EUROPEAN RESPIRATORY SOCIETY

ERS INTERNATIONAL CONGRESS 2015

AMSTERDAM netherlands, 26–30 september

CONGRESS GUIDE

ERSCONGRESS.ORG

WELCOME FROM THE ERS PRESIDENT

Professor Elisabeth Bel
ERS PRESIDENT

I am honoured to be hosting the 25th International Congress of the European Respiratory Society in my home city of Amsterdam.

Amsterdam is famous for its international trade and it is fitting that the ERS Congress is held in a city that has reaped the benefits from an international outlook. It is imperative that we, as respiratory professionals, mirror this approach and work together as an international network to achieve our goal of promoting lung health and combating lung diseases.

The scientific and educational programme promises to deliver a wealth of new material from all sections of respiratory health and disease. The Chairs of the Scientific and Education Councils, together with all the ERS officers, work on the programme throughout the year to ensure it delivers the very best results from the latest research, meeting the needs of respiratory professionals in all disciplines.

This year we have taken the landmark decision to provide the congress scientific and educational programme in a digital format only. With the growth in digital platforms over the last ten years, there is no better time to provide our delegates with all the materials and tools needed in a digital format. Instead of a printed copy, the programme will be available on the Congress website where users can easily browse all the sessions, build their own personal itinerary, and download and print abstracts of interest. All these features will also be available on the Congress App, which is free to download and will be available from August. In addition, this is a further step forward in our 20-point plan to ensure that we are being eco-friendly in as many areas as possible.

The success of our society depends on our dedicated and loyal members, and to those of you who join us for our Congress each year. I'd like to extend a warm welcome to all the new members who have joined us this year, as we have seen our numbers rise due to our new membership strategy with national and international societies. I look forward to seeing you all in Amsterdam, for our 25th Congress, which looks set to be one of the biggest events in the respiratory calendar.

WELCOME FROM THE CONGRESS CHAIRS

Christian Taube
CONGRESS CO-CHAIR

Pieter Hiemstra
CONGRESS CHAIR

We are delighted to welcome you to Amsterdam for the prestigious ERS International Congress.

Amsterdam is the perfect location to host the 25th ERS Congress. Alongside the stimulating and ground-breaking science set to be delivered in the Congress programme, the vibrant atmosphere of this historic city centre is sure to capture your imagination.

The Netherlands has produced some of the key inventions in the medical field, with Dutch medical professionals producing the first diagnostic electrocardiogram in 1901 and the first kidney dialysis machine in 1943.

A physician-scientist and former mayor of the city of Amsterdam, Nicolaes Tulp, was also one of the first to report the link between smoking and adverse effects on the lungs in 1641. Tulp is best known for being the subject of a Rembrandt painting, The Anatomy Lesson of Dr Nicolaes Tulp (1632).

At this time, in the 1600s, Amsterdam was a great metropolis and seen as a site of global trade and scientific innovation. The Dutch Golden Age was characterised by a climate of intellectual tolerance. This allowed for greater scientific exploration than in some other European countries, where novel scientific ideas were often met with suspicion. This quickly led to the Netherlands, and Amsterdam in particular, becoming Europe's publishing centre, which quickly attracted scientists and leading thinkers.

In 2015, Amsterdam will once more be attracting the brightest minds, as international leaders in the respiratory field descend on our city for the ERS International Congress. The hottest scientific discoveries, alongside the latest clinical science, will be on offer for respiratory professionals from all disciplines.

We have a range of interesting sessions in store for you. The first Russia Day will be held in Amsterdam, following on from the successes of Spanish and China Day at the last ERS International Congress. There will also be further integration of high-quality science into the programme, an array of educational sessions and the drawing in of wider disciplines from outside the respiratory field, for example, regenerative medicine, ageing and the environment. We will also launch the next Healthy Lungs for Life campaign to ensure we are reaching all stakeholders in respiratory medicine.

We look forward to seeing you at the Congress, when we will continue the Amsterdam spirit of innovation and push the boundaries of respiratory medicine.

ERS-CTS China Day

Saturday 26 September, 2015

Room: Forum 09:00–17:00

GAIN NEW SCIENTIFIC KNOWLEDGE IN *your own language* FROM DEDICATED SESSIONS IN CHINESE.

Aims

Leading specialists from China will share the stage with the ERS leadership to discuss key issues in respiratory medicine, providing the opportunity to hear about the latest scientific developments in Chinese.

Headsets and translated slides will be used to provide translations of the full session. There will be opportunities for questions and discussion after the presentations.

Target audience

The session is aimed at specialists in respiratory medicine from China. There will be simultaneous translation from English to Mandarin and slides will be shown with Chinese text.

09:00–13:00 "Advances in pulmonology" I

Advances in airway disease diagnosis and management

09:00 Tobacco control: the most feasible and challenging way for disease prevention in China
Chen Wang (Beijing, China)

09:30 Asthma-COPD overlap syndrome?
Elisabeth H.D. Bel (Amsterdam, Netherlands)

10:00 Small airway disorders in COPD
Nanshan Zhong (Guangzhou, China)

10:30 Coffee break

11:00 COPD and comorbidity: common pathways of accelerated ageing
Peter J. Barnes (London, United Kingdom)

11:30 Asthma in China: current and future challenges
Shen Huahao (Hangzhou, China)

12:00 Advances in COPD management
Jørgen Vestbo (Manchester, United Kingdom)

12:30 Current situation of paediatric asthma diagnosis and treatment in China
Shen Kunling (Beijing, China)

13:00 Lunch

14:00–17:00 "Advances in pulmonology" II

Advances in lung infection, parenchymal disease diagnosis and lung cancer

14:00 Drug-resistant tuberculosis in Europe
Giovanni Battista Migliori (Varese, Italy)

14:30 Clinical features and management of human infections by avian influenza
Bin Cao (Beijing, China)

15:00 Tea break

15:30 New treatments for pulmonary fibrosis
Ulrich Costabel (Essen, Germany)

16:00 Early diagnosis strategy of lung cancer in China
Chunxue Bai (Shanghai, China)

16:30 Roundtable discussion and closing remarks

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CTS

ERS-RRS Russia Day

Saturday 26 September, 2015

Room: 13.1 09:30–17:00

GAIN NEW SCIENTIFIC KNOWLEDGE IN *your own language* FROM DEDICATED SESSIONS IN RUSSIAN.

Aims

Leading specialists from Russia will share the stage with the ERS leadership to discuss key issues in respiratory medicine, providing the opportunity to hear about the latest scientific developments in Russian.

This meeting is designed to update respiratory professionals on the latest developments in the respiratory field. Headsets and translated slides will be used to provide translations of the full session. There will be opportunities for questions and discussion after the presentations.

Target audience

The session is aimed at specialists in respiratory medicine from Russia. There will be simultaneous translation from English to Russian and slides will be shown with Russian text.

09:30–11:15
Community-acquired pneumonia in adults

09:30 Epidemiology of community-acquired pneumonia
10:00 CAP management algorithm
10:30 Panel discussion
11:00 Coffee break

11:15–12:45
Community-acquired pneumonia in children

11:15 Scientific and practical program "CAP in children" (clinical recommendations for Russia and CIS countries)
11:45 Pneumonia and smoking in children
12:15 Panel discussion
12:45 Lunch break

13:45–15:30
COPD, asthma, and infection

13:45 COPD from phenotypes to personalised therapy
14:10 Infection and asthma
14:30 Difficult asthma
14:55 Panel discussion
15:15 Coffee break

15:30–17:00
Tuberculosis in the Russian Federation: achievements and challenges

15:30 TB in Russia today and the adapted national anti-TB strategy
16:00 International collaboration on TB problems: the European community and Russia - past and future
16:30 Panel discussion and closing remarks

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ERS-ALAT-SBPT-SEPAR-SPP
Spanish and Portuguese Day

Sunday 27 September, 2015 at the ERS International Congress
Amsterdam, Netherlands Room: Auditorium 08:30–16:45

GAIN NEW SCIENTIFIC KNOWLEDGE IN *your own language*
FROM DEDICATED SESSIONS IN SPANISH AND PORTUGUESE.

Aims

Leading specialists from Spanish and Portuguese speaking countries will share the stage with the ERS leadership to discuss key issues in respiratory medicine, providing the opportunity to hear about the latest scientific developments in Spanish and Portuguese.

This meeting is designed to update respiratory professionals on the latest developments in the respiratory field. Headsets and translated slides will be used to provide translations of the full session. There will be opportunities for questions and discussion after the presentations.

Target audience

The session is aimed at specialists in respiratory medicine from Spanish and Portuguese speaking countries. There will be simultaneous translation from English to Spanish and Portuguese and slides will be shown with Spanish and Portuguese text.

08:30–12:45
Exercise and other behavioral life styles for good lung health worldwide Healthy Lungs For Life

ALAT/ERS/SEPAR/SBPT/SPP International societies symposium

08:30 Exercise training in COPD
09:00 Home-rehabilitation: is it effective?
09:30 Impact of COPD and its comorbidities on exercise capacity
10:00 Can exercise change the evolution of respiratory disease?
10:30 Break
10:45 New models in home-respiratory care
11:15 Asthma-COPD overlap syndrome: more than just two diseases in the same patient
11:45 Schistosomiasis as the main cause of pulmonary hypertension
12:15 Why are the ALAT COPD guidelines 2014 different?

12:45–14:30
Poster session and Keynote Lecture Healthy Lungs For Life

ALAT/ERS/SEPAR/SBPT/SPP International societies symposium

12:45 Poster viewing and discussion (light snack and coffee will be available)
13:45 **Introduction** by Prof. Dr E. Bel
13:50 **Keynote Lecture «Cardiopulmonary research and medicine: translational bridges»** by Prof. Dr Valentin Fuster
14:25 Closure remarks

14:45–16:45
Spanish/Portuguese Day: Tobacco control policies: preventing interference from the tobacco-industry

14:45 Exposing tobacco industry interference in policy-making: the role of research and ERS
15:15 Tobacco control policies in Latin America
15:45 Tobacco control policies in Portugal
16:15 Tobacco control policies in Spain

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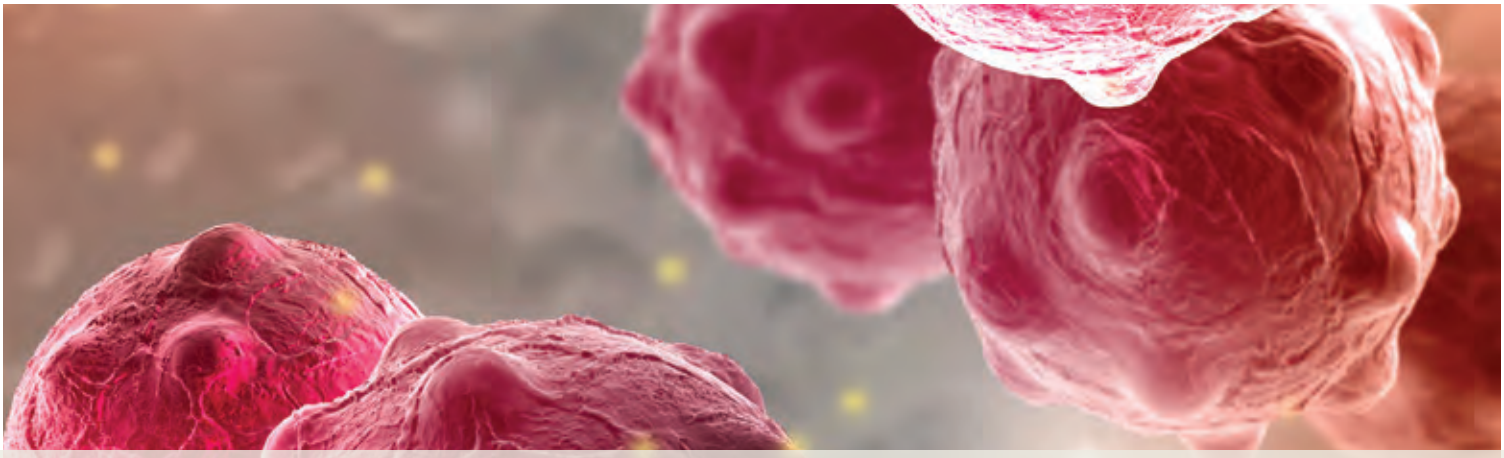
ALAT Asociación Latinoamericana de Tórax Associação Latino-americana do Tórax
Sociedade Brasileira de Pneumologia e Tisiologia · 1937 ·
Sociedad Española de Neumología y Cirugía Torácica SEPAR
SPP Sociedade Portuguesa de Pneumologia



ERS Oncology Day

Tuesday 29 September, 2015
07:00–19:00

JOIN US FOR *the first-ever Oncology Tuesday* AT THE ERS INTERNATIONAL CONGRESS.

The day will focus on the field of lung cancer, covering science through to practical skills. It will also include hands-on skills training from leading specialists.

07:00–08:15
- Industry Early Morning Symposium. Multidisciplinary approaches in the personalized care of the ALK + NSCLC patient

Organised by Novartis Pharma AG

07:00– 08:15
- Challenging clinical cases. CC6 Multidisciplinary team discussion in thoracic oncology

08:30–10:30
- Symposium. NSCLC: sequence, timing, and modality of multi-line therapies

08:30 –10:30
- Symposium. Lung cancer screening: how to implement a comprehensive preventive approach

08:30–10:30
- Live pulmonary endoscopy. Lung cancer

10:45–12:45
- Symposium. Resistance to therapy in lung cancer

Oncology Tuesday will take you through the latest developments in the field and include practical training sessions including a live endoscopy session.

12:50–14:40
Thematic Poster Sessions
- Cell biology of lung cancer and new biomarkers
- Diagnosis and therapy of lung cancer
- Quality management in lung cancer
- Lung cancer: prognostic factors and features of oncogene-driven tumours
- Thoracic oncology around the world: rare cases and local features
- Malignant pleural effusions and mesothelioma
- Mediastinal tumors, malignant pleural mesothelioma and other rare tumors

14:45–16:45
- Symposium. Stop immune tolerance in lung cancer!

17:30–19:00
- Industry Evening Mini Symposium. OncologyTreatment of advanced NSCLC: Evidence, insights and understanding

Organised by Boehringer Ingelheim International GmbH

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ERS LIVE PULMONARY ENDOSCOPY

Tuesday 29 September, 2015
08:30–16:45 Room: Auditorium

ABOUT THE LIVE ENDOSCOPY

Interventions in pulmonary medicine (thoracentesis, bronchoscopy, advanced techniques) are important for both diagnostic and treatment purposes for a wide variety of pulmonary diseases. Various methods are available to transfer knowledge of procedural skills such as text books, DVDs, and hands-on workshops. However, witnessing a real-time demonstration of a common clinical case by an expert, with the help of audio-visual technologies, is a valuable tool in education and training.

Target Audience:
General pulmonologists and residents

Sessions:
08.35-10.30: Lung Cancer
10.45-12.45: Interstitial lung and pleural diseases
13.00-14.30: Emphysema and asthma
14.45-16.45: Transthoracic ultrasound

Organisers:
Prof. Dr J.T. Annema is responsible for the live endoscopy programme and is in charge of the Academic Medical Center (AMC) Amsterdam site

Dr D. Slebos is in charge of the University Medical Center (UMCG) Groningen site

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NEW E-PROGRAMME AREA

If you wish to access the congress programme at any time, please visit our new e-programme areas

SEARCH THE PROGRAMME

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ACCESS THE FLOOR PLAN

SEARCH FOR CITY AND CONGRESS INFORMATION

The ERS Congress Final Programme APP is available as a free download for iPhone, iPad and iPod Touch (iOS 7.0 and higher) and Android phones and tablets (4.0 and higher).

NEW FOR 2015
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PROGRAMME

This information was up-to-date on 09 September 2015.

Download the ERS International Congress app, or visit the online programme at www.erscongress.org to get an accurate programme, including any last-minute changes after this date.

Room L001 Session 1 08:00 - 10:20

Registration for this workshop is additional to the congress registration fee and is €85.

Educational skills workshop: EW1 Inhaler techniques - train the trainer (ú85)

Aims : To provide participants with the knowledge, skills and tools needed to demonstrate the use of inhalation devices and to coach and teach patients effectively.
Workstation 1: Overview of the different types of models and how they function.
Workstation 2: This workstation will provide participants with the skills and knowledge needed to guide and train a patient to successfully use an inhaler.
Workstation 3: An overview on how inhalers perform in real life scenarios will be given. The preferences and views of patients regarding which inhalers are most practical to use will be discussed.
Workstation 4: This workstation will teach participants how to successfully administer medication and how to avoid common mistakes.

Track(s) : Physiology

Tag(s) : Clinical

Target audience : Nurses, technologists, clinicians, fellows, physiologists and pharmacists.

Chairs : Daniel Schuermans (Brussels, Belgium)

Introduction	**1**
Workstation 1: Inhalation devices Eric Derom (Gent, Belgium)	**2**
Workstation 2: How to train a patient Job van der Palen (Enschede, Netherlands)	**3**
Workstation 3: Inhaler techniques Marit Leine (Rßyse, Norway), Betty Frankemoelle (Heemskerk, Netherlands)	**4**
Workstation 4: Medication Frans H.C. de Jongh (Enschede, Netherlands)	**5**

Room L002 Session 2 08:00 - 10:20

Registration for this workshop is additional to the congress registration fee and is €85.

Educational skills workshop: EW2 Research bronchoscopies (ú85)

Aims : Bronchoscopy is widely used for sampling biological material used for research tools. This workshop will provide practical skills for clinical and research purposes. Previous experience in this field is not required.

Workstation 1: The indications and procedures that are useful for starting up a protocol that involves research bronchoscopies will be identified. The following will also be discussed: how to select the participating individuals (patients and control subjects); issues around obtaining informed consent; safety procedures; and technical issues that should be considered when obtaining bronchoscopic samples such as bronchoalveolar lavage (BAL) and bronchial biopsies.
Workstation 2: The steps involved in processing BAL samples will be discussed, including BAL collection, the preparation of cytological smears, and preparation for further analyses of the cells and solutes contained in the BAL.
Workstation 3: The steps in bronchial tissue collection and preparation will be demonstrated along with the processing procedures used to fix and embed tissue, and then cut and stain the tissue blocks. Immunohistochemical applications and evaluation of tissue immunostaining will also be presented and discussed.
Workstation 4: Participants will be briefed on the different cytological and histological patterns of bronchoscopic samples. A practical approach towards categorising samples and quantifying inflammatory cells and biomarkers, and how to use the results for clinical and research purposes, will be illustrated.

Target audience : Allergologists, allied health professionals, clinicians, fellows, immunologists, junior members, nurses, paediatricians, pathologists, patients, pharmaceutical industry representatives, pulmonologists, researchers, residents, respiratory physicians, scientists, students and thoracic endoscopists.

Chairs : Guy F Joos (Gent, Belgium)

Introduction	**6**
Workstation 1: How to perform research bronchoscopy Fabio L. M. Ricciardolo (Orbassano (Turin), Italy)	**7**
Workstation 2: How to process bronchoalveolar lavage (BAL) Pascal Chanez (Marseille, France)	**8**
Workstation 3: Preparation and processing of bronchial biopsies Antonino Di Stefano (Veruno, Italy)	**9**

Workstation 4: Microscopical examination of BAL and bronchial biopsies
Thais Mauad (Sao Paulo, Brazil) **10**

Room L001 Session 17 10:40 - 13:00

Registration for this workshop is additional to the congress registration fee and is €85.

Educational skills workshop: EW3 Inhaler techniques - train the trainer (ú85)

Aims : To provide participants with the knowledge, skills and tools needed to demonstrate the use of inhalation devices and to coach and teach patients effectively.
To provide participants with the knowledge, skills and tools needed to demonstrate the use of inhalation devices and to coach and teach patients effectively.
Workstation 1: Overview of the different types of models and how they function.
Workstation 2: This workstation will provide participants with the skills and knowledge needed to guide and train a patient to successfully use an inhaler.
Workstation 3: An overview on how inhalers perform in real life scenarios will be given. The preferences and views of patients regarding which inhalers are most practical to use will be discussed.
Workstation 4: This workstation will teach participants how to successfully administer medication and how to avoid common mistakes.

Track(s) : Physiology

Tag(s) : Clinical

Target audience : Nurses, technologists, clinicians, fellows, physiologists and pharmacists.

Chairs : Marit Leine (Rßyse, Norway)

Introduction **113**

Workstation 1: Inhalation devices
Daniel Schuermans (Brussels, Belgium) **114**

Workstation 2: How to train a patient
Georgia Narsavage (Morgantown, United States of America) **115**

Workstation 3: Inhaler techniques
Titia Klemmeier-Boekhout (Bedum, Netherlands), Elly Janssen (Nijmegen, Netherlands) **116**

Workstation 4: Medication
Mike Thomas (Southampton, United Kingdom) **117**

Room L002 Session 18 10:40 - 13:00

Registration for this workshop is additional to the congress registration fee and is €85.

Educational skills workshop: EW4 Research bronchoscopies (ú85)

Aims : Bronchoscopy is widely used for sampling biological material used for research tools. This workshop will provide practical skills for clinical and research purposes. Previous experience in this field is not required.

Workstation 1: The indications and procedures that are useful for starting up a protocol that involves research bronchoscopies will be identified. The following will also be discussed: how to select the participating individuals (patients and control subjects); issues around obtaining informed consent; safety procedures; and technical issues that should be considered when obtaining bronchoscopic samples such as bronchoalveolar lavage (BAL) and bronchial biopsies.
Workstation 2: The steps involved in processing BAL samples will be discussed, including BAL collection, the preparation of cytological smears, and preparation for further analyses of the cells and solutes contained in the BAL.
Workstation 3: The steps in bronchial tissue collection and preparation will be demonstrated along with the processing procedures used to fix and embed tissue, and then cut and stain the tissue blocks. Immunohistochemical applications and evaluation of tissue immunostaining will also be presented and discussed.
Workstation 4: Participants will be briefed on the different cytological and histological patterns of bronchoscopic samples. A practical approach towards categorising samples and quantifying inflammatory cells and biomarkers, and how to use the results for clinical and research purposes, will be illustrated.

Target audience : Allergologists, allied health professionals, clinicians, fellows, immunologists, junior members, nurses, paediatricians, pathologists, patients, pharmaceutical industry representatives, pulmonologists, researchers, residents, respiratory physicians, scientists, students and thoracic endoscopists.

Chairs : Guy F Joos (Gent, Belgium)

Introduction **118**

Workstation 1: How to perform research bronchoscopy
Adam Barczyk (Katowice, Poland) **119**

Workstation 2: How to process bronchoalveolar lavage (BAL) Rene Lutter (Amsterdam, Netherlands)	**120**
Workstation 3: Preparation and processing of bronchial biopsies Susan Jane Wilson (Southampton, United Kingdom)	**121**
Workstation 4: Microscopical examination of BAL and bronchial biopsies Jon Ward (Southampton, United Kingdom)	**122**

Room L001 Session 32 14:30 - 16:50

Registration for this workshop is additional to the congress registration fee and is €85.

Educational skills workshop: EW5 Inhaler techniques - train the trainer (€85)

Aims : To provide participants with the knowledge, skills and tools needed to demonstrate the use of inhalation devices and to coach and teach patients effectively.
To provide participants with the knowledge, skills and tools needed to demonstrate the use of inhalation devices and to coach and teach patients effectively.
Workstation 1: Overview of the different types of models and how they function.
Workstation 2: This workstation will provide participants with the skills and knowledge needed to guide and train a patient to successfully use an inhaler.
Workstation 3: An overview on how inhalers perform in real life scenarios will be given. The preferences and views of patients regarding which inhalers are most practical to use will be discussed.
Workstation 4: This workstation will teach participants how to successfully administer medication and how to avoid common mistakes.

Track(s) : Physiology

Tag(s) : Clinical

Target audience : Nurses, technologists, clinicians, fellows, physiologists and pharmacists.

Chairs : Daniel Schuermans (Brussels, Belgium)

Introduction	**184**
Workstation 1: Inhalation devices Eric Derom (Gent, Belgium)	**185**
Workstation 2: How to train a patient Job van der Palen (Enschede, Netherlands)	**186**
Workstation 3: Inhaler techniques Marit Leine (Røyse, Norway), Marko Sturm (Hengelo, Netherlands)	**187**
Workstation 4: Medication Frans H.C. de Jongh (Enschede, Netherlands)	**188**

Room L002 Session 33 14:30 - 16:50

Registration for this workshop is additional to the congress registration fee and is €85.

Educational skills workshop: EW6 Research bronchoscopies (€85)

Aims : Bronchoscopy is widely used for sampling biological material used for research tools. This workshop will provide practical skills for clinical and research purposes. Previous experience in this field is not required.

Workstation 1: The indications and procedures that are useful for starting up a protocol that involves research bronchoscopies will be identified. The following will also be discussed: how to select the participating individuals (patients and control subjects); issues around obtaining informed consent; safety procedures; and technical issues that should be considered when obtaining bronchoscopic samples such as bronchoalveolar lavage (BAL) and bronchial biopsies.
Workstation 2: The steps involved in processing BAL samples will be discussed, including BAL collection, the preparation of cytological smears, and preparation for further analyses of the cells and solutes contained in the BAL.
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Workstation 4: Participants will be briefed on the different cytological and histological patterns of bronchoscopic samples. A practical approach towards categorising samples and quantifying inflammatory cells and biomarkers, and how to use the results for clinical and research purposes, will be illustrated.

Target audience : Allergologists, allied health professionals, clinicians, fellows, immunologists, junior members, nurses, paediatricians, pathologists, patients, pharmaceutical industry representatives, pulmonologists, researchers, residents, respiratory physicians, scientists, students and thoracic endoscopists.

Chairs : Bruno Balbi (Veruno, Italy)

Introduction	**189**

	Workstation 1: How to perform research bronchoscopy Fabio L. M. Ricciardolo (Orbassano (Turin), Italy)	**190**
	Workstation 2: How to process bronchoalveolar lavage (BAL) Pascal Chanez (Marseille, France)	**191**
	Workstation 3: Preparation and processing of bronchial biopsies Antonino Di Stefano (Veruno, Italy)	**192**
	Workstation 4: Microscopical examination of BAL and bronchial biopsies Thais Mauad (Sao Paulo, Brazil)	**193**

Room G104-105 Session 4 09:00 - 17:15

This course is fully booked. Please contact ers2015registration@kit-group.org to be added to the waiting list.

Postgraduate course: PG1 Spirometry – train the trainer (fully booked)

HERMES Spirometry training programme

Aims : To provide participants with the knowledge and tools to teach high quality spirometry and to provide the necessary training for those who would like to train and certify participants for the European Spirometry Driving Licence Part 1 and Part 2 within Europe.

Track(s) : Physiology

Tag(s) : Clinical

Target audience : All those interested in learning how to train others in spirometry, including pulmonologists, respiratory therapists, respiratory physicians, general practitioners, nurses, and lung function technologists/scientists. The ERS Spirometry train-the-trainer programme is also aimed at those who would like to become directors or instructors of the European Spirometry Driving License training.

Chairs : Irene Steenbruggen (Zwolle, Netherlands), Brendan Cooper (Birmingham, United Kingdom)

09:00	**Welcome and introduction to the course** Odile Van Eck (Waalre, Netherlands)	**20**
09:40	**Overview of the European Spirometry Driving License training programmes** Brendan Cooper (Birmingham, United Kingdom), Irene Steenbruggen (Zwolle, Netherlands)	**21**
10:10	**Principles of teaching and learning** Walther N. K. A. van Mook (Maastricht, Netherlands)	**22**
10:50	**Break**	**23**
11:10	**European Spirometry Driving Licence specific teaching and training** Julie Lloyd (Birmingham, United Kingdom)	**24**
11:40	**Practical session on presentation and facilitation skills** Vera Habes (Ultrecht, Netherlands), Odile Van Eck (Waalre, Netherlands)	**25**
12:10	**Presentation from participants**	**26**
12:50	**Lunch**	**27**
13:50	**Providing effective feedback** Walther N. K. A. van Mook (Maastricht, Netherlands)	**28**
14:30	**Discussion and feedback practical session** Vera Habes (Ultrecht, Netherlands), Odile Van Eck (Waalre, Netherlands)	**29**
15:10	**Break**	**30**
15:40	**Principles of assessment** Walther N. K. A. van Mook (Maastricht, Netherlands)	**31**
16:10	**Assessment of the European Spirometry Driving Licence programme** Julie Lloyd (Birmingham, United Kingdom)	**32**
16:50	**Organising a European spirometry training programme** Felip Burgos (Barcelona, Spain)	**33**
17:05	**Evaluation**	**34**

Room 5.1 Session 6 09:30 - 17:30

This course is fully booked. Please contact ers2015registration@kit-group.org to be added to the waiting list.

Postgraduate course: PG2 Asthma and COPD (fully booked)

Updates in assessment and treatment

Aims : To discuss the problems associated with obstructive lung diseases on the basis of experience and the published literature.

Tag(s) : Translational

Target audience : Paediatric and adult pulmonologists, epidemiologists, health professionals, public health physicians, and scientists interested in the aetiology and prevention of lung disease.

Chairs : Ian Douglas Pavord (Oxford, United Kingdom), Marielle Pijnenburg (Rotterdam, Netherlands)

09:30	**The burden of obstructive lung diseases** Anne Lindberg (Boden, Sweden)	**40**
10:15	**Monitoring asthma – state-of-the-art physiological, imaging, and biomarker assessments** Omar Usmani (London, United Kingdom)	**41**
11:00	**Break**	**42**
11:30	**Monitoring COPD – state-of-the-art physiological, imaging, and biomarker assessments** Roland Buhl (Mainz, Germany)	**43**
12:15	**Asthma exacerbations in children: the paediatrician's view** Bart Rottier (Groningen, Netherlands)	**44**
13:00	**Lunch**	**45**
14:00	**Asthma phenotypes** Sally Wenzel (Pittsburgh, United States of America)	**46**
14:45	**COPD phenotypes** Christopher E. Brightling (Leicester, United Kingdom)	**47**
15:30	**Break**	**48**
16:00	**Exacerbations of obstructive lung disease** Norbert Krug (Hannover, Germany)	**49**
16:45	**The future: treating specific endotypes** Peter J. Barnes (London, United Kingdom)	**50**

Room G106-107 Session 10 09:30 - 17:30

Registration for this course is additional to the congress registration fee and is €180.

Postgraduate course: PG3 Cardiorespiratory monitoring in critically ill patients (€180)

Physiological principles of monitoring. Linked to the educational skills workshops EW7, EW9 and EW11.

Aims : To analyse the fundamental concepts of monitoring, such as accuracy, precision, signal-to-noise ratio, and possible sources of error; to promote understanding of the underlying physiological principles of each monitoring system; and to apply these concepts to clinical situations in simulated scenarios.

Track(s) : Intensive care

Tag(s) : Clinical

Target audience : Consultant physicians in the pulmonary, critical care and anaesthesiology fields, residents in training, medical students, nurses, and respiratory therapists.

Chairs : Antonio Artigas (Sabadell (Barcelona), Spain), David A. Kaufman (Charlottesville, United States of America)

09:30	**Introduction to monitoring** Amal Jubran (Hines, United States of America)	**68**
10:05	**Monitoring gas exchange** David A. Kaufman (Charlottesville, United States of America)	**69**
10:40	**Respiratory mechanics 1: physiological bases of monitoring airway pressures during mechanical ventilation** Laurent Brochard (Toronto, Canada)	**70**
11:15	**Break**	**71**

11:45	**Respiratory mechanics 2: oesophageal manometry and interactions between the patient and the ventilator** Paolo Pelosi (Milan, Italy)	**72**
12:20	**Patient-ventilator asynchrony: diagnosis and treatment** Lluís Blanch (Sabadell, Spain)	**73**
12:55	**Lunch**	**74**
13:55	**Monitoring during non-invasive positive pressure ventilation** Raffaele Scala (Arezzo, Italy)	**75**
14:30	**Physiological basis of monitoring with central venous and pulmonary artery catheters and their clinical use** Antonio Artigas (Sabadell (Barcelona), Spain)	**76**
15:05	**Cardiopulmonary interactions: functional haemodynamic monitoring** Jean-Louis Teboul (Le Kremlin-Bicêtre, France)	**77**
15:40	**Break**	**78**
16:10	**Cardiovascular monitoring during resuscitation: between physiology and pragmatism** Daniel De Backer (Braine-l'Alleud, Belgium)	**79**
16:45	**How to use monitoring data to make wise clinical decisions** Martin J. Tobin (Hines, United States of America)	**80**

Room 5.2 Session 5 09:30 - 13:00

Registration for this course is additional to the congress registration fee and is €120.

Postgraduate course: PG4 Multidisciplinary approach to noninvasive ventilation (€120)

Aims : To indicate the NIV treatment options in various clinical settings. These treatments will be discussed in the context of the perspectives of the clinical subspecialists and nurses who are involved in treating patients with NIV.

Track(s) : Intensive care Sleep Paediatric

Tag(s) : Clinical

Target audience : Adult and paediatric pulmonologists, somnologists, respiratory care specialists, adult and paediatric intensive care specialists, nurses, respiratory therapists, fellows, and residents.

Chairs : Paolo Navalesi (Vercelli, Italy), Cesare Gregoretti (Turin, Italy)

09:30	**Sleep studies for assessing abnormal events during NIV** Jesus Gonzalez (Montlignon, France)	**35**
10:15	**NIV in the ICU: when to start and when to end** Stefano Nava (Bologna, Italy)	**36**
11:00	**Break**	**37**
11:30	**NIV in the paediatric patient with acute respiratory insufficiency** Paola Papoff (Rome, Italy)	**38**
12:15	**The importance of staff training in NIV** Alanna Hare (London, United Kingdom)	**39**

Room D203-204 Session 11 09:30 - 13:00

Registration for this course is additional to the congress registration fee and is €120.

Postgraduate course: PG5 Treatment of emphysema (€120)

Pharmacological and non-pharmacological options for hyperinflated lungs

Aims : Hyperinflation and emphysema are COPD phenotypes that require special attention. The available treatment modalities will be presented and the possible algorithms will be discussed.

Tag(s) : Clinical

Target audience : Pulmonologists, thoracic surgeons, respiratory therapists, respiratory physicians, clinical researchers, radiologists, fellows, and residents.

Chairs : Pallav L Shah (London, United Kingdom), Lowie Vanfleteren (Horn, Netherlands)

09:30	**The burden of emphysema** Klaus Friedrich Rabe (Grosshansdorf, Germany)	**81**
10:15	**Hyperinflation and exercise – how to implement physical activity** Thierry Troosters (Leuven, Belgium)	**82**
11:00	**Break**	**83**
11:30	**Single, double, or triple inhalers: the value of the drugs** Peter M.A. Calverley (Liverpool, United Kingdom)	**84**
12:15	**Toys or tools – the role of interventional procedures** Felix J.F. Herth (Heidelberg, Germany)	**85**

Room E103 Session 15 09:30 - 13:00

Registration for this course is additional to the congress registration fee and is €120.

Postgraduate course: PG6 Cell-matrix dynamics in lung injury and repair (€120)

Focusing on epithelial cells, immune cells, and interstitial cells

Aims : To review the cell-matrix interactions that occur in response to chronic injury and during repair and lung tissues remodelling, with a specific focus on the interactions that involve epithelial, immune and interstitial cells. These interactions play crucial roles in the outcome of different types of lung tissue injuries.

Tag(s) : Basic

Target audience : Pulmonologists, respiratory physicians, respiratory therapists, clinical and basic researchers, thoracic surgeons, pulmonary oncologists, radiologists, pathologists, and trainees.

Chairs : Silke Meiners (Munich, Germany), Christian M. Kaehler (Innsbruck, Austria)

09:30	**Introduction** Silke Meiners (Munich, Germany), Christian M. Kaehler (Innsbruck, Austria)	**101**
09:35	**Role of epithelial cells** Melanie Koenigshoff (Munich, Germany)	**102**
10:15	**Role of immune cells** Joanna Domagala-Kulawik (Warsaw, Poland)	**103**
10:55	**Break**	**104**
11:30	**Role of fibroblasts** Martin Kolb (Hamilton, Canada)	**105**
12:10	**Role of the matrix** Eric White (Ann Arbor, United States of America)	**106**
12:50	**A global viewpoint** Silke Meiners (Munich, Germany), Christian M. Kaehler (Innsbruck, Austria)	**107**

Room E104-106 Session 9 09:30 - 13:00

Registration for this course is additional to the congress registration fee and is €120.

Postgraduate course: PG7 Basic respiratory mechanics (€120)

Models, measurements, and uses in clinical practice

Aims : The mechanics of breathing is best described in terms of airways resistance and lung compliance. However, these measurements are not readily available in clinical practice and instead clinicians must focus on the indirect information available from spirometry. The great advantage of spirometry is its known immediate reproducibility and limited between-test variation in both healthy and diseased settings. These properties, coupled with its extensive use in clinical decision making, ensure that spirometry will be used to manage respiratory disease for the foreseeable future. One particular advantage of spirometry is the availability of age- and height-related normal values against which any recording can be judged. This PG course on basic respiratory mechanics will help clinicians to better understand and interpret lung function test results.

Track(s) : Physiology

Tag(s) : Basic

Target audience : Pulmonologists, respiratory therapists, respiratory physicians, clinical researchers, general practitioners, research fellows, nurses, and trainees.

Chairs : Michael Polkey (London, United Kingdom), Samuel Verges (Grenoble, France)

09:30	**Modelling respiratory mechanics: a multi-scale approach** Jason H.T. Bates (Burlington, United States of America)	**63**
10:15	**Measuring respiratory mechanics: invasive and noninvasive systems** Andrea Aliverti (Milan, Italy)	**64**
11:00	**Break**	**65**
11:30	**Using respiratory mechanics to explain and interpret spirometry** John Gibson (Newcastle upon Tyne, United Kingdom)	**66**
12:15	**Using respiratory mechanics to study exercise limitation in disease** Lee Romer (Uxbridge, United Kingdom)	**67**

Room D201-202 Session 14 09:30 - 13:00

Registration for this course is additional to the congress registration fee and is €120.

Postgraduate course: PG8 Airway and lung fibrosis (€120)

How epigenetic changes affect fibroblasts and novel therapeutic approaches

Aims : To describe the key challenges and features of lung fibrosis; to discuss how epigenetic changes such as miRNAs can affect fibroblast development and function; to compare the progress made in understanding lung fibrosis to the advances made in elucidating the role of fibrosis in liver disease; and to demonstrate how these advances in science will lead to the development of novel therapeutic approaches.

Tag(s) : Translational

Target audience : Pulmonologists, emergency medicine doctors, respiratory physicians, clinical researchers, general practitioners, research fellows, basic scientists, intensivists, nurses, pathologists, and trainees.

Chairs : Bruno Balbi (Veruno, Italy), Charles Pilette (Brussels, Belgium)

09:30	**Pulmonary fibrosis: key features and challenges** Elisabetta Renzoni (London, United Kingdom)	**96**
10:15	**MicroRNAs in the pathogenesis of pulmonary fibrosis** Ivana V. Yang (Denver, United States of America)	**97**
11:00	**Break**	**98**
11:30	**Resolution of liver fibrosis** Frank Tacke (Aachen, Germany), Speaker to be confirmed	**99**
12:15	**Future clinical perspectives** Oliver Eickelberg (Munich, Germany)	**100**

Room E102 Session 13 09:30 - 13:00

Registration for this course is additional to the congress registration fee and is €120.

Postgraduate course: PG9 Lower respiratory tract infection in children (€120)

Evaluation and management

Aims : To show how to diagnose and manage common and uncommon lower respiratory tract infections in children.

Track(s) : Paediatric Infection

Tag(s) : Translational

Target audience : Pulmonologists, respiratory therapists, respiratory physicians, clinical researchers, research fellows, and intensivists.

Chairs : Jonathan Grigg (London, United Kingdom), Ernst Eber (Graz, Austria)

09:30	**Evaluation of the child with recurrent chest infections** Mark Everard (Perth, Australia)	**91**
10:15	**Management and prevention of non-cystic fibrosis bronchiectasis** Alexander Möller (Zurich, Switzerland)	**92**
11:00	**Break**	**93**
11:30	**Acute bronchiolitis – prevention, diagnosis, and new approaches to management** Fabio Midulla (Rome, Italy)	**94**
12:15	**Uncommon lower respiratory infections in childhood** Paul Aurora (London, United Kingdom), Speaker to be confirmed	**95**

Room 13.2 Session 12 09:30 - 13:00

Registration for this course is additional to the congress registration fee and is €120.

Postgraduate course: PG10 Malignant pleural effusion management (€120)

From standard cytopathology to molecular biology

Aims : To understand the new roles that molecular biology and histo-/cytopathology play in the diagnosis and management (treatment and prognosis) of malignant pleural effusions, and how to use these techniques (processing and data interpretation) in clinical practice.

Track(s) : Oncology

Tag(s) : Clinical

Target audience : Trainees, pulmonary physicians, thoracic surgeons, pathologists, molecular biologists, and scientists.

Chairs : Philippe Astoul (Marseille, France), Marcin Skrzypski (Sopot, Poland)

09:30	**Which material in which disease?** Sebastian Fernandez Bussy (Santiago, Chile)	**86**
10:15	**How to send your material to pathology** Philipp A. Schnabel (Homburg/Saar, Germany)	**87**
11:00	**Break**	**88**
11:30	**Interpretation of the results in the clinic** Arnaud Scherpereel (Lille, France)	**89**
12:15	**Atypical mesothelial hyperplasia and other pitfalls in MPE diagnosis** Françoise Galateau-Salle (Caen, France)	**90**

Room G109 Session 16 09:30 - 13:00

Registration for this course is additional to the congress registration fee and is €120.

Postgraduate course: PG11 Emerging infectious diseases and pandemic planning (€120)

PREPARE FP7 EU-funded project

Aims : To provide participants with an essential up-to-the minute guide to handling emerging pandemic threats; to describe the key lessons that should be learnt from the Ebola and influenza epidemics; to detail the role of antivirals; and to provide an update regarding current trials in pandemic management.

Track(s) : Infection

Tag(s) : Clinical

Target audience : Respiratory physicians, intensivists, microbiologists, allied health professionals, scientists, primary care and public health teams, and PREPARE EU project team members.

Chairs : Anita Simonds (London, United Kingdom), Stefano Aliberti (Milan, Italy)

09:30	**Preparedness for emerging pathogens: challenges and needs** Menno de Jong (Amsterdam, Netherlands)	**108**
10:15	**Ebola: challenges for public health – what have we learnt?** Marion Koopmans (Rotterdam, Netherlands)	**109**
11:00	**Break**	**110**
11:30	**Preventing the next influenza pandemic** Albert Osterhaus (Hannover, Germany)	**111**
12:15	**Antiviral therapy – the evidence base and clinical trials** Speaker to be confirmed	**112**

Room G109 Session 31 14:00 - 17:30

Registration for this course is additional to the congress registration fee and is €120.

Postgraduate course: PG12 Surgical treatment of emphysema (€120)

Volume reduction and lung transplantation

Aims : To show how to identify patients with emphysema who may benefit from either volume reduction or transplantation. The pros and cons of both procedures will be discussed.

Tag(s) : Clinical

Target audience : Pulmonologists, thoracic surgeons, and respiratory physiotherapists.

Chairs : Gilbert Massard (Strasbourg, France), Federica Meloni (Pavia, Italy)

14:00	**The role of imaging in patient evaluation** Walter De Wever (Leuven, Belgium)	**179**
14:45	**Candidate selection and outcome after endoscopic volume reduction** Stefano Gasparini (Ancona, AN, Italy)	**180**
15:30	**Break**	**181**
16:00	**Candidate selection and outcome after surgical lung volume reduction (LVR)** Didier Schneiter (Zurich, Switzerland)	**182**
16:45	**Lung transplant indications and outcomes** Jens Gottlieb (Hannover, Germany)	**183**

Room 5.2 Session 23 14:00 - 17:30

Registration for this course is additional to the congress registration fee and is €120.

Postgraduate course: PG13 Monitoring physical activity (€120)

Current practice and future insights

Aims : Physical activity monitors are becoming more sophisticated. This session will provide an updated overview of the current state of the art of physical activity monitoring.

Track(s) : Physiology

Tag(s) : Clinical, Healthy Lungs for Life (HLfL)

Target audience : Allied respiratory professionals, pulmonary rehabilitation specialists, and clinicians.

Chairs : Fabio Pitta (Londrina, Brazil), Judith Garcia Aymerich (Barcelona, Spain)

14:00	**How physical activity blends into the clinical assessment of patients** Elena Gimeno-Santos (Barcelona, Spain)	**138**
14:45	**Technical aspects of physical activity monitoring** Heleen Demeyer (Halle, Belgium)	**139**
15:30	**Break**	**140**
16:00	**Evaluating the success of physical activity monitoring** Henrik Watz (Grosshansdorf, Germany)	**141**
16:45	**How to make interventions more successful in the future** Marilyn Moy (West Roxbury, United States of America)	**142**

Room D201-202 Session 29 14:00 - 17:30

Registration for this course is additional to the congress registration fee and is €120.

Postgraduate course: PG14 Antibiotic stewardship for respiratory infections (€120)

In the era of MDR pathogens

Aims : To review hot topics and unresolved questions in the management of LRTI caused by MDR pathogens and to discuss the current approaches to antibiotic stewardship that are recommended by international guidelines.

Track(s) : Infection

Tag(s) : Translational

Target audience : Pulmonologists, intensivists, emergency medicine doctors, nurses, respiratory physicians, clinical researchers, research fellows, and trainees.

Chairs : George Dimopoulos (Athens, Greece), Mark Andrew Woodhead (Manchester, United Kingdom)

14:00	**MDR pathogens in respiratory diseases** Eva Polverino (Barcelona, Spain)	**169**
14:45	**Inhaled antibiotics: an answer to MDR pathogens?** Jordi Rello (Barcelona, Spain)	**170**
15:30	**Break**	**171**
16:00	**Biomarkers and rapid diagnostics in antibiotic stewardship** Daiana Stolz (Basel, Switzerland)	**172**

16:45	**Effective strategies for designing a stewardship program** Keertan Dheda (Cape Town, South Africa), Speaker to be confirmed	**173**

Room E103 Session 30 14:00 - 17:30

Registration for this course is additional to the congress registration fee and is €120.

Postgraduate course: PG15 Gene-environment interactions in lung disease (€120)

Understanding gene-environment interactions and the different exposures that occur at different stages of life

Aims : To review the gene-environment interactions that underlie lung disease and the effects of different exposures that occur at various stages of development (e.g., the perinatal period, youth, and adulthood). How genetically susceptible high-risk groups can be identified and the possible targeted interventions at each stage of life will also be discussed.

Track(s) : Epidemiology/Environment

Tag(s) : Basic

Target audience : Paediatric and adult pulmonologists, epidemiologists, health professionals, public health physicians, and scientists interested in the aetiology and prevention of lung disease.

Chairs : Carlos Andres Jimenez Ruiz (Madrid, Spain), H. Marike Boezen (Groningen, Netherlands)

14:00	**What are gene-environment interactions and how do they underlie lung disease?** Erik Melén (Stockholm, Sweden)	**174**
14:45	**Prenatal gene-environment interactions and epigenetics in asthma** David A. Schwartz (Denver, United States of America)	**175**
15:30	**Break**	**176**
16:00	**Gene variant-methylation interactions and asthma risk** John Holloway (Southampton, United Kingdom)	**177**
16:45	**Interaction between genes and smoking on lung function: a genome-wide approach** Stephanie London (Research Triangle Park, United States of America)	**178**

Room E102 Session 28 14:00 - 17:30

Registration for this course is additional to the congress registration fee and is €120.

Postgraduate course: PG16 Sleep and disordered breathing (€120)

Update on diagnostic assessment

Aims : The demand for sleep studies in respiratory medicine is increasing, which makes it necessary to use simpler diagnostic methods when possible. The technical aspects of full PSG or simpler studies and their impact on the diagnosis of SDB in adults and children will be discussed.

Track(s) : Sleep

Tag(s) : Clinical

Target audience : Adult and paediatric pulmonologists, clinical researchers, general practitioners, research fellows, nurses, and trainees.

Chairs : Wilfried De Backer (Edegem (Antwerp), Belgium), Maria Bonsignore (Palermo, Italy), Chair to be confirmed

14:00	**The pros and cons of digital systems in sleep data acquisition and the role of sensors** Ramón Farré Ventura (Barcelona, Spain)	**164**
14:45	**Type III devices – scoring strategies in limited systems** Juan Fernando Masa Jiménez (Cáceres, Spain)	**165**
15:30	**Break**	**166**
16:00	**Oximetry: does it play a role in screening for OSA?** Dirk Sommermeyer (Karlsruhe, Germany)	**167**
16:45	**New aspects of investigations in childhood sleep-disordered breathing** Refika Hamutcu Ersu (Istanbul, Turkey)	**168**

Room D203-204 Session 26 14:00 - 17:30

Registration for this course is additional to the congress registration fee and is €120.

Postgraduate course: PG17 Lung fibrosis and sarcoidosis (€120)

Different diagnostic approaches and treatment modalities

Aims : To describe the different diagnostic approaches and treatment modalities in adult and paediatric patients with interstitial lung diseases.

Tag(s) : Clinical

Target audience : Paediatric and adult pulmonologists, epidemiologists, health professionals, public health physicians, and scientists interested in the aetiology and prevention of lung disease.

Chairs : Joachim Muller-Quernheim (Freiburg, Germany), Venerino Poletti (Forli, Italy)

14:00	**The pathomechanism of lung fibrosis and sarcoidosis** Manuela Funke-Chambour (Bern, Switzerland)	**154**
14:45	**The diagnostic and therapeutic standard** Katerina Antoniou (Heraklion, Greece)	**155**
15:30	**Break**	**156**
16:00	**Chronic interstitial lung in children: diagnosis and treatment** Annick Clement (Paris, France)	**157**
16:45	**Lung transplantation: the pros and cons** Geert Verleden (Leuven, Belgium)	**158**

Room E104-106 Session 25 14:00 - 17:30

Registration for this course is additional to the congress registration fee and is €120.

Postgraduate course: PG18 Advanced respiratory and cardiovascular testing (€120)

In health and respiratory disease

Aims : At the end of the course, the participants will understand the physiological constraints of exercise tolerance and its application in clinical practice; appreciate the optimal methods for testing lung mechanics and spirometry; understand the different formats of exercise tests, their advantages and disadvantages, and their different prognostic values in adults and children; and appreciate the usefulness of exercise testing for evaluating pharmacological and non-pharmacological interventions in clinical practice.

Track(s) : Physiology

Tag(s) : Clinical

Target audience : Pulmonologists, respiratory therapists, respiratory physicians, clinical researchers, general practitioners, research fellows, intensivists, nurses, and trainees.

Chairs : Brigitte Fauroux (Paris, France), Susan Ward (Crickhowell, United Kingdom)

14:00	**Respiratory mechanics: changes in disease** Pierantonio Laveneziana (Paris, France)	**149**
14:45	**Measuring dyspnoea in health and disease** Denis O'Donnell (Kingston, Canada)	**150**
15:30	**Break**	**151**
16:00	**Exercise testing to evaluate muscle strength/endurance and pulmonary rehabilitation** Rik Gosselink (Leuven, Belgium)	**152**
16:45	**Lung function tests in preschool children** Enrico Lombardi (Florence, Italy)	**153**

Room 13.2 Session 27 14:00 - 17:30

Registration for this course is additional to the congress registration fee and is €120.

Postgraduate course: PG19 Interventional pulmonology (€120)

Major indications and therapeutic modalities

Aims : To describe the major indications and therapeutic modalities in interventional pulmonology on the basis of the current literature.

Track(s) : Intensive care

Tag(s) : Clinical

Target audience : Pulmonologists, thoracic surgeons, respiratory therapists, respiratory physicians, clinical researchers, radiologists, fellows, and residents.

Chairs : Stylianos Orfanos (Athens, Greece), Otto Chris Burghuber (Vienna, Austria)

14:00	**Solitary pulmonary nodule – how to handle the problem** Christophe Dooms (Leuven, Belgium)	**159**

14:45	**Haemoptysis – a practical work-up** Arschang Valipour (Vienna, Austria)	**160**
15:30	**Break**	**161**
16:00	**Bronchoscopy in the ICU – when is it recommended?** Daniela Gompelmann (Heidelberg, Germany)	**162**
16:45	**Imaging in the ICU – indications and pitfalls** Sebastian Ley (Munich, Germany)	**163**

Room 13.1 Session 7 09:30 - 11:15

Session: Russia day: Community-acquired pneumonia (CAP) in adults

Aims : Session organised in collaboration with the Russian Respiratory Society. The aims of the sessions are to discuss the epidemiology, diagnosis, and management of lung diseases in adults and children.
This session will be translated into Russian.

Target audience : Pulmonologists, GPs, paediatricians, and laboratory diagnostics specialists.

Chairs : Alexander Sinopalnikov (Moscow, Russian Federation), Tobias Welte (Hannover, Germany)

09:30	**Epidemiology of community-acquired pneumonia (CAP)** Antoni Torres Marti (Barcelona, Spain)	**51**
10:00	**CAP management algorithm** Alexander G. Chuchalin (Moscow, Russian Federation)	**52**
10:30	**Panel discussion**	**53**
11:00	**Coffee break**	**54**

Room 13.1 Session 19 11:15 - 12:45

Session: Russia day: Community-acquired pneumonia (CAP) in children

Aims : Session organised in collaboration with the Russian Respiratory Society. The aims of this session are to discuss the epidemiology, diagnosis, and management of lung diseases in children.
This session will be translated from English to Russian.

Target audience : Pulmonologists, GPs, paediatricians, and laboratory diagnostics specialists.

Chairs : Elena Kondiurina (Novosibirsk, Russian Federation), Eva Polverino (Barcelona, Spain)

11:15	**Scientific and practical program "CAP in children" (clinical recommendations for Russia and CIS countries)** Natalya Geppe (Moscow, Russian Federation)	**123**
11:45	**Pneumonia and smoking in children** Elif Dagli (Istanbul, Turkey)	**124**
12:15	**Panel discussion**	**125**
12:45	**Lunch break**	**126**

Room 13.1 Session 22 13:45 - 15:30

Session: Russia day: COPD, asthma, and infection

Aims : Session organised in collaboration with the Russian Respiratory Society. The aims of this session are to discuss epidemiology, diagnosis, and management of lung diseases in adults and children.
This session will be translated from English to Russian.

Target audience : Pulmonologists, GPs, paediatricians, and laboratory diagnostics specialists.

Chairs : Alexander G. Chuchalin (Moscow, Russian Federation), Wisia Wedzicha (London, United Kingdom)

13:45	**COPD from phenotypes to personalised therapy** Marc Miravitlles (Barcelona, Spain)	**133**
14:10	**Infection and asthma** Vera Nevzorova (Vladivostok, Primorsky Krai, Russian Federation)	**134**

14:30	**Difficult asthma** Andrey Belevskiy (Moscow, Russian Federation)	**135**
14:55	**Panel discussion**	**136**
15:10	**Coffee break**	**137**

Room 13.1 Session 34 15:30 - 17:00

Session: Russia day: Tuberculosis in the Russian Federation - achievements and challenges

Aims : Session organised in collaboration with the Russian Respiratory Society. The aims of this session are to discuss the epidemiology, diagnosis, and management of lung diseases in adults and children.
The session will be translated into Russian.

Target audience : Pulmonologists, GPs, paediatricians, and laboratory diagnostics specialists.

Chairs : Alexander G. Chuchalin (Moscow, Russian Federation), Giovanni Sotgiu (Porto Torres, Italy)

15:30	**TB in Russia today and the adapted national anti-TB strategy** Irina Vasilyeva Anatolievna (Moscow, Russian Federation)	**194**
16:00	**International collaboration on TB problems: the European community and Russia - past and future** Giovanni Battista Migliori (Varese, Italy)	**195**
16:30	**Panel discussion and closing remarks**	**196**

Room Forum Session 3 09:00 - 13:00

Session: China day: Advances in pulmonology I

Advances in airway disease diagnosis and management

Aims : Session organised in collaboration with the Chinese Thoracic Society. Leading specialists from China will share the stage with ERS leadership to discuss key issues in respiratory medicine, providing the opportunity to hear about the latest scientific developments in Chinese.
This meeting is designed to update respiratory professionals on the latest developments in the respiratory field. Headsets and translated slides will be used to provide translations of the full session. There will be opportunities for questions and discussion after the presentations.
There will be simultaneous translation from English to Mandarin and slides will be shown with Chinese script.

Target audience : The session is aimed at specialists in respiratory medicine from China.

Chairs : Chen Wang (Beijing, China), Jørgen Vestbo (Manchester, United Kingdom)

09:00	**Tobacco control: the most feasible and challenging way for disease prevention in China** Chen Wang (Beijing, China)	**11**
09:30	**Asthma-COPD overlap syndrome?** Elisabeth H.D. Bel (Amsterdam, Netherlands)	**12**
10:00	**Small airway disorders in COPD** Nanshan Zhong (Guangzhou, China)	**13**
10:30	**Coffee break**	**14**
11:00	**COPD and comorbidity: common pathways of accelerated ageing** Peter J. Barnes (London, United Kingdom)	**15**
11:30	**Asthma in China: current and future challenges** (,)	**16**
12:00	**Advances in COPD management** Jørgen Vestbo (Manchester, United Kingdom)	**17**
12:30	**Current situation of paediatric asthma diagnosis and treatment in China** Kunling Shen (Beijing, China)	**18**
13:00	**Lunch**	**19**

Room Forum Session 24 14:00 - 17:00

Session: China day: Advances in pulmonology II

Advances in lung infection, parenchymal disease diagnosis and lung cancer

Aims : Session organised in collaboration with the Chinese Thoracic Society. Leading specialists from China will share the stage with ERS leadership to discuss key issues in respiratory medicine, providing the opportunity to hear about the latest scientific developments in Chinese.
This meeting is designed to update respiratory professionals on the latest developments in the respiratory field. Headsets and translated slides will be used to provide translations of the full session. There will be opportunities for questions and discussion after the presentations.
There will be simultaneous translation from English to Mandarin and slides will be shown with Chinese script.

Target audience : The session is aimed at specialists in respiratory medicine from China.

Chairs : Peter J. Barnes (London, United Kingdom), Chunxue Bai (Shanghai, China), Nanshan Zhong (Guangzhou, China)

14:00	**Drug-resistant tuberculosis in Europe** Giovanni Battista Migliori (Varese, Italy)	**143**
14:30	**Clinical features and management of human infections by avian influenza** Bin Cao (Beijing, China)	**144**
15:00	**Tea break**	**145**
15:30	**New treatments for pulmonary fibrosis** Ulrich Costabel (Essen, Germany)	**146**
16:00	**Early diagnosis strategy of lung cancer in China** Chunxue Bai (Shanghai, China)	**147**
16:30	**Roundtable discussion and closing remarks**	**148**

Room 4.1 Session 8 09:30 - 13:00

Session: Primary care programme

Management of COPD and other respiratory conditions in clinical practice

Aims : To provide the latest insights into and evidence for the diagnosis and management of respiratory symptoms and diseases in the primary care setting.

Tag(s) : Clinical, Translational

Target audience : Clinicians, GPs, family physicians, pulmonary specialists, allied respiratory professionals, and respiratory patient representatives.

Chairs : Bjorn Stallberg (Uppsala, Sweden), Persijn Honkoop (Leiden, Netherlands), Hilary Pinnock (Edinburgh, United Kingdom), Janwillem Kocks (Groningen, Netherlands)

09:30	**Breathlessness: the patient's experience** Dominique Hamerlijnck (Amsterdam, Netherlands)	**55**
09:45	**Breathlessness: respiratory, cardiac, or something else?** Jaime Correia de Sousa (Porto, Portugal)	**56**
10:15	**Breathlessness: a physiotherapist's approach to management** Margareta Emtner (Uppsala, Sweden)	**57**
10:45	**Wheezing infants: a practical primary care approach?** James Y. Paton (Glasgow, United Kingdom)	**58**
11:15	**Break**	**59**
11:30	**Coughing children: what is normal and when to worry** Iain Small (Peterhead, United Kingdom)	**60**
12:00	**Chronic cough in adults: causes and management** Alyn Hugh Morice (Cottingham, United Kingdom)	**61**
12:30	**Wheeze and obstructive symptoms in adults: asthma or COPD or asthma/COPD overlap syndrome?** Niels Chavannes (Leiden, Netherlands)	**62**

Room Elicium 2 Session 20 12:00 - 17:30

HERMES examination: Adult and Paediatric respiratory medicine examinations

Aims : The HERMES Examinations are in line with the ERS commitment to achieving the highest possible standards of practice in respiratory medicine and harmonising training across Europe.
This examination will be a knowledge-based examination with multiple choice questions (MCQ) in English. A European Diploma in Adult or Paediatric Respiratory Medicine will be conferred from the ERS Educational Activities Department upon successful completion of this examination in the Diploma Category. The examination can also be taken as a self-assessment or in-training assessment.

Register now via MyERS

The blueprint for this examination will be based on the European syllabus. This examination is held annually under the authority of the European Respiratory Society.

Chairs : Konrad E. Bloch (Zurich, Switzerland), Robert Dinwiddie (London, United Kingdom)

Room G102-103 Session 21 13:00 - 17:30

Session: ERS Career Development Fellowships
(former ERS Fellows Get-Together)

Aims : This session presents ERS fellowship programmes to young scientists interested in developing their career in research and training. Speakers will talk about their experience and benefits of a fellowship in someone's career. This session is also a unique networking opportunity for meeting with ERS Officers, past and current fellowship recipients, and with other prospective young scientists.

Tag(s) : Basic, Clinical, Translational

Target audience : Basic scientist, Clinical researcher, Research fellow, Trainee/Student, MD, MSc, PhD, post-doctoral and allied health professionals.

Chairs : Maria Gabriela Belvisi (London, United Kingdom), Stephen T. Holgate (Southampton, United Kingdom)

13:30	**A career with ERS - Past ERS fellow** Renata L. Riha (Edinburgh, United Kingdom)	**127**
13:50	**ERS Top notch researcher.** Nicolas Reynoird (La Tronche, France)	**128**
14:10	**Host and fellowship recipient share their experience together** Kelly Ann Berube (Cardiff, United Kingdom), Kati Huttunen (Cardiff, United Kingdom)	**129**
14:30	**NC3Rs presentation - importance of planning and experimental design when applying for fellowships** Anthony Holmes (St Neots, United Kingdom)	**130**
14:55	**ERS Junior Members Committee (JMC)** Agnes Boots (Maastricht, Netherlands)	**131**
15:20	**Fellowship in industry**	**132**
15:30	**Q & A**	
16:00	**Cocktail & Networking**	

Room G109 Session 36 17:45 - 18:15

Group members' meeting: Group 7.1 Paediatric respiratory physiology and sleep

Chairs : Enrico Lombardi (Florence, Italy), Graham Hall (West Perth, Australia)

Room G102-103 Session 39 07:00 - 08:15

Registration for this session is additional to the congress registration fee and is €85.

Challenging clinical cases: CC1 Diagnosis and management of MDR-TB (€85)

Aims : To discuss the clinical management of MDR-TB, from diagnosis to treatment.

Track(s) : Infection

Tag(s) : Clinical

Target audience : Pulmonologists, respiratory physicians, general practitioners and trainees

Chairs : Antonino Catanzaro (San Diego, United States of America)

07:00	**Introduction**	**205**
07:10	**Diagnosis of MDR-TB** Ximena Gonzalo (London, United Kingdom)	**206**
07:35	**Treatment of MDR-TB** Florian von Groote-Bidlingmaier (Cape Town, South Africa)	**207**
08:00	**Discussion**	**208**

Room 13.2 Session 40 07:00 - 08:15

Registration for this session is additional to the congress registration fee and is €85.

Challenging clinical cases: CC2 Central or obstructive sleep apnoea? (€85)

Aims : To present challenging central and obstructive sleep apnoea cases to facilitate discussion on the pathophysiology and suitable treatment option.

Track(s) : Sleep

Tag(s) : Clinical

Target audience : Clinicians and allied health physicians working in the field of sleep disordered breathing and those with an interest in sleep physiology.

Chairs : Mary Morrell (London, United Kingdom)

07:00	**Introduction**	**209**
07:10	**Case presentation - sleep apnoea** Renata L. Riha (Edinburgh, United Kingdom)	**210**
07:35	**Discussant - sleep apnoea** Raphael Heinzer (Lausanne, Switzerland)	**211**
08:00	**Discussion**	**212**

Room L002 Session 47 08:00 - 10:20

Registration for this workshop is additional to the congress registration fee and is €85.

Educational skills workshop: EW7 Cardiorespiratory monitoring in critically-ill patients (€85)

Linked to the postgraduate course.

Aims : A crucial skill for clinicians is to monitor patients in the ICU and other areas where the critically ill or unstable patient may be found (the operating theatre, post-operative care unit, and emergency department). This session will review the basic principles and current technology of critical care monitoring, with a special focus on cardio-pulmonary monitoring. With this course, we hope that clinicians will better understand the fundamental physiological and theoretical principles of monitoring, thereby enhancing their ability to use clinical data and recognise where errors may occur. This course is taught at the “virtual bedside” by using small groups and case-based scenarios.

Track(s) : Intensive care

Tag(s) : Clinical

Target audience : Consultant physicians in the pulmonary, critical care and anaesthesiology fields, residents in training, medical students, nurses, and respiratory therapists.

Chairs : David A. Kaufman (Charlottesville, United States of America)

	Introduction	**222**
	Workstation 1: Electrical impedance tomography of the lung Inez Frerichs (Kiel, Germany)	**223**

Workstation 2: Ventilator waveforms Paolo Navalesi (Vercelli, Italy)	**224**
Workstation 3: Patient-ventilator asynchrony Lluís Blanch (Sabadell, Spain)	**225**
Workstation 4: Functional haemodynamic monitoring Sheldon Magder (Montreal, Canada)	**226**

Room L001 Session 46 08:00 - 10:20

This workshop is fully booked. Please contact ers2015registration@kit-group.org to be added to the waiting list.

Educational skills workshop: EW8 Radiological – pathological correlations for clinicians (fully booked)

Aims : To illustrate and highlight radiological-pathological correlations in different lung diseases. Professionals interested in respiratory medicine often have a certain knowledge regarding the interpretation of radiological images but are less well informed about how to recognise radiological-pathological correlations. When participating in interdisciplinary conferences and advisory boards (for example, when dealing with ILDs and severe cases of lung emphysema, and when making therapeutic decisions in lung cancer), it is necessary to correlate clinical, radiological, and pathological findings.

Tag(s) : Clinical

Target audience : Pulmonologists, thoracic surgeons, oncologists, radiologists, pathologists, practitioners, basic scientists, trainees, technicians and professionals dealing with lung diseases.

Chairs : Philipp A. Schnabel (Homburg/Saar, Germany)

Introduction	**217**
Workstation 1: Lung emphysema Claus Peter Heussel (Heidelberg, Germany)	**218**
Workstation 2: Interstitial fibrosis Catherine Beigelman-Aubry (Paris, France)	**219**
Workstation 3: Lung cancer Walter De Wever (Leuven, Belgium)	**220**
Workstation 4: Pathology of lung emphysema, interstitial fibrosis and lung cancer Annette Fisseler-Eckhoff (Wiesbaden, Germany)	**221**

Room L002 Session 70 10:40 - 13:00

Registration for this workshop is additional to the congress registration fee and is €85.

Educational skills workshop: EW9 Cardiorespiratory monitoring in critically-ill patients (€85)

Linked to the postgraduate course.

Aims : A crucial skill for clinicians is to monitor patients in the ICU and other areas where the critically ill or unstable patient may be found (the operating theatre, post-operative care unit, and emergency department). This session will review the basic principles and current technology of critical care monitoring, with a special focus on cardio-pulmonary monitoring. With this course, we hope that clinicians will better understand the fundamental physiological and theoretical principles of monitoring, thereby enhancing their ability to use clinical data and recognise where errors may occur. This course is taught at the “virtual bedside” by using small groups and case-based scenarios.

Track(s) : Intensive care

Tag(s) : Clinical

Target audience : Consultant physicians in the pulmonary, critical care and anaesthesiology fields, residents in training, medical students, nurses, and respiratory therapists.

Chairs : Antonio Artigas (Sabadell (Barcelona), Spain)

Introduction	**432**
Workstation 1: Electrical impedance tomography of the lung Paolo Pelosi (Milan, Italy)	**433**
Workstation 2: Ventilator waveforms David A. Kaufman (Charlottesville, United States of America)	**434**
Workstation 3: Patient-ventilator asynchrony Gastón Murias (Buenos Aires, Argentina)	**435**

Workstation 4: Functional haemodynamic monitoring Xavier Monnet (Paris, France)	**436**

Room L001 Session 69 10:40 - 13:00

This course is fully booked. Please contact ers2015registration@kit-group.org to be added to the waiting list.

Educational skills workshop: EW10 Radiological – pathological correlations for clinicians (fully booked)

Aims : To illustrate and highlight radiological-pathological correlations in different lung diseases. Professionals interested in respiratory medicine often have a certain knowledge regarding the interpretation of radiological images but are less well informed about how to recognise radiological-pathological correlations. When participating in interdisciplinary conferences and advisory boards (for example, when dealing with ILDs and severe cases of lung emphysema, and when making therapeutic decisions in lung cancer), it is necessary to correlate clinical, radiological, and pathological findings.

Tag(s) : Clinical

Target audience : Pulmonologists, thoracic surgeons, oncologists, radiologists, pathologists, practitioners, basic scientists, trainees, technicians and professionals dealing with lung diseases.

Chairs : Arnaud Scherpereel (Lille, France)

Introduction	**427**
Workstation 1: Lung emphysema Speaker to be confirmed	**428**
Workstation 2: Interstitial fibrosis Sara Tomassetti (Forli, Italy)	**429**
Workstation 3: Lung cancer Sebastian Ley (Munich, Germany)	**430**
Workstation 4: Pathology of lung emphysema, interstitial fibrosis and lung cancer Giulio Rossi (Modena, Italy)	**431**

Room L002 Session 149 14:30 - 16:50

Registration for this workshop is additional to the congress registration fee and is €85.

Educational skills workshop: EW11 Cardiorespiratory monitoring in critically-ill patients (€85)

Linked to the postgraduate course.

Aims : Monitoring patients in the ICU and other areas where the critically ill or unstable patient may be found (operating theatre, post-operative care unit, and emergency department) is a crucial skill for clinicians. This session will review basic principles and current technology of critical care monitoring, with a special focus on cardio-pulmonary monitoring. With this course, we hope that clinicians will better understand fundamental physiologic and theoretical principles of monitoring to enhance their ability to use clinical data and recognise where errors may occur. This course is taught at the “virtual bedside” using small groups and case-based scenarios.

Track(s) : Intensive care

Tag(s) : Clinical

Target audience : Consultant physicians in the pulmonary, critical care and anaesthesiology fields, residents in training, medical students, nurses, and respiratory therapists.

Chairs : David A. Kaufman (Charlottesville, United States of America)

Introduction	**1404**
Workstation 1: Electrical impedance tomography of the lung Inez Frerichs (Kiel, Germany)	**1405**
Workstation 2: Ventilator waveforms Paolo Navalesi (Vercelli, Italy)	**1406**
Workstation 3: Patient-ventilator asynchrony Gastón Murias (Buenos Aires, Argentina)	**1407**
Workstation 4: Functional haemodynamic monitoring Sheldon Magder (Montreal, Canada)	**1408**

Room L001 Session 148 14:30 - 16:50

This workshop is fully booked. Please contact ers2015registration@kit-group.org to be added to the waiting list.

Educational skills workshop: EW12 Radiological – pathological correlations for clinicians (fully booked)

Aims : To illustrate and highlight radiological-pathological correlations in different lung diseases. Professionals interested in respiratory medicine often have a certain knowledge regarding the interpretation of radiological images but are less well informed about how to recognise radiological-pathological correlations. When participating in interdisciplinary conferences and advisory boards (for example, when dealing with ILDs and severe cases of lung emphysema, and when making therapeutic decisions in lung cancer), it is necessary to correlate clinical, radiological, and pathological findings.

Tag(s) : Clinical

Target audience : Pulmonologists, thoracic surgeons, oncologists, radiologists, pathologists, practitioners, basic scientists, trainees, technicians and professionals dealing with lung diseases.

Chairs : Bogdan Dragos Grigoriu (Iasi, Romania)

	Introduction	**1399**
	Workstation 1: Lung emphysema Claus Peter Heussel (Heidelberg, Germany)	**1400**
	Workstation 2: Interstitial fibrosis Catherine Beigelman-Aubry (Paris, France)	**1401**
	Workstation 3: Lung cancer Walter De Wever (Leuven, Belgium)	**1402**
	Workstation 4: Pathology of lung emphysema, interstitial fibrosis and lung cancer Annette Fisseler-Eckhoff (Wiesbaden, Germany)	**1403**

Room G109 Session 140 13:00 - 14:00

Registration for this session is additional to the congress registration fee and is €85.

Meet the expert: ME1 Diagnosing COPD (€85)

Distinguishing between emphysema and chronic bronchitis

Aims : To describe the different diagnostic approaches and treatment modalities for COPD

Tag(s) : Clinical

Target audience : Pulmonologists, thoracic surgeons, respiratory therapists, respiratory physicians, clinical researchers, radiologists, fellows, and residents

Chairs :

13:00	**Diagnosing COPD: distinguishing between emphysema and chronic bronchitis** Gianna Camiciottoli (Firenze, Italy)	**1378**

Room G104-105 Session 138 13:00 - 14:00

Registration for this session is additional to the congress registration fee and is €85.

Meet the expert: ME2 Malignant pleural effusions: from diagnosis to management (€85)

Aims : To show how to reliably diagnose malignant pleural effusion (MPE) as fast as possible and to provide an updated summary of the (symptomatic and/or aetiological) management of MPE on the basis of clinical cases.

Track(s) : Oncology

Tag(s) : Clinical

Target audience : pulmonary physicians and trainees, thoracic surgeons, (thoracic) oncologists, pathologists, and researchers involved in pleural diseases

Chairs :

13:00	**Malignant pleural effusions: from the diagnosis to the management** Nick Maskell (Bristol, United Kingdom)	**1377**

Room G110 Session 141 13:00 - 14:00

Registration for this session is additional to the congress registration fee and is €85.

Meet the expert: ME3 Mechanical ventilation: a friend and a foe (€85)

Aims : -To understand the benefits and complications of mechanical ventilation

Track(s) : Intensive care

Tag(s) : Clinical

Target audience : Critical care physicians, respiratory care physicians, pulmonologists, respiratory therapists, physiotherapists, critical care nurses, scientists

Chairs :

13:00	**Mechanical ventilation: a friend and a foe** Theodoros Vassilakopoulos (Kantza, Greece)	**1379**

Room Auditorium Session 49 08:30 - 12:45

Session: Spanish/Portuguese day: Exercise and other lifestyle behaviour for good lung health worldwide

Aims : Session organised in collaboration with ERS/ALAT/SEPAR/SBPT/SPP. Leading specialists from each country will share the stage with the ERS leadership to discuss key issues in respiratory medicine, providing the opportunity to hear about the latest scientific developments in Spanish and Portuguese.
This meeting is designed to update respiratory professionals on the latest developments in the respiratory field.
There will be opportunities for questions and discussion after the presentations.
Presentations given in Portuguese and Spanish will be translated to English.

Tag(s) : Healthy Lungs for Life (HLfL)

Target audience : The session is aimed at specialists in respiratory medicine from Spanish and Portuguese speaking countries.

Chairs : Alejandro Casas Herrera (Bogota, Colombia), Joan B. Soriano (Madrid, Spain), Inmaculada Alfageme Michavila (Sevilla, Spain)

08:30	**Exercise training in COPD (presentation in Spanish by ALAT representative)** Martin Sivori (Buenos Aires, Argentina)	**232**
09:00	**Home-rehabilitation: is it effective? (presentation in Portuguese by SBPT representative)** Jose Roberto De Brito Jardim (Sao Paulo, Brazil)	**233**
09:30	**Impact of COPD and its comorbidities on exercise capacity (presentation in Spanish by SEPAR representative)** Joaquim Gea Guiral (Barcelona, Spain)	**234**
10:00	**Can exercise change the evolution of respiratory disease? (presentation in Portuguese by SPP representative)** Maria Fatima Miguel Rodrigues (Lisboa, Portugal)	**235**
10:30	**Break**	**236**
10:45	**New models in home-respiratory care (presentation in Portuguese by SPP representative)** João Carlos Winck (Vila Nova de Gaia, Portugal)	**237**
11:15	**Asthma-COPD overlap syndrome: more than just two diseases in the same patient (presentation in Spanish by SEPAR representative)** Luis Pérez de Llano (Lugo, Spain)	**238**
11:45	**Schistosomiasis as the main cause of pulmonary hypertension (presentation in Portuguese by SBPT representative)** Rogério De Souza (Sao Paulo, Brazil)	**239**
12:15	**Why the ALAT COPD guidelines 2014 are different? (presentation in Spanish by ALAT representative)** María Montes de Oca (Caracas, Venezuela)	**240**

Room Auditorium Session 91 12:45 - 14:30

Session: Spanish/Portuguese day: Poster session and keynote lecture

Aims : Session organised in collaboration with ERS/ALAT/SEPAR/SBPT/SPP. Leading specialists from each country will share the stage with ERS leadership to discuss key issues in respiratory medicine, providing the opportunity to hear about the latest scientific developments in Spanish and Portuguese. This session is designed to update respiratory professionals on the latest developments in the respiratory field.
Presentations given in Portuguese and Spanish will be translated to English (except for Poster Session, which will be in Spanish or Portuguese only).
There will be opportunities for questions and discussion after the presentations.

Tag(s) : Healthy Lungs for Life (HLfL)

Target audience : The session is aimed at specialists in respiratory medicine from Spanish/Portuguese speaking countries.

Chairs : Elisabeth H.D. Bel (Amsterdam, Netherlands), Giovanni Battista Migliori (Varese, Italy)

12:45	**Poster viewing and discussion (light snack and coffee will be available): http://k4.ersnet.org/prod/v2/Front/Program/Session?e=5&session=3980**	**633**
13:45	**Introduction** Elisabeth H.D. Bel (Amsterdam, Netherlands)	**634**
13:50	**Keynote Lecture "Cardiopulmonary research and medicine: translational bridges"** Valentin Fuster (Madrid, Spain)	**635**
14:25	**Closure remarks**	**636**

Room Auditorium Session 151 14:45 - 16:45

Session: Spanish/Portuguese day: Tobacco control policies

Preventing interference from the tobacco-industry

Aims : Session organised in collaboration with ERS/ALAT/SEPAR/SBPT/SPP. International societies symposium. After the meeting, the audience will be aware of the process behind the creation and approval of this working group. In addition, the main aims of this working group, who its members are, the main activities that it developed during 2015 and its proposals for the next year will be described. Presentations given in Portuguese and Spanish will be translated to English.

Track(s) : Epidemiology/Environment

Tag(s) : Healthy Lungs for Life (HLfL)

Target audience : Pulmonologists, clinicians, surgeons, physiologists, and allied respiratory professionals.

Chairs : Carlos Andres Jimenez Ruiz (Madrid, Spain), Daniel Buljubasich Sincovich (Rosario, Argentina)

14:45	**Exposing tobacco industry interference in policy-making: the role of research and ERS** Sofia Belo Ravara (Lisbon, Portugal)	**1414**
15:15	**Tobacco control policies in Latin America** Jose Miguel Chatkin (Porto Alegre, Brazil)	**1415**
15:45	**Tobacco control policies in Portugal** Ana Maria Ferreira Rodrigues Figueiredo (Coimbra, Portugal)	**1416**
16:15	**Tobacco control policies in Spain** Segismundo Solano Reina (Madrid, Spain)	**1417**

Room Elicium 1 Session 37 07:00 - 08:15

How to: Reach targeted educational outcomes

Aims : To discuss best practice in evidence-based simulation training and to gain an insight into best practice in workplace-based assessments, such as observation, feedback and regular follow-up with residents.

Target audience : Anyone who is involved in clinical teaching/clinical assessment as a teacher, learner or programme director

Chairs : Frank W.J.M. Smeenk (Eindhoven, Netherlands)

07:00	**Introduction**	**197**
07:10	**Using simulation for training and certification of technical skills** Lars Konge (Virum, Denmark)	**198**
07:35	**Using workplace based assessment for training and assessment of non-technical skills** Erik Driessen (Maastricht, Netherlands)	**199**
08:00	**Discussion**	**200**

Room 2.1 Session 38 07:00 - 08:15

How to: Deliver bad news

Aims :
To enable clinicians to deliver bad news while paying sufficient attention to the following issues: gathering adequate information from the patient, providing the necessary medical information as well as support to the patient, and collaborating with the patient in developing a strategy or treatment plan for the future.

Target audience : Pulmonologists, emergency medicine doctors, respiratory therapists, respiratory physicians, general practitioners, intensivists, nurses, pathologists, radiologists, thoracic surgeons, otolaryngologist and trainees.

Chairs : Stefano Nava (Bologna, Italy)

07:00	**Introduction**	**201**
07:10	**Equivocal diagnoses - handling uncertainty when breaking bad news** Andrew Bush (London, United Kingdom)	**202**
07:35	**What comes next? The SPIKES protocol and the subject of prognosis** Nicolas Schönfeld (Berlin, Germany)	**203**
08:00	**Discussion**	**204**

Room G104-105 Session 41 07:30 - 08:20

Group members' meeting: Group 1.2 Rehabilitation and chronic care

Chairs : Ioannis Vogiatzis (Athens, Greece), Frits M.E. Franssen (Horn, Netherlands)

Room E102 Session 42 07:30 - 08:20

Group members' meeting: Group 3.2 Airway cell biology and immunopathology

Chairs : Clifford Taggart (Belfast, United Kingdom), Silke Meiners (Munich, Germany)

Room G109 Session 43 07:30 - 08:20

Group members' meeting: Group 5.1 Airway pharmacology and treatment

Chairs : Gaetano Caramori (Ferrara, Italy), Reinoud Gosens (Groningen, Netherlands)

Room G111 Session 44 07:30 - 08:20

Group members' meeting: Group 5.2 Monitoring airway disease

Chairs : Stylianos Loukides (Voula, Athens, Greece), Jose Luis Lopez-Campos Bodineau (Sevilla, Spain)

Room 7.1 Session 48 08:30 - 10:30

Grand round: It is bleeding in the lung, but it is not a lung cancer - an interactive session and Ceremony for the ERS Pulmonary Arterial Hypertension Lifetime Achievement Award

Aims : To present four cases in which the aetiology of haemoptysis is not trivial: alveolar haemorrhage, acute pulmonary infections, diseases of the pulmonary arteries, and chronic sarcoidosis. At the end of this session, participants should be able to give the best diagnostic strategy based on the clinical examination and radiological findings in these different situations. They should also be able to prescribe the appropriate tests to confirm their diagnostic hypotheses. Finally, they should be able to prescribe the first-line treatments including corticosteroids, anti-infection drugs, and to determine whether there is a need for interventional radiology.

Tag(s) : Clinical

Target audience : Pneumologists and non-pneumologists, clinicians (especially those interested in internal medicine, infectiology, imaging and emergency), juniors, and seniors who want improve their knowledge in the field.

Chairs : Jacques Cadranel (Paris, France), Venerino Poletti (Forli, Italy)

08:30	**Ceremony for the ERS Pulmonary Arterial Hypertension Lifetime Achievement Award** Anton Vonk Noordegraaf (Amsterdam, Netherlands), Andrew Peacock (Glasgow, United Kingdom)	**227**
08:40	**A man with pulmonary infiltrates and acute renal failure** Vincent Cottin (Lyon, France)	**228**
09:07	**A young man with nodules and an enlarged right pulmonary artery** Agnès Hamzaoui (Tunis, Tunisia)	**229**
09:34	**A farmer with a history of gastric cancer** Paolo Spagnolo (Liestal, Switzerland)	**230**
10:01	**A man with a prior history of sarcoidosis** Robert P. Baughman (Cincinnati, United States of America)	**231**

Room 7.2 Session 50 08:30 - 10:30

Symposium: The emergence of drug-resistant tuberculosis in Europe: no cure possible?

Aims : To gain insights into the mechanism of bacterial drug resistance, learn about the molecular epidemiology of M. tuberculosis and the biological mechanisms that facilitate bacterial transmission, become alert about the latest official drug resistance surveillance data, become aware of the latest treatment outcome data, learn about the latest research findings regarding optimisation of the management of M/XDR-TB, become aware of the key aspects of the consensus statement for the management of M/XDR-TB and understand the WHO strategy for TB control and elimination.

Track(s) : Infection

Tag(s) : Translational

Target audience : Clinicians, microbiologists, epidemiologists, specialist nurses, and scientists interested in tuberculosis and other respiratory infections.

Chairs : Martin J. Boeree (Nijmegen, Netherlands), Masoud Dara (Copenhagen, Denmark)

08:30	**Patient's testimonial** Gabriela Spita (Iasi, Romania)	**241**
08:42	**Molecular epidemiology of M. tuberculosis drug resistance in Europe** Dick van Soolingen (Nijmegen, Netherlands)	**242**
09:09	**Drug-resistant tuberculosis in the European Union and European economic area** Marieke van der Werf (Stockholm, Sweden)	**243**
09:36	**Management of patients with M/XDR-tuberculosis in Europe** Christoph Lange (Borstel, Germany)	**244**
10:03	**Elimination of tuberculosis at a times of emerging drug resistance** Denis Falzon (Geneva, Switzerland)	**245**

Room Elicium 2 Session 51 08:30 - 10:30

Symposium: Weaning from mechanical ventilation: new insights

Aims : To describe the concepts of simple, difficult, and prolonged weaning, the new weaning strategies in adult and paediatric populations; and the possible use of computer-driven protocols to facilitate weaning in paediatric patients.

Track(s) : Intensive care Infection

Tag(s) : Clinical

Target audience : Pulmonologists, intensivists, respiratory therapists, and paediatricians.

Chairs : Cesare Gregoretti (Turin, Italy), Leo M.A. Heunks (Nijmegen, Netherlands), Marc Moss (Denver, United States of America)

08:30	**What's well established and what's new in weaning: an update** Laurent Brochard (Toronto, Canada)	**246**
09:00	**COPD patients: weaning and beyond** Nicholas Hart (London, United Kingdom)	**247**
09:30	**Weaning in children: from basic physiology to a computer-driven extubation protocol** Philippe Jouvet (Montreal, Canada)	**248**
10:00	**NIV to facilitate weaning: not only COPD** Miquel Ferrer Monreal (Barcelona, Spain)	**249**

Room 4.2 Session 52 08:30 - 10:30

Symposium: Acute lung injury research: are we doing the right things?

Aims : To very critically re-evaluate various aspects of current basic and translational research in acute lung injury (ALI). It will scrutinise potentially fundamental flaws in the present ALI research, i.e. the quality of our preclinical science, adequacy of our academic environment, strategies for linking preclinical studies and clinical trials, and validity of our target itself. The symposium intentionally encourages bold, stimulating and challenging arguments and discussions between the speakers and the audience, to be facilitated by the chairs. It will generate an ethos across the international scientific community in this field, to make serious efforts in a consorted fashion towards real progress in effective translation.

Track(s) : Intensive care

Tag(s) : Translational

Target audience : Scientists and clinicians in the field of respiratory and critical care who are interested in the basic mechanisms of acute lung injury (ALI) and the clinical translation for these mechanisms into therapies for acute respiratory distress syndrome (ARDS).

Chairs : Rory Morty (Bad Nauheim, Germany), Masao Takata (London, United Kingdom)

08:30	**Introduction by the Chairs**	**250**

08:40	**Are we doing sloppy preclinical science using inadequate models?** Stefan Uhlig (Aachen, Germany)	**251**
09:05	**Is the current publishing and funding environment ruining our research?** Sadis Matalon (Birmingham, United States of America)	**252**
09:30	**Are we wasting money on premature and badly designed clinical trials?** Danny McAuley (Belfast, United Kingdom)	**253**
10:00	**Reality or illusion: should we target ALI as a whole?** Wolfgang M. Kuebler (Toronto, Canada)	**254**

Room 5.2 Session 53 08:30 - 10:30

Symposium: Preschool wheeze: new insights

Aims : To describe the recent epidemiological knowledge that permits the wheezing phenotypes in preschool children to be distinguished more precisely, provide updated information about the specific risk factors for persistence of asthma into school age, describe the roles that allergy and bacterial infections play in the development of wheezing in preschool children, review the controversy regarding antibiotic use in early childhood and its association with the development of asthma and describe the latest recommendations of the ERS task force on preschool wheeze.

Track(s) : Paediatric

Tag(s) : Translational

Target audience : Paediatricians, paediatric and adult pulmonologists, GPs and nurses.

Chairs : Özge Yilmaz (Manisa, Turkey), Angela Zacharasiewicz (Vienna, Austria)

08:30	**Risk factors for persistent wheeze into school age: what is helpful?** Alexander Möller (Zurich, Switzerland)	**255**
09:00	**Preschool wheezing and the role of allergy in its pathogenesis, treatment, and prognosis** Adnan Custovic (Manchester, United Kingdom)	**256**
09:30	**Role of bacterial infection in preschool wheeze: a risk factor for persistent wheeze and a reason for treatment failure?** Hasan Yüksel (Manisa, Turkey)	**257**
10:00	**An update on the 2008 Task Force on preschool wheezing** Paul L. P. Brand (Zwolle, Netherlands)	**258**

Room Elicium 1 Session 54 08:30 - 10:30

Symposium: My patient had major thoracic and abdominal surgery: what happens next?

Aims : At the end of this symposium, the audience will have gained broad insights into the multidisciplinary and interdisciplinary treatment of patients undergoing major thoracic or abdominal surgery; understand the importance of nutritional screening and the efficacy of nutritional interventions in patients undergoing major thoracic or abdominal surgery; have an impression of the possible psychological complications that can occur before and after surgery and the interventions that can be used to tackle these complications; understand the impact of major surgery on functional status, exercise tolerance, muscle function and, ADL activities; and have an overview of the role of physiotherapeutic care within the multidisciplinary treatment of surgery patients.

Track(s) : Intensive care Physiology

Tag(s) : Clinical

Target audience : Clinicians, surgeons, physiotherapists, nutritionists, psychologists, nurses, and researchers.

Chairs : Chris Burtin (Diepenbeek, Belgium), Annette Boehler (Zurich, Switzerland)

08:30	**Patient testimonial** Martin Price (Oxfordshire, United Kingdom)	**259**
08:50	**Can catabolism and immune responses be altered with proper nutritional management in patients undergoing major thoraco-abdominal surgery?** Martin Hübner (Lausanne, Switzerland)	**260**
09:15	**Psychological aspects of the surgical patient: is the recovery all in your head…** Adriaan A. Kaptein (Leiden, Netherlands)	**261**
09:40	**Functional consequences of surgery: there can be no good without the bad** Gill Arbane (London, United Kingdom)	**262**

10:05	**Physiotherapy before and after surgery: not only better early than late, but also better late than never?** Paula Agostini (Birmingham, United Kingdom)	**263**

Room Forum Session 55 08:30 - 10:30

Oral presentation: Advances in the therapy of lung cancer

Chairs : Jean-Paul Sculier (Brussels, Belgium), Fernando Gamarra (Straubing, Germany)

OA264	**LATE-BREAKING ABSTRACT: Overall survival after the introduction of CT-based follow-up after resection of lung cancer. A population based quality assurance analysis** Niels-Christian Gerner Hansen (Odense C, Denmark), Niels-Chr. G. Hansen, Stefan Starup Jeppesen, Erik Jakobsen
OA265	**Afatinib (A) vs erlotinib (E) as second-line treatment of patients (pts) with advanced squamous cell carcinoma (SCC) of the lung: LUX-Lung 8 (LL8), a phase III trial** Shirish Gadgeel (Detroit, United States of America), Shirish Gadgeel, Jean-Charles Soria, Enriqueta Felip, Manuel Cobo, Shun Lu, Konstantinos Syrigos, Ki Hyeong Lee, Erdem Göker, Vassileios Georgoulias, Wei Li, Dolores Isla, Salih Zeki Guclu, Alessandro Morabito, Young Joo Min, Andreas Ardizzoni, Bushi Wang, Vikram Chand, Glenwood Goss, For the LUX-Lung 8 Investigators
OA266	**Enhanced FGFR signaling correlates with erlotinib/bevacizumab response in advanced non-squamous non-small cell lung cancer** Anca Franzini (St Gallen, Switzerland), Anca Franzini, Florent Baty, Martin Brutsche
OA267	**Clinical characteristics of 32 patients with BRAF V600E-mutated lung adenocarcinoma** Audrey Benguigui (Rouen, France), Audrey Benguigui, Florian Guisier, Aude Lamy, Suzanna Bota, Samy Lachkar, Mathieu Salaün, Luc Thiberville
OA268	**Cox-2 inhibitors in the treatment of small cell lung cancer patients** Efimia Boutsikou (Thessaloniki, Greece), Efimia Boutsikou, Paul Zarogoulidis, Tania Konstanta, Sofia Lampaki, Lefteris Vlogiaris, Dionisis Spyratos, Konstantinos Zarogoulidis
OA269	**Does smoking status after a diagnosis of lung cancer matter? Impact of quitting on 1 year survival** Rachel Roberts (llanelli, United Kingdom), Rachel Roberts, Keir Lewis
OA270	**A phase III trial comparing concomitant radiochemotherapy (RT-CT) with cisplatin (P) and docetaxel (D) as induction versus consolidation in patients with locally advanced unresectable non-small cell lung cancer (NSCLC). An ELCWP study** Thierry Berghmans (Brussels, Belgium), Thierry Berghmans, Jean-Jacques Lafitte, Marianne Paesmans, Anne-Pascale Meert, Arnaud Scherpereel, Oswald Van Cutsem, Benoit Colinet, Paul Van Houtte, Martine Roelandts, Nathalie Leclercq, Jean-Paul Sculier
OA271	**Consolidation maintenance oral vinorelbine following concurrent chemoradiation of intravenous vinorelbine and cisplatin in patients with unresectable stage III non-small cell lung cancer** Yaser Ahmad (Assuit, Egypt), Yaser Elkelhy, Samer Eid, M.M. Omar, Tarek Salah

Room 5.1 Session 56 08:30 - 10:30

Oral presentation: Best abstracts in pulmonary rehabilitation and chronic care

Aims : The competition of 5 selected abstracts will take place during the session. Prizes, supported by Invacare) will be announced.

Chairs : Ioannis Vogiatzis (Athens, Greece), Frits M.E. Franssen (Horn, Netherlands)

OA272	**Comprehensive care programme for patients with chronic obstructive pulmonary disease (COPD) --- A randomized controlled trial (RCT)** Fanny W.S. Ko (Shatin, Hong Kong), Fanny W.S. Ko, Nai-Kwong Cheung, Timothy Rainer, Christopher C.M. Lum, Ivor Wong, David S.C. Hui
OA273	**Effectiveness of home tele-rehabilitation on functional capacity and daily physical activity in COPD patients** Maroula Vasilopoulou (Athens, Thrakomakedones, Greece), Maroula Vasilopoulou, Andriana I. Papaioannou, Nikolaos Chynkiamis, Theodora Vasilogiannakopoulou, Stavroula Spetsioti, Zafeiris Louvaris, Eleni Kortianou, Otilia Kocsis, Athanasios Tsopanoglou, Chrysoula Feridou, Eustathia Plataniti, Alexia Thomopoulou, Georgios Kaltsakas, Nikolaos G. Koulouris, Ioannis Vogiatzis
OA274	**The REVIVE study: A randomised controlled trial of the effect of a programme of exercise on physical function in survivors of critical illness after discharge from the intensive care unit** Kathryn McDowell (Northern Ireland, United Kingdom), Kathryn McDowell, Brenda O'Neill, Bronagh Blackwood, Chris Clarke, Evie Gardner, Paul Johnston, Michaeline Kelly, John McCaffrey, Brian Mullan, Sally Murphy, John Trinder, Gavin Lavery, Daniel F. McAuley, Judy M. Bradley

OA275	**Effect of telehealthcare on exacerbations and hospital admissions in COPD: A randomised controlled trial** Charlotte Suppli Ulrik (Virum, Denmark), Thomas Ringbæk, Allan Green, Lars Chr. Laursen, Ejvind Frausing, Eva Brøndum, Charlotte Suppli Ulrik
OA276	**Evaluation of the impact of a pulmonary rehabilitation program on exercise capacity in LAM** Mariana Sponholz Araujo (Sao Paulo, Brazil), Mariana Sponholz Araujo, Bruno Guedes Baldi, André Luis Pereira de Albuquerque, Carolina Salim Gonçalves Freitas, Ronaldo Adib Kairalla, Celso Ricardo Fernandes de Carvalho, Carlos Roberto Ribeiro de Carvalho
OA277	**Policy Statement on Pulmonary Rehabilitation** Carolyn Rochester (New Haven, United States of America)
OA278	**LATE-BREAKING ABSTRACT: Increasing physical activity in patients with COPD using a telecoaching program: A multicenter RCT** Heleen Demeyer (Halle, Belgium), Heleen Demeyer, Zafeiris Louvaris, Rebecca Tanner, Noah Rubio, Anja Frei, Corina de Jong, Elena Gimeno Santos, Maarten Spruyt, Matthias Loeckx, Sara Buttery, Claire Yerramasu, Gilbert Buesching, Alexandra Strassmann, Ignasi Serra, Roberto Rabinovich, Iannis Vogiatzis, Michael Polkey, Judith Garcia Aymerich, Thierry Troosters

Room 13.1 Session 57 08:30 - 10:30

Oral presentation: Emerging data on (e-)cigarettes and their health hazards

Chairs : Philip Tønnesen (Glostrup, Denmark), Luke J. Clancy (Dublin, Ireland)

OA279	**Comparison of the effects of e-cigarette vapor vs cigarette smoke on lung function and inflammation in mice** Constantinos Glynos (Athens, Greece), Constantinos Glynos, Sofia-Irida Bibli, Athanasia Pavlidou, Paraskevi Katsaounou, Ioannis Kalomenidis, Spyros Zakynthinos, Andreas Papapetropoulos
OA280	**Assessment of throat-hit and desire to switch from tobacco to e-cigarette during blind test of e-liquid and e-cigarette** Bertrand Dautzenberg (Paris, France), Bertrand Dautzenberg, Aledandre Scheck, Celine Kayal, Marie-Dominique Dautzenberg
OA281	**Did the tobacco industry know that smoking caused cystic fibrosis-like lung disease before the scientific community?** Elif Dagli (Istanbul, Turkey), Elif Dagli
OA282	**Annual budgetary impact of varenicline as part of a smoking cessation strategy in Greece** Paraskevi Katsaounou (Athens, Greece), Paraskevi Katsaounou, Aikaterini Bilitou, Vasilis Tsekouras
OA283	**Efficacy of varenicline among smokers enrolled on a public health tobacco control program (HM-TCP) in the real-life setting** Maria da Penha Uchoa Sales (Fortaleza, Brazil), Maria da Penha Sales, Fernando Aguiar, Maria Irenilza Oliveira
OA284	**Cost effectiveness of retreatment with varenicline compared to other commonly used smoking cessation interventions** Heikki Ekroos (Kerava, Finland), Heikki Ekroos, Kirsi Kautiainen, Mikko Puhakka, Helena Liira, Juha Laine, Kari Linden, Jarmo Hahl

Room 2.1 Session 58 08:30 - 10:30

Oral presentation: Hot topics on airway diseases: new horizons in treatment

Chairs : Gaetano Caramori (Ferrara, Italy), Kian Fan Chung (London, United Kingdom)

OA285	**LATE-BREAKING ABSTRACT: Long-term efficacy of A_1-PI therapy in RAPID and RAPID extension trials** Noel Gerard McElvaney (Dublin, Ireland), N. Gerard McElvaney, Kenneth R. Chapman, Jonathan Burdon, Eeva Piitulainen, Niels Seersholm, James Stocks, Robert Sandhaus, Oliver Vit, Michael Fries, Jonathan M. Edelman
OA286	**LATE-BREAKING ABSTRACT: Anti-inflammatory effect of RP6557, a dual PI3K d/? inhibitor, in glucocorticoid insensitive human neutrophils from chronic obstructive pulmonary disease patients** Xavier Milara (Valencia, Spain), Javier Milara, Adela Serrano, Julio Cortijo, Srikant Viswanadha, Swaroop Vakkalanka
OA287	**LATE-BREAKING ABSTRACT: Reslizumab in patients with late-onset asthma with elevated blood eosinophils** Guy Brusselle (Ghent, Belgium), Guy Brusselle, Matthew Germinaro, Sherrine Eid, James Zangrilli
OA288	**LATE-BREAKING ABSTRACT: A novel role for CCR3 in promoting airways hyperreactivity; Role for CCR3-muscarinic M3 receptor heterodimers** Kevin Bacon (San Diego, United States of America), Kevin Bacon, Emma Moss, Karen Bingham, Louis-Philippe Boulet, Mark Fitzgerald, Gail Gauvreau, Paul O²Byrne, Taylor Gilliland, Tracy Handel, Tai-Wei Ly, Stefen Boehme

OA289	**LATE-BREAKING ABSTRACT: A dose-ranging study of dupilumab in patients (pts) with uncontrolled asthma despite use of inhaled corticosteroids plus a long-acting beta-agonist (ICS/LABA): Final data** Sally Wenzel (Pittsburgh, United States of America), Sally Wenzel, Mario Castro, Bingzhi Zhang, Gianluca Pirozzi, E. Rand Sutherland, Neil Graham, Robert R. Evans, Mariana Louis-Tisserand, Ariel Teper
OA290	**LATE-BREAKING ABSTRACT: Effect of QAW039, an oral prostaglandin D2 receptor (DP2/CRTh2) antagonist, upon bronchial epithelial integrity in treatment-resistant asthma in a randomized, placebo controlled study** Rachid Berair (Birmingham, United Kingdom), Rachid Berair, Sherif Gonem, Amisha Singapuri, Ruth Hartley, Marie Laurencin, Gerald Bacher, Bjoern Holzhauer, Michelle Bourne, Vijay Mistry, Ian Pavord, Adel Mansur, Andrew Wardlaw, Salman Siddiqui, Richard Kay, Chris Brightling
OA291	**LATE-BREAKING ABSTRACT: Transcriptomic fingerprinting in severe adult-onset asthma shows type2-high and inflammatory-cell gene signatures in the U-BIOPRED cohort** Pieter-Paul Hekking (Amsterdam, Netherlands), P.P. Hekking, M.J. Loza, S. Pavlidis, B. De Meulder, F. Baribaud, C. Auffray, A.H. Wagener, A.T. Bansal, A.R. Sousa, J. Corfield, E.H. Bel, I.M. Adcock, K.F. Chung, R. Djukanovic, P.J. Sterk
OA292	**LATE-BREAKING ABSTRACT: Oxidation of the alarmin IL-33 regulates ST2-dependent inflammation** Suzanne Cohen (Cambridge, United Kingdom), Suzanne Cohen, Ian Scott, Jayesh Majithiya, Laura Rapley, Benjamin Kemp, Nicholas Bond, Dorothy Sims, Christopher Brightling, Robin Butler, Daniel Higazi, Dominic Corkill, Richard May, Tomas Mustelin, Matthew Sleeman

Room 4.1 Session 59 08:30 - 10:30

Oral presentation: A bout de souffle: hypoxia and sleep-disordered breathing

Chairs : Maria Bonsignore (Palermo, Italy), Winfried J. Randerath (Solingen, Germany)

OA293	**LATE-BREAKING ABSTRACT: Effects of long term intermittent hypoxia (IH) mimicking obstructive sleep apnea (OSA) on spontaneous tumorigenesis in aged mice** Teresa Gallego-Martin (Valladolid, Spain), Teresa Gallego-Martin, Ana Obeso, Sara Yubero, Elena Olea, Elvira Gonzalez-Obeso, Ramón Farré, Constancio Gonzalez
OA294	**Hypertension induced by chronic intermittent hypoxia: Effects of carvedilol in a rat model** Lucilia Diogo (Lisbon, Portugal), Lucilia N. Diogo, Sofia A. Pereira, Ana R. Nunes, Ricardo A. Afonso, Ana I. Santos, Emilia C. Monteiro
OA295	**Neural respiratory drive (NRD) during continuous positive airway pressure (CPAP) titration in awake obese subjects with obstructive sleep apnoea (OSA)** Sichang Xiao (London, United Kingdom), Sichang Xiao, Johan D. Bastianpillai, Culadeeban Ratneswaran, Martino F. Pengo, Yuanming Luo, Caroline J. Jolley, John Moxham, Joerg Steier
OA296	**Endothelin regulates intermittent hypoxia-induced lipolytic remodelling of adipose tissue and phosphorylation of hormone-sensitive lipase** Anne Briançon-Marjollet (Grenoble, France), Anne Briançon-Marjollet, Denis Monneret, Marion Henri, Florence Hazane-Puch, Jean-Louis Pépin, Patrice Faure, Diane Godin-Ribuot
OA297	**Oxidative stress after withdrawal of CPAP for OSA** John Stradling (Oxford, United Kingdom), John Stradling, Esther Schwarz, Christian Schlatzer, Ari Manuel, Regent Lee, Charalambos Antoniades, Malcolm Kohler
OA298	**The role of hypoxia and the circadian rhythm in sleep apnoea** Tessa Jaspers (London, United Kingdom), Tessa Jaspers, Mary Morrell, Anita Simonds, Ian Adcock, Andrew Durham
OA299	**Impact of continuous positive airway pressure on liver injury induced by obstructive sleep apnea: Data from randomized controlled trials** Jean-Louis Pepin (Grenoble, France), Ingrid Jullian-Desayes, Renaud Tamisier, Jean-Pierre Zarski, Judith Aron-Wisnewsky, Sandrine H. Launois, Nathalie Arnol, Karine Clement, Patrick Levy, Marie Joyeux-Faure, Jean-Louis Pepin
OA300	**Pharmacologically increasing cerebral blood flow reduced central sleep apnea severity at high altitude** Keith Burgess (Sydney, Australia), Keith Burgess, Samel Lucas, Katie Burgess, Kate Sprecher, Joseph Donnelly, Aparna Basnet, Philip Ainslie

Room Emerald Session 60 08:30 - 10:30

Oral presentation: Lung function: effects on method, machine and disease on the measurement

Chairs : Waldemar Tomalak (Rabka-Zdroj, Poland), Jellien Makonga-Braaksma (Woudenberg, Netherlands)

OA301	**LATE-BREAKING ABSTRACT: Ultrasound capnography: A simple and indirect way to assess airways resistance** Paolo Ruggeri (Messina, Italy), Paolo Ruggeri, Salvatore Calcaterra, Francesco Nucera, Irene Coppolino, Giuseppe Girbino

OA302	**The impact of gas analysis technique on the measurement of single breath gas transfer (TLCO)** Joanna Shakespeare (Coventry, United Kingdom), Joanna Shakespeare, Natalie O'Reilly, Rhian Hughes, David Parr
OA303	**Postural change in lung capillary blood volume is less in pulmonary hypertension (PH) compared to healthy controls** Patrick Jak (Amsterdam, Netherlands), Jerica Sinkeldam, Ivo Van der Lee, Herman Groepenhoff, Patrick Jak
OA304	**Non-invasive measures to detect ventilatory limitation during exercise** Kevin De Soomer (Antwerp, Belgium), Kevin De Soomer, Karlien Van Den Eynde, Pjotr Even, Wilfried De Backer, Ellie Oostveen
OA305	**Decisive factors during treadmill and cycle exercise in patients with chronic obstructive pulmonary disease** María Alfonso Imizcoz (Pamplona, Spain), María Alfonso, Pilar Cebollero, Juan Bautista Gáldiz Iturri, Sonia Herrero, Vanesa López, Milagros Antón, Javier Hueto
OA306	**Validation of the oxygen uptake efficiency slope in children with cystic fibrosis and tetralogy of Fallot** Paul Burns (Glasgow, United Kingdom), Paul D. Burns, James Y. Paton, Caroline King, Patrick Jamieson
OA307	**Effect of posture on lung clearance index (LCI) and lung volumes in children with early stage cystic fibrosis lung disease** Laurie Smith (Sheffield, United Kingdom), Laurie Smith, Felix Horn, Helen Marshall, Ina Aldag, Chris Taylor, Jim Wild, Alex Horsley
OA308	**FEV1 predictions from NHANESIII and ERS/GLI12 differ significantly** Olinto Linares (Murray, United States of America), Olinto Linares Perdomo, Dave Collingridge, Matthew Hegewald, Robert L. Jensen, John Hankinson, Alan Morris

Room E104-106 Session 61 08:30 - 10:30

Poster discussion: Sedation and educational issues in bronchoscopy: basic bronchoscopic techniques

Chairs : Lars Konge (Virum, Denmark), Prashant Nemichand Chhajed (Mumbai, India)

PA309	**Bronchoscopic evaluation of the lower airways in patients with persistent severe asthma** Carmen Angela Centeno Clemente (Barcelona, Spain), Carmen Centeno Clemente, Carla Torres, Felipe Andreo, Carlos Martínez Rivera, David Ramos Barbón, Gloria Bonet Papell, Anna Plana Bonamaisó, Sebastián Gagatek, José Sanz Santos, Juan Ruiz Manzano
PA310	**Clinical and pathological characteristics of patients with bronchial anthracosis and anthracofibrosis** Ülkü Aka Aktürk (Istanbul, Turkey), Ulku aka Akturk, Nagihan Durmus Kocak, Aysun Sengul, Selahattin Oztas, Elif Yelda Niksarlioglu, Murat Kavas, Feyyaz Kabadayi, Dilek Yavuz, Dilek Ernam
PA311	**Comparative study between different methods of aliquots suction during bronchoalveolar lavage** Ayman Baess (Alexandria, Egypt), Mohamed Atta, Ayman Baess, Reham Moftah, Ebtesam Abomandour
PA312	**Preliminary results from a prospective randomized trial comparing manual vs wall suction in the performance of bronchoalveolar lavage (BAL)** María del Valle Somiedo Gutiérrez (Madrid, Spain), María del Valle Somiedo, Luis Seijo, Felipe Campo, Iker Fernández-Navamuel, Javier Flandes
PA313	**Diagnostic value of conventional transbronchial needle aspiration without an on-site cytopathologist: Experience of 363 procedures** Abdulsamet Sandal (Ankara, Turkey), Ozge Ozturk, Abdulsamet Sandal, Sevilay Karahan, Berrin Er, Sevgen Onder, Deniz Koksal, Emin Maden, Salih Emri
PA314	**Efficacy of conventional TBNA in patients with mediastinal adenopathies - A role of cytopathologist** Ilya Sivokozov (Moscow, Russian Federation), Ilya Sivokozov, Eduard Artemkin, Andrey Zaytsev, Galina Evgushenko, Dmitry Dedushkin
PA315	**Effectiveness of simulation with virtual reality in bronchoscopy training** Ediva Myriam Borriello (Naples, Italy), Ediva Myriam Borriello, Francesca Allidi, Irene Bellesi, Stefano Orsi, Lorenzo Corbetta
PA316	**Rigid bronchoscopy-essential experience for respiratory trainees?** Shruthi Konda (London, United Kingdom), Shruthi Konda, Srividya Narayan, Praveen Molanguri, Brendan Madden
PA317	**Learning EBUS-TBNA – A 6-year experience at a single institution** Sveinung Sørhaug (Trondheim, Norway), Sveinung Sørhaug, Harald Hjelde, Peter Hatlen, Håkon Olav Leira, Bjarte Nesvik, Raymond Hollund, Majid Salarinejad, Kristin Nesgård, Dag Ole Nordhaug, Tore Amundsen

PA318	**Tracheal oxygen supplementation during flexible bronchoscopy: A pilot study** Jonas Yserbyt (Leuven, Belgium), Jonas Yserbyt, Nikolaas De Maeyer, Christophe Dooms, Vincent Ninane
PA319	**Assessment of patients' satisfaction with flexible bronchoscopy: Initial Egyptian experience** Ashraf Madkour (Cairo, Egypt), Ashraf Madkour, Nehad Osman, Samar Sharkawy, Ashraf Gomaa
PA320	**Feasability of flexible bronchoscopy under sedation without local anaesthesia of the pharynx** Maik Häntschel (Tübingen, Germany), Maik Häntschel, Ahmed Ehab, Michael Böckeler, Almut Oberle, Werner Spengler, Mariella Zahn-Paulsen, Hubert Hautmann, Jürgen Hetzel
PA321	**Sedation regimens comparison during flexible bronchoscopy: Dexmedetomidine, alfentanil and lidocaine** Moussa Riachy (Beirut, Lebanon), Moussa Riachy, Georges Khayat, Ihab Ibrahim, Zeina Aoun-Bacha, Georges Dabar, Taha Bazarbachi, Nadine Khalil, Bassem Habr
PA322	**Comparison of comfort scores comparing bronchoscopy with conscious sedation or anaesthetist controlled sedation; a randomised prospective trial** Timothy Edwards (Brisbane, Australia), Joseph Churton, Timothy Edwards, David Fielding, Farzad Bashirzadeh, Andrew Pattison
PA323	**Conscious sedation during flexible bronchoscopy: A nationwide survey in Switzerland** Thomas Gaisl (Zurich, Switzerland), Thomas Gaisl, Malcolm Kohler, Ludwig Heuss, Marco Zalunardo, Daniel Bratton, Martin Frey, Daniel Franzen
PA324	**Prospective randomized trial evaluating ketamine for adult bronchoscopy** Oren Fruchter (Tel-Aviv, Israel), Oren Fruchter, Yair Manevich, Uri Carmi, Dror Rosengarten, Mordechai Kramer
PA325	**Features and safety of deep sedation in endosonography. Comparative study between the airway and the esophageal route** Eli Nancy Perez Rodas (Barcelona, Spain), Eli Nancy Perez Rodas, Carmen Centeno Clemente, Felipe Andreo Garcia, Enrique Cases Viedma, Pere Vila Caral, Jose Sanz Santos, Andres Briones Gomez, Carlos Martinez Rivera, Pere Serra Mitja, Juan Ruiz Manzano
PA326	**Satisfaction of patients and operators from sedation in EBUS-TBNA; the 'SEDATE' study** Georgia Hardavella (London, United Kingdom), Georgia Hardavella, Claire McCann, Laura Succony, Ricardo Jose, Ricky Thakrar, Sam Janes, Sarah Chieveley-Williams, Neal Navani

Room G102-103 Session 62 08:30 - 10:30

Poster discussion: Kaleidoscope of nursing research

Chairs : Anne-Marie Russell (Holmfirth, West Yorkshire, United Kingdom), Birthe Dahl Hellquist (Risskov, Denmark)

PA327	**Feasibility of a new individualized nursing care intervention in COPD, the COPD-GRIP intervention** Saskia Weldam (Utrecht, Netherlands), Saskia Weldam, Jan-Willem Lammers, Marieke Zwakman, Marieke Schuurmans
PA328	**Patient perspectives of the COPD-GRIP intervention, a new nursing care intervention in COPD** Marieke Zwakman (Utrecht, Netherlands), Marieke Zwakman, Saskia Weldam, Jan-Willem Lammers, Marieke Schuurmans
PA329	**Palliative care for people with COPD: A neglected area in the primary sector** Camilla Askov Mousing (Randers SØ, Denmark), Camilla Askov Mousing, Helle Timm, Marit Kirkevold, Kirsten Lomborg
PA330	**The experiences of spouses as informal caregiver of patients with severe chronic obstructive pulmonary disease** Dorthe Bove (Hellerup, Denmark), Dorthe Gaby Bove, Ann-Britt Zakrisson, Julie Midtgaard, Kirsten Lomborg, Dorthe Overgaard
PA331	**Patient rated WHO functional class and psychological distress are strongly associated with dyspnoea in pulmonary hypertension** Janelle Yorke (Manchester, United Kingdom), Janelle Yorke, Iain Armstrong, Christi Deaton, Malcolm Campbell, Mark Pilling, Linda McGowan, Paul Sephton
PA332	**The value of a specialist nurse-lead interstitial lung disease clinic, patients' views** Geraldine A. Burge (Solihull, United Kingdom), Geraldine Burge, Vicky Moore
PA333	**Development of the interstitial lung disease multidiciplinary team meeting 2005-2013** Sherwood Burge (Solihull, United Kingdom), Geraldine Burge, Salman Ghani, Dimitrina Petkova, John Reynolds, Madava Djearman, Shahid Hussain, Ed Hoey, Simon Trotter, Gerald Langman, Abdul Faizal, Sherwood Burge
PA334	**Is repeated education about small volume nebulizer aerosol, by an expert respiratory nurse to colleagues, needful?** Daniel Schuermans (Brussels, Belgium), Daniel Schuermans, Pascale Oumaziz, Fatima Snoussi, Annemie Schoonis, Geert Celis

PA335	**A research approach to practice change: Competency-based orientation for intensive care nurses (CORE-ICU): Supported by BHPr/HRSA)/DHHS under 5 D11HP09553-05-00 grant** Georgia Narsavage (Morgantown, United States of America), Georgia Narsavage, Mary Fanning, Yea-Jyh Chen, Members of CORE-ICU Team
PA336	**How does asthma affect the day-to-day life of sufferers?** Michele Dunne (Dublin, Ireland), Michele Dunne, Mary Hughes
PA337	**The prevalence and impact of cannabis smoking in clinical trial patients with chronic obstructive pulmonary disease** Wai Yee James (London, United Kingdom), Wai Yee James, Neil Barnes, Ian Stone
PA338	**Identifying undiagnosed COPD through searches of UK routine primary care databases** Kate Lippiett (Winchester, United Kingdom), Kate Lippiett, Kate Gillett, Jayne Longstaff, Carla Astles, Lucy Rigge, Rachel Dominey, Kimm Lawson, Andy Powell, Anoop Chauhan, Mike Thomas, Tom Wilkinson
PA339	**Patients' perception on long-term domiciliary oxygen therapy** Ilda Godoy (Botucatu, Brazil), Giovanna H. Bueno, Irma Godoy, Ilda Godoy

Room G104-105 Session 63 08:30 - 10:30

Poster discussion: Occupational factors in COPD and bronchitis

Chairs : Carl Reynolds (Fareham, United Kingdom), Chair to be confirmed

PA340	**LATE-BREAKING ABSTRACT: Breathtaking jobs: Respiratory work disability by occupation in a sample from the general population in Norway** Anne Kristin Moller Fell (Skien, Norway), Anne Kristin M. Fell, Regine Abrahamsen, Paul K. Henneberger, Martin V. Svendsen, Kjell Torèn, Johny Kongerud
PA341	**Remote secondhand smoke exposure is associated with progressive airflow limitation during exercise** Jeroen Geerts (Nijmegen, Netherlands), Jeroen Geerts, Wendy Ching, Sarah Dalton, Warren Gold, Mehrdad Arjomandi
PA342	**Prevalence of chronic obstructive pulmonary disease (COPD) amongst farmers in rural India** Rahul Kodgule (Pune, India), Jyoti Londhe, Rahul Kodgule, Sanjay Juvekar, Sapna Madas, Anurag Agrawal, Sundeep Salvi
PA343	**Occupational organic dust exposure and risk of chronic obstructive pulmonary disease (COPD) in Denmark** Anne Vested (Aarhus C, Denmark), Anne Vested, Ioannis Basinas, Gunnar Toft, Hans Kromhout, Torben Sigsgaard, Henrik Albert Kolstad, Ane Marie Thulstrup, Inge Wouters, Dick Heederik, øyvind Omland, Gitte Jacobsen, Vivi Schlünssen
PA344	**Irish farmers lung health study- A study of the respiratory health of the Irish farming population** Breda Cushen (Kilkenny, Ireland), Breda Cushen, Noreen Donoghue, Donna Langan, Tara Cahill, Eimear Nic Donnacha, Olivia Healy, Fiona Keegan, Mark Browne, Imran Sulaiman, Anthony O'Regan
PA345	**The effect of occupational farming on lung function development in young adults: A 15 year follow-up study** Anneli Clea Bolund (Aarhus C, Denmark), Anneli C.S. Bolund, Martin R. Miller, Ioannis Basinas, Grethe Elholm, øyvind Omland, Torben Sigsgaard, Vivi Schlünssen
PA346	**Occupational exposure and 4-year incidence of COPD among 45-84-year old Danes** Else Würtz (Tjele, Denmark), Else Würtz, Vivi Schlünssen, Tine Malling, Charlotte Brasch-Andersen, Jens Georg Hansen, øyvind Omland
PA347	**Chronic bronchitis and COPD among textile workers in Pakistan: Findings from a cross-sectional survey** Ambreen Sahito (Karachi, Pakistan), Asaad Ahmed Nafees, Zafar Fatmi, Muhammad Masood Kadir, Nalini Sathiakumar, Ambreen Sahito
PA348	**Work-related COPD risk in the population-based UK Biobank cohort study** Sara De Matteis (London, United Kingdom), Sara De Matteis, Debbie Jarvis, Sally Hutchings, Lesley Rushton, Paul Cullinan
PA349	**Chronic cough and phlegm in relation to occupational exposures in a prospective cohort study (ECRHS III)** Theodore Lytras (Acharnes, Greece), Theodore Lytras, Hans Kromhout, Josep Maria Antó, Per Bakke, Geza Benke, Paul Blanc, Sandra Dorado, Johan Hellgren, Mathias Holm, Deborah Jarvis, Amar Jayant Mehta, David Miedinger, Maria C. Mirabelli, Dan Norbäck, Mario Olivieri, Vivi Schlünssen, Isabel Urrutia, Simona Villani, Manolis Kogevinas, Jan-Paul Zock
PA350	**Spirometry in industrial workers for the early detection of COPD** Tatsiana Rybina (Minsk, Belarus), Tatsiana Rybina, Volha Kardash, Igar Manichev, Victar Scherbitzky

PA351	**Molecular and cytological features of occupational chronic obstructive pulmonary disease in subjects exposed to different environmental factors** Lioubov Shpagina (Novosibirsk, Novosibirsk Oblast, Russian Federation), Lioubov Shpagina, Olga Kotova, Ilya Shpagin, Oksana Gerasimenko
PA352	**Effect of biomass exposure on lung function** Baran Balcan (Istanbul, Turkey), Baran Balcan, Selcuk Akan, Berrin Ceyhan
PA353	**Workplace exposures as risk factors for COPD, asthma and allergic rhinitis in Turkey (WORK-CAT study)** Emel Kurt (Eskisehir, Turkey), Emel Kurt, Ahmet Ugur Demir, Peri Arbak, Fatma Evyapan, Tarkan Ozdemir, Unal Sahin, Elif Yilmazel Ucar
PA354	**Knowledge, attitude and practice regarding occupational COPD among the pulmonologists and other physicians** Marta Wiszniewska (Lodz, Poland), Marta Wiszniewska, Aneta Kleniewska, Diana Tymoszuk, Agnieszka Lipinska-Ojrzanowska, Jolanta Walusiak-Skorupa
PA355	**A new web-based tool to collect and code lifetime job-histories in large population-based studies** Sara De Matteis (London, United Kingdom), Sara De Matteis, Debbie Jarvis, Magda Wheatley, Alan Young, Heather Young, Lesley Rushton, Paul Cullinan
PA356	**Asthma, COPD and the risk of disability pension - 11 year register-based follow-up study** Irmeli Lindstrom (Helsinki, Finland), Irmeli Lindström, Ritva Luukkonen, Tuula Vasankari, Merja Kanervisto, Markku Heliövaara, Annette Kainu, Paula Pallasaho
PA357	**Future job instability in older workers can be predicted by breathlessness and airflow obstruction** Joanna Szram (London, United Kingdom), Joanna Szram, Susan Schofield, Paul Cullinan

Room G106-107 Session 64 08:30 - 10:30

Poster discussion: Bronchiectasis and NTM infections: clinical aspects and research outlook

Chairs : Michael Loebinger (London, United Kingdom), Felix C. Ringshausen (Hannover, Germany)

PA358	**Non CF-bronchiectasis: Aetiologic, clinical, radiological, microbiological and functional profile in a Greek population** Christina Triantafyllidou (Athens, Greece), Christina Triantafillidou, Michail Toumbis, Petros Bakakos, Kyriaki Tsikritsaki, Adamantia Liapikou, Katerina Malagari, Katerina Dimakou
PA359	**Hacettepe University experience: Clinical evaluation of 218 primary ciliary dyskinesia patients** Nagehan Emiralioglu (Ankara, Turkey), Nagehan Emiralioglu, Ugur özçelik, Ebru Yalçin, Deniz Dogru Ersöz, Nural Kiper
PA360	**Atorvastatin as an anti inflammatory in bronchiectasis** Pallavi Bedi (Edinburgh, United Kingdom), Pallavi Bedi, James Chalmers, Adriano Rossi, Adam Hill
PA361	**Effectiveness and adherence to treatment with nebulized colistimethate sodium (Promixin®) in non-cystic fibrosis bronchiectasis colonized by pseudomonas aeruginosa (PsA)** Rocio Jimeno Galvan (Algeciras, Spain), Rocío Jimeno, Belén Navas, Jose Manuel Vaquero, Francisco Casas, Alicia Padilla, Enrique Gonzzlez-Moya, Manuel Arenas, Juan Carlos Bioque, Jose Luis López-Campos, Soledad Cano, Silvia Merlos, Agustin Valido
PA362	**Audit investigating self-management of bronchiectasis at University Hospital Llandough, Wales** Sabena Ali (Bristol, United Kingdom), Sabena Ali, Jamie Duckers, Dawn Lau
PA363	**A single isolation of pseudomonas aeruginosa predicts poor quality of life and increased exacerbation frequency in adult bronchiectasis** james hill (Dundee, United Kingdom), James Hill, Duncan Renton, Hani Abo-Leyah, Megan Crichton, Simon Finch, Thomas Fardon, James Chalmers
PA364	**The impact of acute air pollution fluctuations on non-cystic fibrosis bronchiectasis pulmonary exacerbations: A case-crossover analysis** Pieter Goeminne (Bornem, Belgium), Pieter Goeminne, Pallavi Bedi, Michal Kicinski, Lauren Richardson, Kees De Hoogh, Ben Nemery, Tim Nawrot, Michael Loebinger, Adam Hill, Lieven Dupont
PA365	**DLCO predicts disease severity and mortality in patients with non-cystic fibrosis bronchiectasis** Melissa McDonnell (Galway, Ireland), Melissa McDonnell, Michael O'Mahony, David Breen, J.J. Gilmartin, Anthony O'Regan, Robert Rutherford
PA366	**Increased disease severity and mortality associated with the Bronchiectasis-GORD phenotype** Melissa McDonnell (Galway, Ireland), Melissa McDonnell, O'Mahony Michael, Breen David, O'Regan Anthony, Rutherford Robert

PA367 **Exacerbations and pneumonia in bronchiectasis: Clinical and microbiological characterization**
Victoria Alcaraz Serrano (Barcelona, Spain), Victoria Alcaraz, Eva Polverino, Edmundo Rosales, Rosa Maria Giron, Rosario Mendendez, Montserrat Vendrell, Antoni Torres

PA368 **Nontuberculous mycobacteria in the Danish population, incidence rate and clinical importance during 24 years**
Thomas Stig Hermansen (Rødovre, Denmark), Thomas Hermansen, Troels Lillebaek, Erik Svensson, Pernille Ravn

PA369 **Patterns of isolation and drug sensitivity in non-tuberculous mycobacteria**
Steven Cowman (London, United Kingdom), Steven Cowman, Burns Katie, Benson Susan, Wilson Robert, Loebinger Michael

PA370 **The value of rapid speciation of nontuberculous mycobacteria (NTM) by matrix-assisted laser desorption ionization time-of-flight mass spectrometry (MALDI-TOF)**
Neeraj Shah (New Malden, United Kingdom), Neeraj Shah, Rebecca Gorton, Jennifer Canizales, Gina Birch, Timothy McHugh, Marc Lipman

PA371 **Amikacin (AMK) minimum inhibitory concentrations (MICs) and mutational resistance in patients with treatment-refractory nontuberculous mycobacteria (NTM) lung disease (LD) treated with liposomal amikacin for inhalation (LAI)**
Kenneth N. Olivier (Bethesda, United States of America), Kenneth N. Olivier, Gina Eagle, John P. McGinnis II, Liza Micioni, Barbara A. Brown-Elliott, Richard J. Wallace, Jr.

PA372 **Feasibility study for a randomized controlled trial of pseudomonas aeruginosa eradication treatment in patients with bronchiectasis**
Hani Abo-Leyah (Stirling, United Kingdom), Hani Abo-Leyah, Marilyn Clark, James Hill, Thomas Fardon, James Chalmers

PA373 **Patients in randomized clinical trials of bronchiectasis are only partially representative of clinical practice: A European cohort study**
James D. Chalmers (Perth, United Kingdom), James Chalmers, Melissa McDonnell, Pieter Goeminne, John Davidson, Robert Rutherford, Megan Crichton, Thomas Fardon, Adam Hill, Lieven Dupont, Stefano Aliberti, Anthony De-Soyza

PA374 **Heterogeneity in bronchiectasis service provision in Europe: Baseline data from the European bronchiectasis registry (EMBARC)**
James D. Chalmers (Perth, United Kingdom), James Chalmers, Eva Polverino, Anthony De Soyza, Felix Ringshausen, Marlene Murris, Wim Boersma, Antoni Torres, Montserrat Vendrell, J. Stuart Elborn, Francesco Blasi, Stefano Aliberti, On Behalf of the EMBARC Clinical Research Collaboration

Room 13.2 Session 65 08:30 - 10:30

Poster discussion: Mucosal immunology: what's new in 2015

Chairs : Mark Gjomarkaj (Palermo, Italy), Sukhwinder Singh Sohal (Launceston, Australia)

PA375 **Impaired monocyte chemotaxis in COPD**
Arjun Ravi (Greater Manchester, United Kingdom), Arjun Ravi, Jonathan Plumb, Jonathan Lemon, George Booth, Jorgen Vestbo, Dave Singh

PA376 **The identification of distinct immunophenotypical subgroups in a COPD patient population based on predominating T-lymphocyte subsets**
Mona Bafadhel (Oxford, United Kingdom), Svenja Pahlke, Bart Hilvering, Samantha Thulborn, Mona Bafadhel

PA377 **Alveolar macrophages phenotype in patients with asthma and its combination with gastroesophageal reflux disease with pulmonary manifestations**
Igor Malyshev (Fort Lee, United States of America), Igor Malyshev, Svetlana Lyamina, Georgy Yurenev, Igor Maev

PA378 **Severe asthma is characterised by high levels of CRTH2 expressing cells in peripheral blood**
Bart Hilvering (Utrecht, Netherlands), Bart Hilvering, Linda Stoeger, Svenja Pahlke, Luzheng Xue, Ian Pavord

PA379 **Enhanced neutrophil extracellular trap (NET) formation in sputum of stable COPD patients**
Frauke Pedersen (Großhansdorf, Germany), Frauke Pedersen, Sebastian Marwitz, Torsten Goldmann, Anne Kirsten, Helgo Magnussen, Klaus F. Rabe, Mohib Uddin, Henrik Watz

PA380 **Monocyte-derived macrophages from non-smoker COPD subjects exhibit defective bacterial phagocytosis**
Baishakhi Ghosh (Bengaluru, India), Baishakhi Ghosh, Kanchan Pyasi, Jyoti Londhe, Sushma Jadhav, Sapna Madas, Bill Brashier, Sundeep Salvi, Peter Barnes, Louise Donnelly

PA381 **Chymase-positive mast cells represent a major source for IL-17A in airway inflammation**
Premkumar Siddhuraj (Lund, Sweden), Premkumar Siddhuraj, Anders Bergqvist, Michiko Mori, Leif Bjermer, Jonas Erjefält

PA382	**NKT cells in systemic inflammation in the obstructive sleep apnoea syndrome (OSAS)** Aleksandra Piechuta (Warsaw, Poland), Joanna Domagala-Kulawik, Iwona Osinska, Aleksandra Piechuta, Piotr Bielicki, Tomasz Skirecki
PA383	**Monocyte sub-populations do not reflect differences in COPD macrophage phenotype** Amy Day (London, United Kingdom), Amy Day, Peter Barnes, Louise Donnelly
PA384	**Mapping of eosinophil and basophils in COPD lung tissues** Prajakta Jogdand (Lund, Sweden), Prajakta Jogdand, Michiko Mori, Anders Bergqvist, Andrew Walls, Caroline Sanden, Jonas Erjefält
PA385	**T regulatory cells: Immunomodulation by budesonide and formoterol on COPD patients** Francesco Balbi (Genes, Italy), Alessandra Chiappori, Chiara Folli, Francesco Balbi, Emanuela Caci, Gianni Melioli, Fulvio Braido, Giorgio Walter Canonica
PA386	**LSC Abstract – Regulation of regulatory T cell (Treg) function by cAMP-responsive element binding protein (CREB) and upstream microRNAs** Sabine Bartel (Borstel, Germany), Sabine Bartel, Marc Kästle, Elfriede Noessner, Oliver Eickelberg, Susanne Krauss-Etschmann
PA387	**Elevated mitochondrial reactive oxygen species in COPD macrophages at exacerbation** Kylie Belchamber (London, United Kingdom), Kylie Belchamber, Richa Singh, Jadwiga Wedzicha, Peter Barnes, Louise Donnelly
PA388	**Differential cigarette smoke and H_2O_2 induced cytokine release from macrophages in COPD** Adam Loveridge (London, United Kingdom), Adam Loveridge, Jo Ann Rhodes, Peter Barnes, Louise Donnelly
PA389	**Activation of the NOTCH signaling pathway stimulates migration of human B-lymphocytes** Astrid Holzer (Innsbruck, Austria), Astrid Holzer, Kathrin Watzinger, Christian M. Kähler
PA390	**Prostaglandin E_2 inhibits NLRP3 inflammasome activation through EP4 receptor and intracellular cAMP in human macrophages** Milena Sokolowska (Bethesda, United States of America), Milena Sokolowska, Li-Yuan Chen, Yueqin Liu, Asuncion Martinez-Anton, Hai-Yan Qi, Carolea Logun, Sara Alsaaty, Yong Hwan Park, Daniel L. Kastner, Jae Jin Chae, James H. Shelhamer
PA391	**Prolonged emphysema development is caused by irreversible iBALT following smoking cessation in a cigarette smoke-induced COPD mouse model** Gerrit John-Schuster (Neuherberg, Germany), Gerrit John-Schuster, Katrin Hager, Oliver Eickelberg, Ali önder Yildirim
PA392	**Priming of inflammatory cells with NOTCH ligands stimulates migration** Kathrin Watzinger (Innsbruck, Austria), Kathrin Watzinger, Christian M. Kaehler

Room E102 Session 66 08:30 - 10:30

Poster discussion: COPD: interesting notes

Chairs : Otto Chris Burghuber (Vienna, Austria), Marieke L. Duiverman (Gasselte, Netherlands)

PA393	**LATE-BREAKING ABSTRACT: Phenotypes of COPD in central and Eastern Europe - The POPE study** Vladimir Koblizek (Prague, Czech Republic), Vladimir Koblizek, Ruzena Tkacova, Attila Somfay, Branislava Milenkovic, Adam Barczyk, Kirill Zykov, Neven Tudoric, Kosta Kostov, Zuzana Zbozinkova, Jan Svancara, Jurij Sorli, Alvis Krams, Marc Miravitlles, Arschang Valipour
PA394	**Myocardial ischemia in patients (pts) with COPD and stable angina during 24-hour ambulatory Holter ECG monitoring** Olexandr Fesenko (Dnipropetrovsk, Ukraine), Tetyana Pertseva, Olexandr Fesenko
PA395	**Does serum uric acid levels predict in-hospital mortality in severe COPD exacerbations?** Begüm Ergan (Izmir, Turkey), Recai Ergun, Begum Ergan
PA396	**Increased serum level of apelin in chronic obstructive pulmonary disease** Ceylan Ayada (Kütahya, Turkey), Ceylan Ayada, ümran Toru, Osman Genç, Server Sahin, özlem Arik, Ismet Bulut
PA397	**Innovations in differentiation of pulmonary and cardiac dyspnea genesis** Olga Paraeva (Barnaul, Altay Krai, Russian Federation), Tatiana Martynenko, Olga Paraeva, Sergey Dronov, Yakov Shoyhet
PA398	**CAT' or 'mMRC' – Which is a better symptom scale in recent GOLD COPD classification?** Anantharaj Suresh (Chennai, India), Anantharaj Suresh, Sindhuja Giritharan

PA399	**Automatic interactive system of bronchial obstructive diseases risk evaluation "electronic polyclinic"** Vitaly Mishlanov (Perm, Russian Federation), Vitaliy Mishlanov, Vladimir Nedugov, Ekaterina Sivyak, Lilia Glavatskykh, Yaroslav Mishlanov, Anastasia Katkova
PA400	**Evaluation of airway sGaw in Japanese COPD patients treated with triple therapy using salmeterol/fluticasone propionate 50/250 and tiotropium bromide** Takio Takaku (Ibaraki, Japan), Takio Takaku, Takefumi Saito, Akinori Takeda, Katsuji Hashimoto, Akihiro Kobayashi, Tomoyuki Hayamizu, Gerald Hagan
PA401	**Echocardiographic assessment of cardiac function in patients with chronic obstructive pulmonary disease** Olga Kharevich (Minsk, Belarus), Kharevich Olga, Lapteva Irina, Lapteva Elena, Koroleva Elena, Grigorovich Irina
PA402	**Features of the bronchial mucosa in heavy smokers with and without chronic obstructive pulmonary disease** Ivan Kremis (Tomsk, Russian Federation), Ekaterina Bukreeva, Elena Gereng, Ivan Kremis
PA403	**Risk factors of poor outcomes after admission for a COPD exacerbations. Multivariate logistic predictive models** Juan Luis García Rivero (Mompía (Santa Cruz de Bezana)-Cantabria, Spain), Juan Luis Garcia-Rivero, Cristina Esquinas, Miriam Barrecheguren, Patricia Garcia-Sidro, Elsa Naval, Carlos Martinez, Rosa Malo de Molina, P.J. Marcos, J.M. Diez, Alberto Herrejón, J.A. Ros, Sagrario Mayoralas, Manuel Valle, Marc Miravitlles
PA404	**Risk factors of bronchial hyperresponsiveness in COPD** Irina Trofimenko (Irkutsk, Irkutsk Oblast, Russian Federation), Irina Trofimenko, Boris Chernyak
PA406	**End of life care in oxygen-dependent chronic obstructive pulmonary disease and cancer: A national population based study** Zainab Ahmadi (Karlskrona, Sweden), Zainab Ahmadi, Staffan Lunström, Christer Janson, Margareta Emtner, Peter Strang, David Currow, Magnus Ekström
PA407	**Inflammatory serum profiles are consistent across independent exacerbations in COPD patients with a history of frequent exacerbations** Alexander Mackay (London, United Kingdom), Alexander Mackay, Matthew Loza, Patrick Branigan, Siobhan George, Gavin Donaldson, Frederic Baribaud, Jadwiga Wedzicha
PA408	**In hospitalized COPD exacerbation (COPDE) patients a 30-day readmission is associated with a progressive increased risk of mortality** Mónica Guerrero Perez (Odena, Spain), Monica Guerrero, Ernesto Crisafulli, Adamantia Liapikou, Arturo Huerta, Albert Gabarrus, Nestor Soler, Antoni Torres
PA409	**Correction of endothelial dysfunction in patients with COPD and concomitant arterial hypertension** Zara Nersesyan (Moscow, Russian Federation), Zara Nersesyan, Svetlana Ovcharenko, Tatyana Morozova
PA410	**Influence of hospitalizations because of COPD exacerbation in the six-minute walk test (6MWT)** Amaia Aramburu Ojembarrena (Galdakao, Spain), Amaia Aramburu, Amaia Garcia, Cristobal Esteban, Ane Anton, Francisco Javier Moraza, Myriam Aburto, Alberto Capelastegui

Room 7.1 Session 71 10:45 - 12:45

Grand round: Paediatrics - an interactive session

Covering typical and difficult clinical questions

Aims : To present paediatric cases with respiratory problems and typical and difficult clinical questions. The audience will be engaged in discussions about the best clinical care for these cases and will receive an update in paediatric respiratory medicine.

Track(s) : Paediatric

Target audience : Paediatricians and, other clinically active colleagues.

Chairs : Ernst Eber (Graz, Austria), Paulo Marcio Condessa Pitrez (Porto Allegre, Brazil)

10:45	**A child with persistent tachypnoea** Monika Gappa (Wesel, Germany)	**437**
11:15	**Digital clubbing in a 5 year-old boy** Grazia Fenu (Florence, Italy)	**438**
11:45	**When you hear hoofbeats, think of horses not zebras** Sanne Kloosterman (Rotterdam, Netherlands)	**439**
12:15	**A previously uncharacterised cause for a neonate with respiratory distress** Colin Wallis (London, United Kingdom)	**440**

Room 7.2 Session 72 10:45 - 12:45

Session: Obstructive sleep apnoea in adults and children

introducing the Cournand Lecture on inflammatory pathway activation by intermittent hypoxia

Aims : To discuss how to recognise the child at risk for sleep-disordered breathing and the associated morbidity, summarise the value of polysomnography and other objective methods in determining severity of sleep-disordered breathing, present a stepwise treatment approach and compare diagnosis and management of sleep-disordered breathing in children and adults.

Track(s) : Sleep

Target audience : Respiratory physicians with an interest in paediatric OSAS, paediatric respiratory physicians, sleep medicine specialists and general paediatricians.

Chairs : Maria Bonsignore (Palermo, Italy), Refika Hamutcu Ersu (Istanbul, Turkey)

10:45	**Cournand lecture - Inflammatory pathway activation by intermittent hypoxia in obstructive sleep apnoea** Silke Ryan (Dublin, Ireland)	**441**
11:25	**ERS Statement: Obstructive sleep-disordered breathing in children 2-18 years old. Risk factors, associated morbidity, predictors of persistent disease and assessment of disease severity** Athanasios G Kaditis (Athens, Greece)	**442**
11:52	**Obstructive sleep-disordered breathing in children 2-18 years old: indications for treatment, stepwise treatment approach and recognition and management of persistent disease** Stijn Verhulst (Antwerp, Belgium)	**443**
12:19	**Diagnosis and management of OSAS in children and adults: similarities and differences** Renata L. Riha (Edinburgh, United Kingdom)	**444**

Room Elicium 2 Session 73 10:45 - 12:45

Symposium: Practising personalised medicine: why, when, and how?

Aims : To provide novel clinical insights in personalised medicine strategies for important pulmonary diseases, describe new and promising concepts relating to these diseases for the near future and discuss the impact of these developments on clinical practice and healthcare system finances.

Tag(s) : Clinical

Target audience : Scientists, clinician-scientists, and pulmonary physicians.

Chairs : Catherine Greene (Dublin, Ireland), Claus Vogelmeier (Marburg, Germany)

10:45	**COPD: can we improve treatment?** Alvar Agusti Garcia-Navarro (Barcelona, Spain)	**445**
11:15	**Asthma: are we already there?** Ian Douglas Pavord (Oxford, United Kingdom)	**446**
11:45	**Pneumonia: one size fits all?** Bernd Schmeck (Marburg, Germany)	**447**
12:15	**Pulmonary hypertension: what can we learn from studies?** Marc Humbert (Paris, France)	**448**

Room 4.2 Session 74 10:45 - 12:45

Symposium: Air pollution health effects: from epidemiology to controlled human exposure

Aims : To update the audience about current environmental epidemiology research (specifically on air pollution) in relation to pulmonary disease and its outcomes, provide a platform for risk assessment related to air pollution levels and pulmonary disease, discuss state-of-the-art methods for gene-environment interaction analyses and epigenetics research (methylation in particular), highlight the mechanisms of disease onset and deterioration that were elucidated by controlled human exposure studies and establish an ERS platform for collaborations between epidemiologists, pulmonologists, paediatricians and experimentalists in this research area.

Track(s) : Epidemiology/Environment

Tag(s) : Translational

Target audience : Epidemiologists, public health workers, policy makers, pulmonologists, paediatricians, general practitioners, geneticists, and experimental scientists.

Chairs : Stephanie London (Research Triangle Park, United States of America), Valerie Siroux (La Tronche, France)

10:45	**Relevance of air pollution exposure and gene-environment interactions in pulmonary disease** Torben Sigsgaard (Aarhus, Denmark)	**449**

11:15	**Effects of long-term air pollution exposure on lung function in children and adults** Nicole Probst-Hensch (Basel, Switzerland)	**450**
11:45	**Epigenetics and respiratory disease: linking genes and environmental exposure** Erik Melén (Stockholm, Sweden)	**451**
12:15	**Using controlled human exposure studies to elucidate the effects of air pollution on health** Chris Carlsten (Vancouver, Canada)	**452**

Room 5.2 Session 75 10:45 - 12:45

Symposium: Robotics in pulmonology and thoracic surgery

Aims : To provide updated information regarding the current and potential role of robotics procedures in treating malignant and non-malignant disorders. Their advantages over open and VATS procedures will be described along with their limitations vs. classical techniques.

Tag(s) : Clinical

Target audience : Pulmonologists, surgeons, and thoracic oncologists.

Chairs : Gilbert Massard (Strasbourg, France), Didier Lardinois (Basel, Switzerland)

10:45	**Robotics in pulmonology and thoracic surgery: what, why, and when?** Ralph Alexander Schmid (Bern, Switzerland)	**453**
11:15	**The role of robotics in the treatment of NSCLC**	**454**
11:45	**Robotic approaches to the anterior mediastinum for thymic diseases** Jens C. Rückert (Berlin, Germany)	**455**
12:15	**Robotic vs. open vs. VATS lymphadenectomy: feasibility vs. validity** Speaker to be confirmed	**456**

Room Elicium 1 Session 76 10:45 - 12:45

Hot topics: Comorbidities in COPD and other chronic lung diseases

Aims : To describe the importance of recognising and treating comorbidities in chronic lung diseases.

Tag(s) : Clinical

Target audience : Clinicians.

Chairs : Leonardo Michele Fabbri (Modena, Italy), Bartolome R. Celli (Wellesley, United States of America)

10:45	**COPD comorbidity networks** Miguel Divo (Boston, United States of America)	**457**
11:15	**Asthma: beyond the bronchus** Minal R. Patel (Ann Arbor, United States of America)	**458**
11:45	**Comorbidities in cystic fibrosis** Barry Plant (Cork, Ireland)	**459**
12:15	**Interstitial lung diseases: the impact of comorbidities** Charlotte Hyldgaard (Åbyhøj, Denmark)	**460**

Room Forum Session 77 10:45 - 12:45

Hot topics: IPF: an airway-derived disease?
and Ceremony for the ERS Idiopathic Pulmonary Fibrosis Research Award

Aims : To describe the brand new findings in the field of IPF and to highlight their clinical implications.

Tag(s) : Translational

Target audience : Clinicians, scientists, and fellows in training.

Chairs : Melanie Koenigshoff (Munich, Germany), Luca Richeldi (Southampton, United Kingdom)

10:45	**Ceremony for the ERS Idiopathic Pulmonary Fibrosis Research Award** Antje Prasse (Hannover, Germany), Enrico Maria Clini (Pavullo, Italy)	**461**
10:55	**Shared pathways of lung development and misled repair during pulmonary fibrosis** Marco Chilosi (Verona, Italy)	**462**

11:22	**Unexpected contribution of airway-derived epithelial cells to IPF progression** Antje Prasse (Hannover, Germany)	**463**
11:49	**Unexpected results of imaging in IPF** Wim Wuyts (Rotselaar, Belgium)	**464**
12:16	**The lessons from IPF clinical trials 1991-2014** Ganesh Raghu (Seattle, United States of America)	**465**

Room 5.1 Session 78 10:45 - 12:45

Oral presentation: Adult bronchiectasis: risk factors and future perspectives

Chairs : Tobias Welte (Hannover, Germany), Eva Polverino (Barcelona, Spain)

OA466	**Idiopathic and post-infective bronchiectasis show no clinically important differences in outcomes or airway inflammatory profiles** james hill (Dundee, United Kingdom), James Hill, Duncan Renton, Hani Abo-Leyah, Megan Crichton, Simon Finch, Thomas Fardon, James Chalmers
OA467	**Impact of co-morbidities on disease severity and risk of mortality in non-cystic fibrosis bronchiectasis** Melissa McDonnell (Galway, Ireland), Melissa McDonnell, Thomas Fardon, Robert Rutherford, James Chalmers
OA468	**Determinants and assessment of excess cardiovascular risk in bronchiectasis** Aarash Saleh (London, United Kingdom), Aarash Saleh, Bessie Kwok, Jeremy Brown, John Hurst
OA469	**Thrombocytosis is associated with disease severity and outcomes in stable bronchiectasis** Duncan Renton (Dundee, United Kingdom), Duncan Renton, James Hill, Hani Abo-Leyeh, Simon Finch, Megan Crichton, Thomas Fardon, Alison Dicker, James Chalmers
OA470	**Azithromycin therapy and pseudomonas aeruginosa isolation in a non-cystic fibrosis bronchiectasis cohort** Philip Mitchelmore (Exeter, United Kingdom), Philip Mitchelmore, Louise Anning, Victoria Carnell, Sarah Jephcote, Pia Charters, Tim Crowe, Christopher Dean, Anna Lowdon, Christopher Sheldon, Nicholas Withers
OA471	**A comprehensive analysis of the impact of pseudomonas aeruginosa colonisation in adult bronchiectasis** Simon Finch (Dunfermline, United Kingdom), Simon Finch, Tom Fardon, Melissa Friel, James Chalmers
OA472	**Non-CF bronchiectasis impact on hospital admissions – Need to change the paradigm** João Henrique Cordeiro da Costa (Baguim do Monte - Gondomar, Portugal), João Cordeiro da Costa, Regina Monteiro
OA473	**Research priorities in bronchiectasis: A consensus from the European multicentre bronchiectasis audit and research collaboration (EMBARC) study group** Stefano Aliberti (Milan, Italy), Stefano Aliberti, Eva Polverino, Anthony De Soyza, Michael R. Loebinger, Rosario Menendez, Felix C. Ringshausen, Montserrat Vendrell, James D. Chalmers

Room 13.1 Session 79 10:45 - 12:45

Oral presentation: Physical activity, exercise and rehabilitation in COPD and beyond

Chairs : Fabio Pitta (Londrina, Brazil), Chris Burtin (Diepenbeek, Belgium)

OA474	**The likelihood of improving physical activity increases with better functional exercise tolerance in COPD** Matthias Loeckx (Leuven, Belgium), Matthias Loeckx, Christian Osadnik, Heleen Demeyer, Chris Burtin, Hans Van Remoortel, Daniel Langer, Wim Janssens, Thierry Troosters
OA475	**Physical activity, exercise capacity and psycho-social factors during and after pulmonary rehabilitation in COPD** Rita Priori (Cambridge, United Kingdom), Rita Priori, Marian K.J. Dekker, Maurice J.H. Sillen, Chevone M. Barretto, Privender K. Saini, Mareike Klee, Martijn A. Spruit
OA476	**Acute physiological effects of partitioning exercise on exercise workload and quadriceps fatigue during resistance exercise in COPD** Andre Nyberg (Quebec, Canada), André Nyberg, Didier Saey, Mickaël Martin, François Maltais
OA477	**Are COPD patients with fatigable quadriceps less physically active? Preliminary results** Carlos Augusto Camillo (Leuven, Belgium), Carlos A. Camillo, Christian Osadnik, Chris Burtin, Heleen Demeyer, Miek Hornikx, Wim Janssens, Thierry Troosters
OA478	**Effects of post exacerbation pulmonary rehabilitation (PEPR) on exercise tolerance, quality of life (QoL), anxiety, depression and healthcare utilisation** Agnieszka Lewko (London, United Kingdom), Agnieszka Lewko, Stephanie K.M. Harlow, Paul MacDonald, Melanie Irvin-Sellers

OA479	**Increased fitness and weight-loss are associated with improvement in daily life physical activity and clinical control in obese asthmatics: A RCT** Patricia Freitas (Sao Paulo, Brazil), Patricia D. Freitas, Palmira G. Ferreira, Aline G. Silva, Alberto Cukier, Rafael Stelmach, Regina Carvalho-Pinto, João M. Salge, Marcio C. Mancini, Milton A. Martins, Celso R.F. Carvalho
OA480	**The effects of noninvasive positive pressure ventilation on exercise tolerance in hospitalized patients with decompensated heart failure: A randomised cross-over trial** Igor Moraes (São Paulo, Brazil), Igor Moraes, Karen Kimoto, Marcos Fernandes, Samantha Grams, Wellington Yamaguti
OA481	**Physical activity and sedentary behaviour in survivors of ARDS** Jennifer Mackney (Callaghan, Australia), Jennifer Mackney, Sue Jenkins, Daniel Robins, Ken Havill, Megan Harrold, Kylie Hill

Room 2.1 Session 80 10:45 - 12:45

Oral presentation: Advances in the future treatment of COPD

Chairs : Gaetano Caramori (Ferrara, Italy), Irene Heijink (Groningen, Netherlands)

OA482	**Effect of roflumilast on exacerbations in patients with severe COPD and a prior history of hospitalization taking combination therapy** Fernando J. Martinez (Ann Arbor, United States of America), Fernando J. Martinez, Peter M.A. Calverley, Udo-Michael Goehring, Rachel Hodge, Leonardo M. Fabbri, Klaus F. Rabe
OA483	**AZD7624, an inhaled p38 inhibitor for COPD, attenuates lung and systemic inflammation after LPS Challenge in humans** Naimish Patel (Waltham, United States of America), Naimish Patel, Danen Cunoosamy, Tove Hegelund-Myrback, Rikard Pehrson, Ziad Taib, Paul Jansson, Sofia Lundin, Steven Greenaway, Graham Clarke, Leonard Siew
OA484	**Favorable human safety, pharmacokinetics and pharmacodynamics of the autotaxin inhibitor GLPG1690, a potential new treatment in COPD** Ellen van der Aar (Mechelen, Belgium), Ellen Van der Aar, Liesbeth Fagard, Julie Desrivot, Sonia Dupont, Bertrand Heckmann, Roland Blanque, Lien Gheyle, Jovica Ralic, Frédéric Vanhoutte
OA485	**TSPO a new anti-inflammatory target in the airway of COPD** Romain JEAN (Montpellier, France), Romain Jean, Estelle Bribes, Lucie Knabe, Aurélie Fort-Petit, Isabelle Vachier, Pascal Chanez, Arnaud Bourdin
OA486	**Targeted silencing of master transcription factor SPDEF to reduce mucus production in airway diseases by epigenetic editing** Juan Song (Groningen, Netherlands), Juan Song, Karolin Meyer, Loes E.M. Kistemaker, Reinoud Gosens, Pieter S. Hiemstra, Marianne Rots, Machteld Hylkema
OA487	**Anti-inflammatory effects of resveratrol analogues in cellular models of airway inflammation** Samuel C M Yeo (London, United Kingdom), Samuel C.M. Yeo, Peter S. Fenwick, Peter J. Barnes, Louise E. Donnelly
OA488	**Mitochondrial reactive oxygen species and glycolysis in airway smooth muscle cell proliferation in COPD** Charalambos Michaeloudes (London, United Kingdom), Charalambos Michaeloudes, Paul Kirkham, Ian M. Adcock, Kian Fan Chung
OA489	**Carbocisteine attenuates influenza virus A replication in the bronchoalveolar lavage fluids of virus-infected mice** Shuichiro Maruoka (Tokyo, Japan), Shuichiro Maruoka, Sotaro Shikano, Yasuhiro Gon, Kazumichi Kuroda, Kaori Soda, Eriko Tsuboi, Ikuko Takeshita, Kazufumi Shimizu, Shu Hashimoto

Room 4.1 Session 81 10:45 - 12:45

Oral presentation: Chest ultrasonography: an imaging modality with hidden features

Chairs : Cedric Van Holsbeke (Kontich, Belgium), Lavinia Davidescu (Oradea, Romania)

OA490	**The role of three-dimensional ultrasonography in the evaluation of pleural effusions** Coskun Dogan (Istanbul, Turkey), Coskun Dogan, Tolga Sinan Güvenc, Gulsen Cigsar
OA491	**Correlation of pleural effusions' grayscale sonographic parameters with fluid's analysis results** Alexander Kalkanis (Kalampaka, Greece), Alexandros Kalkanis, Charalampos Varsamas, Theodora Kerenidi, Konstantinos Gourgoulianis, Zoe Daniil
OA492	**Sensitivity of chest ultrasound in the detection of pneumonia in children** Vojko Berce (Murska Sobota, Slovenia), Vojko Berce, Natalija Podgoršek, Anja Pintaric, Matjaž Homšak, Maja Tomazin, Brigita Koren

OA493	**A combination of the Wells score with multiorgan ultrasound to stratify patients with suspected pulmonary embolism** Argyro Chatziantoniou (Heraklion, Crete, Greece), Argyro Chatziantoniou, Peiman Nazerian, Simone Vanni, Chiara Gigli, Giuseppe Francesco Sferrazza Papa, Emanuela Gambetta, Mattia Tullio, Stefano Centanni, Giovanni Volpicelli
OA494	**Lung ultrasound as first line imaging tool in pregnant women with respiratory symptoms** Fabiano Di Marco (Trezzano, Italy), Fabiano Di Marco, Maria Adelaide Roggi, Silvia Terraneo, Giulia Michela Pellegrino, Rocco Francesco Rinaldo, Giuseppina Palumbo, Gianluca Imeri, Stefano Centanni
OA495	**To demonstrate if in the emergency department the study of diaphragmatic motility with Ultrasound is useful for patients in respiratory distress (ARF)** Lucia Morelli (Naples, Italy), Lucia Morelli, Mario Guarino, Fabio Numis, Rosario Zappalà, Ilario De Sio, Antonio Schiazzano, Biagio Liccardo, Alberto Forni, Francesca Martone
OA496	**Accuracy of lung ultrasound in pleuritic chest pain: Preliminary data of a multicentric study** Argyro Chatziantoniou (Heraklion, Crete, Greece), Argyro Chatziantoniou, Giuseppe Francesco Sferrazza Papa, Stefano Centanni, Peiman Nazerian, Michele Mondoni, Fabiano Di Marco, Silvia Terraneo, Giulia Pellegrino, Mariano Scozzafava, Sara Martinenghi, Mattia Tullio, Martina Piluso, Francesco Blasi, Giovanni Volpicelli
OA497	**Pleural elastography. Evaluation of pulmonary lesions in the intensive care unit** Delgado-Cidranes Ernesto (Madrid, Spain), Delgado-Cidranes Ernesto, Tirado-Conde Gema, Fernandez-Vaquero Miguel Angel, Estrada-Blanco Zuramis

Room Emerald Session 82 10:45 - 12:45

Oral presentation: Noninvasive ventilation in acute respiratory failure: the recipe for success

Chairs : Raffaele Scala (Arezzo, Italy), Michael Dreher (Aachen, Germany)

OA498	**LATE-BREAKING ABSTRACT: A parametric procedure to compare domiciliary ventilator performances** Emeline Fresnel (Saint Etienne du Rouvray, France), Emeline Fresnel, Jean-Francois Muir, Christophe Letellier
OA499	**Randomised crossover trial of a pressure sensing visual feedback system to improve mask fitting in non-invasive ventilation (NIV)** Anne-Kathrin Brill (Bern, Switzerland), Anne-Kathrin Brill, Mohammad Moghal, Mary Morrell, Anita K. Simonds
OA500	**Hemodynamic consequences of NIV during acute respiratory failure. A prospective echocardiographic study** Bouchra Lamia (Rouen, France), Bouchra Lamia, Stephanie Van Mossevelde, Luis-Carlos Molano, Antoine Cuvelier, Jean-Francois Muir
OA501	**Respiratory intermediate care units: Noninvasive ventilation for severe acidotic patients** Juan Fernando Masa Jiménez (Cáceres, Spain), Juan F. Masa, Isabel Utrabo, Javier Gómez de Terreros, Myriam Aburto, Cristóbal Esteban, Enric Prats, Belen Nuñez, ángel Ortega-González, Luis Jara-Palomares
OA502	**Non invasive spontaneous dual ventilation in critically ill patients with chronic obstructive pulmonary disease** Khaled Hussein (Assiut, Egypt), Khaled Hussein
OA503	**Real-time measurement of transcutaneous PCO_2 vs arterial/venous PCO_2 in subjects with severe respiratory failure undergoing non-invasive ventilation on the emergency department – An observational study** Christian Horvath (St. Gallen, Switzerland), Christian Horvath, Martin Brutsche, Florent Baty, Jochen Rüdiger
OA504	**Relationship between f/VT ratio and acute respiratory acidosis in patients submitted to noninvasive mechanical ventilation (NPPV)** Antonio Sircana (Turin, Italy), Sircana Antonio, Federica Ghione, Marta Moro, Fabrizio Bottino, Nicola Glorioso, Giorgio Carbone, Benato Maria Francesca, Purro Andrea
OA505	**Better comfort and dyspnea scores with high-flow nasal cannula (HFNC) vs standard oxygen (SO) during breaks off noninvasive ventilation (NIV)** Giulia Spoletini (Milan, Italy), Giulia Spoletini, Chiara Mega, Alia Khoja, Mona Alotaibi, Francesco Blasi, Stefano Nava, Nicholas Hill

Room E104-106 Session 83 10:45 - 12:45

Poster discussion: Functional and imaging techniques for assessing lung, airway and respiratory muscles

Chairs : Andrea Aliverti (Milan, Italy), Wilfried De Backer (Edegem (Antwerp), Belgium)

PA506	**Validating a new and comfortable method of visualizing lung ventilation in animals** Volker Gross (Giessen, Germany), Oskar Seifert, Andreas Weissflog, Martin Kramer, Keywan Sohrabi, Volker Gross

PA507	**Functional Respiratory Imaging as a sensitive biomarker to assess therapeutic interventions in lung diseases** Jan De Backer (Kontich, Belgium), Jan De Backer, Wim Vos, Cedric Van Holsbeke, Francisca Ferreira, Samir Vinchurkar, Bita Hajian, Wilfried De Backer
PA508	**Impulse oscillometry measurements in adult patients with CF: Focus on reactance** Waldemar Tomalak (Rabka-Zdroj, Poland), Waldemar Tomalak, Tomasz Piorunek, Joanna Gozdzik-Spychalska, Andrzej Pogorzelski, Magdalena Kostrzewska, Halina Batura-Gabryel
PA509	**A model of extravascular lung water control** Enrico Mazzuca (Ascoli Piceno, Italy), Enrico Mazzuca, Andrea Aliverti, Giuseppe Miserocchi
PA510	**Identification of distinct ciliary beat pattern abnormalities by high-speed video microscopy in primary ciliary dyskinesia** Johanna Raidt (Münster, Germany), Johanna Raidt, Julia Wallmeier, Rim Hjeij, Jörg Große-Onnebrink, Heike Olbrich, Niki T. Loges, Petra Pennekamp, Gerard Dougherty, Karsten Häffner, Heymut Omran, Claudius Werner
PA511	**Disruption of tidal breathing in COPD by use of pneumotachograph and mouthpiece compared to non-contact measurement with structured light plethysmography (SLP)** Pierantonio Laveneziana (Paris, France), Pierantonio Laveneziana, Claudia Llontop, Marie-Cecile Nierat, Agnès Bellocq, Christian Straus, Thomas Similowski
PA512	**COPD phenotypes by high resolution computed tomography (HRCT) and ventilatory response to exercise** Veronica Alfieri (Parma, Italy), Veronica Alfieri, Gianluca Milanese, Panagiota Tzani, Marina Aiello, Mario Silva, Nicola Sverzellati, Emilio Marangio, Alfredo Chetta
PA513	**Evaluation of novel parameters of ventilation heterogeneity in asthma** Sushiladevi Natarajan (Leicester, United Kingdom), Sushiladevi Natarajan, Marcia Soares, Sherif Gonem, John Owers-Bradley, Salman Siddiqui
PA514	**Temporal variations of oscillometric reactance in COPD and ILD** Thomas Schuessler (Montreal, Canada), Thomas Schuessler, Guy Drapeau, Geoffrey Maksym
PA515	**Regional lung sound asynchrony in COPD patients** Masamichi Mineshita (Kawasaki, Japan), Masamichi Mineshita, Hirotaka Kida, Hiroshi Handa, Hiroki Nishine, Naoki Furuya, Takeo Inoue, Shin Matsuoka, Teruomi Miyazawa
PA516	**The value of diffusing capacity for nitric oxide and carbon monoxide in sickle cell disease** Arnaud Chambellan (Nantes, France), Arnaud Chambellan, Stephanie Dirou, Berangere Ricolleau, Julie Graveleau, Agathe Masseau
PA517	**Repeatability of ^{129}Xe MR methods for quantification of interstitial thickness** Neil Stewart (Sheffield, United Kingdom), Neil J. Stewart, Helen Marshall, Jim M. Wild
PA518	**Can the intra-test variability of the single breath transfer factor of carbon monoxide method (TL_{COsb}) be improved to less than 5%?** Patrick Flood-Page (Cardiff, United Kingdom), Stuart Marks, Rhys Jefferies, Patrick Flood-Page
PA519	**A novel approach to evaluate trunk geometric-motion during rest and with postural changes** Desiderio Cano Porras (Sao Paulo, Brazil), Desiderio C. Porras, Tyler Saumur, Polyana Mendes, Henrique T. Moriya, Karl Zabjek, Celso R.F. Carvalho, Dina Brooks, Sunita Mathur
PA520	**Resonant frequency as a predictor of phase III slope of nitrogen single-breath washout in asthma** Toshihiro Shirai (Shizuoka, Japan), Toshihiro Shirai, Kazutaka Mori, Tomoyoshi Tsuchiya, Masashi Mikamo, Takahito Suzuki, Eisuke Mochizuki, Shogo Sakurai, Taisuke Akamatsu, Satoru Morita, Kazuhiro Asada, Takafumi Suda
PA521	**Single breath washout as alternative to multiple breath washout in patients with primary ciliary dyskinesia (PCD)?** Sylvia Nyilas (Basel, Switzerland), Sylvia Nyilas, Anne Schlegtendal, Sophie Yammine, Carmen Casaulta, Philipp Latzin, Cordula Koerner-Rettberg
PA522	**Chest wall kinematics during exercise in patients with asthma** Guilherme Fregonezi (Rio Grande do Norte, Brazil), Guilherme Fregonezi, Matheus Larcerda, Janaina Pinto, Antonela Lo Mauro, Vanessa Resqueti, Andrea Aliverti
PA523	**Higher plasma cholesterol and low density lipoproteins are associated with increased airway resistance in COPD** Shima Rafie (Pune, India), Shima Rafiei, Subhabrata Moitra, Bill Brashier, Sundeep Salvi, Sadhu Naik, Mohan Kulkarni

Room G102-103 Session 84 10:45 - 12:45

Poster discussion: Biomarkers, immunology and molecular pathology of lung cancer

Chairs : Lars Schmidt (Münster, Germany), Fernando Gamarra (Straubing, Germany)

PA524	**Early response detection in systemic lung cancer treatment using cell-free methylated SHOX2 (mSHOX2) plasma DNA** Bernd Schmidt (Halle, Germany), Bernd Schmidt, Julia Beyer, Dimo Dietrich, Nina Lambrecht, Michael Fleischhacker
PA525	**Circulating biomarkers and tumour molecular profiling in patients with non-small cell lung cancer** Elena Karampini (London, United Kingdom), Elena Karampini, Hassan Farah, Nahid Kamal, Paul Cane, Jane Moorhead, Sabine Pomplun, Juliet King, Tariq Sethi, James Spicer, Frank McCaughan
PA526	**In vitro and in vivo application of the GILUPI cell collector system for the isolation and characterization of circulating tumor cells (CTCs) in lung cancer patients** Bernd Schmidt (Halle, Germany), Michael Fleichhacker, Hubertus Rolke, Clemens Oerding, Gerit Theil, Bettina Wollschläger, Bernd Schmidt
PA527	**Peripheral blood lymphocytes indicate an immunosuppressive status in lung cancer** María del Mar Valenzuela-Membrives (Granada, Spain), María del Mar Valenzuela Membrives, Abel Sanchez- Palencia Ramos, Francisco Perea García, Francisco Ruiz Cabello, Antonio Rodríguez, María Esther Farez Vidal
PA528	**Comparative analysis of lymphoid subsets in peripheral blood and tumor-infiltrating lymphocytes of lung cancer patients** María del Mar Valenzuela-Membrives (Granada, Spain), María del Mar Valenzuela- Membrives, Abel Sanchez- Palenci a- Ramos, Francisco Perea- García, Francisco Ruiz-Cabello, Pilar Jimenez, María Esther Farez-Vidal
PA529	**Immunoglobulin-like transcripts 3 (ILT3) expression in human lung adenocarcinoma as a novel regulator of intratumoral lymphoid follicle formation** Vassiliki Karavana (Athens, Greece), Vassiliki Karavana, Giorgos Kazamias, Anna Panagiotou, Aggeliki Louka, Dimitra Kerdidani, Keli Antonogiannaki, Vassiliki Filaditaki, Charis Roussos, Dimitra Rontogianni, Spyros Zakynthinos, Filio Diamantea, Maria Tsoumakidou
PA530	**Lung cancer immune cells exhibit inhibited inflammasome response** Aikaterini D. Samara (Athens, Greece), Katerina D. Samara, Ismini Lasithiotaki, Eliza Tsitoura, Ioannis Giannarakis, Anna Psaraki, Eleni Bibaki, Irini Lambiri, Nikolaos Siafakas, Katerina M. Antoniou
PA531	**Distribution of CD4+Foxp3+,CD4+ and CD8+ T cells in non-small cell lung cancer** Jurgita Jackute (Kaunas, Lithuania), Jurgita Jackute, Marius Zemaitis, Darius Pranys, Brigita Sitkauskiene, Skaidrius Miliauskas, Raimundas Sakalauskas
PA532	**CTLA-4 on regulatory T cells - Regulation of local immune response in lung cancer** Iwona Osinska (Warsaw, Poland), Iwona Osinska, Anna Stelmaszczyk-Emmel, Malgorzata Polubiec-Kownacka, Dariusz Dziedzic, Joanna Domagala-Kulawik
PA533	**Determination of antibodies against the red meat derived antigen Neu5Gc in patients with lung cancer. Probable association with disease development and progress** Kelly Domvri (Thessaloniki, Greece), Konstantinos Zarogoulidis, Phaedra Eleftheriou, Kalliopi Domvri, Chrisanthi Chadziyianni, Christos Petrou, Konstantinos Barsamidis, Kyriaki Savidou, Spyridoula Tsitlakidou
PA534	**MUC1 associates with smoking, prognosis and histological subtypes in lung adenocarcinoma** Elisa Lappi-Blanco (Oulu, Finland), Elisa Lappi-Blanco, Johanna Mäkinen, Kirsi Laitakari, Shirley Johnson, Riitta Mäkitaro, Risto Bloigu, Siri Lehtonen, Timo Väisänen, Riitta Kaarteenaho
PA535	**Preserved muscle oxidative metabolic phenotype in newly diagnosed non-small cell lung cancer patients** Harry Gosker (Maastricht, Netherlands), Harry Gosker, Celine Op den Kamp, Marco Kelders, Annemarie Dingemans, Ramon Langen, Annemie Schols
PA536	**Hypoxia-response gene signatures as predictive and prognostic biomarkers in advanced non-squamous non-small cell lung cancer patients** Anca Franzini (St Gallen, Switzerland), Anca Franzini, Florent Baty, Martin Brutsche
PA537	**Comprehensive evaluation of nuclear factor- expression patterns in non-small cell lung cancer** Ioanna Giopanou (Rio, Patras, Greece), Ioanna Giopanou, Ioannis Lilis, Vassilios Papaleonidopoulos, Georgios Stathopoulos
PA538	**Inhibition of the effect of epidermal growth factor (EGF) on lung cancer cells. The use of plasmids encoding specific siRNA molecules** Piotr Kopinski (Bydgoszcz, Poland), Maciej Gawronski, Piotr Kopinski, Marek Jankowski, Arkadiusz Goede, Adam Szpechcinski, Joanna Chorostowska
PA539	**EGFR mutations determine EGFR-MET crosstalk and MET inhibition in lung cancer** Richard Lee (London, United Kingdom), Richard Lee, Elena Ortiz-Zapater, Gregory Weitsman, Gilbert Fruhwirth, Will Owen, Tony Ng, George Santis

PA540	**MET genetic lesions in NSCLC are functional markers of early hematogenous spreading and radioresistance** Giulia Stella (Pavia, Italy), Giulia Stella, Rebecca Senetta, Michele Zorzetto, Simona Inghilleri, Ludovica Verdun Di Cantogno, Paolo Comoglio, Paola Cassoni, Federica Meloni
PA541	**P53 codon 72, GSST1, GSTM1 and CCR5del32 genetic polymorphism: Evidence of correlation between asthma and lung cancer** Mariia Vasileva (Tomsk, Russian Federation), Mariia V. Vasileva, Nadejda V. Cherdyntseva, Polina A. Gervas, Valentina A. Belyavskaya, Vladimir V. Klimov

Room G104-105 Session 85 10:45 - 12:45

Poster discussion: Latest insights into pulmonary rehabilitation

Chairs : Sally J. Singh (Leicester, United Kingdom), Richard Zuwallack (Hartford, United States of America)

PA542	**Biofeedback for improving the effectiveness of pulmonary rehabilitation exercise in patients with chronic obstructive pulmonary disease** Yu-Ju Chen (Taipei, Taiwan), Yu-Ju Chen, Liang-Hui Huang, Wann-Cherng Perng
PA543	**Effects of introduction of obesity-specific interventions in a state-of-the-art pulmonary rehabilitation programme** Paula Van Melick (Horn, Netherlands), Paula Van Melick, Frits Franssen, Inge Martens, Martijn Spruit, Emiel Wouters, Erica Rutten
PA544	**Effects of routine inspiratory muscle training (IMT) as add-on to pulmonary rehabilitation (PR) in COPD** Konrad Schultz (Bad Reichenhall, Germany), Konrad Schultz, Benjamin Krämer, Sebastian Fuchs, Silke Wingart, Nicola Lehbert, Veronika Huber, Dragan Stojanovic, Michael Wittmann, Danijel Jelusic, Michael Schuler
PA545	**Exercise intensity during rehabilitation classes: Pulmonary, cardiac and heart failure. How does it compare to maximum capacity?** Linzy Houchen-Wolloff (Oakham, United Kingdom), Linzy Houchen-Wolloff, Amye Watt, Sally Boyce, Sally Singh
PA546	**Impact of pulmonary rehabilitation on cough and sputum symptom perception in patients with COPD** Graziele Sobrinho (Southampton, United Kingdom), Graziele Coissi Sobrinho, Teresa James, Zoe Pond, Lindsay Welch, Susan Batchelor, Rhona Copp, Helen Potterton, Tracy Nash, Thomas Havelock, Tom M. Wilkinson
PA547	**Quality of life (QoL) and dyspnea of COPD patients one year after a 3-week inpatient pulmonary rehabilitation (PR)** Konrad Schultz (Bad Reichenhall, Germany), Konrad Schultz, Danijel Jelusic, Michael Wittmann, Michael Schuler
PA548	**Effect of isolated pulmonary rehabilitation vs. associated with a specific protein supplement on exercise test in patients with bronchiectasis: A randomized study** Luis Fernandez de Rota Garcia (Marbella (Malaga), Spain), Casilda Olveira, Luis Fernandez de Rota Garcia, Esperanza Doña Diaz, Francisco Javier Palenque Lobato, Nuria Porras Perez, Antonio Dorado Galindo, Rocio Martin Valero, Ana Maria Godoy, Gabriel Olveira
PA549	**The role of interactive game-based system in pulmonary rehabilitation of patients with COPD** Dewi Makhabah (Yogyakarta, Indonesia), Dewi Makhabah, Suradi Suradi, Muchsin Doewes
PA550	**Effect of psychological factors on exercise capacity (EC) and health-related quality of life (HRQL) in COPD undergoing pulmonary rehabilitation (PR)** Culadeeban Ratneswaran (London, United Kingdom), Culadeeban Ratneswaran, John Weinman, Nicholas Hart
PA551	**Does carbon monoxide diffusing capacity (DLCO) effect results of pulmonary rehabilitation?** Ilknur Naz (Izmir, Turkey), Hulya Sahin, Ilknur Naz, Nimet Aksel, Fevziye Tuksavul, Ayse Ozsoz
PA552	**Can we identify patients that recover strength following hospitalisation for an acute exacerbation of chronic respiratory disease?** Emma Chaplin (Leicester, United Kingdom), Emma Chaplin, Neil Greening, Emma Vincent, Theresa Harvey-Dunstan, Fayyaz Hussain, Johanna Williams, Mike Morgan, Mick Steiner, Sally Singh
PA553	**How does regular exercise affect dyspnoe (TDI) and quality of life (CAT) of COPD-patients 1 year after an inpatient pulmonary rehabilitation (PR)?** Danijel Jelusic (Bad Reichenhall, Germany), Danijel Jelusic, Michael Wittmann, Michael Schuler, Konrad Schultz
PA554	**Mucociliary clearance and regular exercise: Responses of the nasal mucociliary transport of subjects with COPD** Gabriel Brígida (Presidente Prudente, Brazil), Gabriel Brígida, Ercy Ramos, Renata David, Iara Trevisan, Marceli Leite, Bruna Spolador, Giovana Arévalo, Ana Freire, Juliana Uzeloto, Fabiano Lima, Dionei Ramos
PA555	**The effect of outpatient pulmonary rehabilitation on COPD assessment test (CAT) and GOLD classification – A retrospective data analysis** Stephanie Falschlehner (Großwetzdorf, Austria), Stephanie Falschlehner, Milos Petrovic, Elisabeth Czuchajda, Branko Ott, Angelika Forster, Anneliese Berger, Miriam Subhieh, Doris Schindler, Irmgard Derka, Ralf Harun Zwick

PA556	**CAT and pulmonary rehabilitation: Where is the gain?** Marilyn Houle Péloquin (Montreal, Canada), Marilyn Houle Péloquin, Mélina Lalande Gauthier, Benoit Sauvageau, Claude Poirier
PA557	**Impact and benefits of pulmonary rehabilitation delivered in the primary care setting** Mohit Bhutani (Edmonton, Canada), Mohit Bhutani, Colleen Makarowski, Kirsten Goddard, Tye Babb, Jessica Schaub
PA558	**The patient perspective on challenges to participating in pulmonary rehabilitation: An international web-based survey** Sarah Masefield (Sheffield, United Kingdom), Sarah Masefield, Pippa Powell, Carolyn Rochester, Giannis Vogiatzis
PA559	**The EQ5D5L in COPD: Validity, responsiveness and minimum important difference (MID)** Claire Nolan (Guildford, United Kingdom), Claire M. Nolan, Louise Longworth, Joanne Lord, Jane L. Canavan, Sarah E. Jones, Amy L. Clark, Faiza Chowdhury, Samantha S.C. Kon, William D.C. Man

Room G106-107 Session 86 10:45 - 12:45

Poster discussion: The relevance of diagnostic and monitoring tools in clinical practice

Chairs : Daiana Stolz (Basel, Switzerland), Stefan Krueger (Düsseldorf, Germany)

PA561	**LATE-BREAKING ABSTRACT: Molecular diagnostics in the bronchoalveolar lavage in a large cohort of immunocompromised patients** Daiana Stolz (Basel, Switzerland), Daiana Stolz, Reno Frei, Kathleen Jahn, Romana Calligaris-Maibach, Norina Reifer, Lilian Junker, Michael Tamm
PA562	**LATE-BREAKING ABSTRACT: Exacerbation phenotype directed corticosteroid therapy of COPD: Value of blood eosinophilia (primary results)** Aliae AR Mohamed-Hussein (Assiut, Egypt), Aliae Mohamed-Hussein, Waleed Gamal Eldin, Mohamed Salah, Amal Abdellah, Aamaa Mohamed
PA563	**LATE-BREAKING ABSTRACT: Eosinophilic inflammation in COPD: During clinical stability and exacerbations. The AERIS study** Viktoriya (known as Victoria) Kim (Winchester, United Kingdom), Viktoriya L. Kim, Ngaire A. Coombs, Karl J. Staples, Nicholas P. Williams, Kristoffer Ostridge, Malwina M. Wojtas, Mathieu Peeters, Emmanuel Aris, Jeanne-Marie Devaster, Simon C. Bourne, Tom M. Wilkinson
PA564	**Chlamydophila pneumoniae was rarely detected in bronchoalveolar lavage fluid in patients with bacterial pneumonia using molecular methods** Shingo Noguchi (Kitakyushu, Japan), Shingo Noguchi, Kazuhiro Yatera, Toshinori Kawanami, Kazumasa Fukuda, Kei Yamasaki, Keisuke Naito, Kentarou Akata, Hiroshi Ishimoto, Hatsumi Taniguchi, Hiroshi Mukae
PA565	**Clinical and demographic factors associated with pneumonia risk in a COPD patient cohort** Nicholas Williams (Romsey, United Kingdom), Nicholas Williams, Kris Ostridge, Victoria Kim, Malwina M. Wojtas, Stephen Harden, Emmanuel Aris, Mathieu Peeters, Jeanne-Marie Devaster, Simon Bourne, Tom Wilkinson
PA566	**The detection of free-living H. influenzae in the airways of patients with COPD** Samantha Thulborn (Carterton, United Kingdom), Samantha Thulborn, Jennifer Cane, Alessandro Ceroni, Christopher Brightling, Ian Pavord, Mona Bafadhel
PA567	**Increased total, secretory and NTHi-specific IgA in the COPD airway** Karl J. Staples (Southampton, United Kingdom), Karl J. Staples, Stephen Taylor, Steve Thomas, Kristoffer Ostridge, Alice Richardson, Andrew C. Tuck, Stuart C. Clarke, Andrew Gorringe, Tom M.A. Wilkinson
PA568	**Absence of human rhinovirus and respiratory syncytial virus in the lungs of patients with stable chronic obstructive pulmonary disease** Styliani Giannakaki (Athens, Greece), Styliani Giannakaki, Lida Politi, Andriana Papaioannou, Nikolaos Spanakis, Georgios Arsenis, Vasiliki Filaditaki, Spyridon Zakynthinos, Napoleon Karagiannidis, Athanasios Tsakris
PA569	**Nontuberculous mycobacterial infection in chronic obstructive pulmonary disease** Satoshi Okamori (Tenri, Nara, Japan), Satoshi Okamori, Eisaku Tanaka, Nobuyoshi Hamao, Yuto Yasuda, Takashi Inao, Chie Morimoto, Ikkou Yasuda, Yusuke Kaji, Takehiro Yasuda, Seishu Hashimoto, Takashi Hajiro, Yoshio Taguchi
PA570	**Bronchoalveolar galactomannan in invasive pulmonary aspergillosis: A prospective study in pediatric patients** Naseh Sigari (Sanandaj, Islamic Republic of Iran), Shilan Mohammadi, Soheila Khalilzadeh, Koroush Goudarzipour, Maryam Hassanzad, Alireza Mahdaviani, Nahid Aarabi, Mahin Pourabdollah, Naseh Sigari
PA571	**Fungal PCR in the bronchoalveolar lavage for diagnosing invasive fungal disease** Kristina Affolter (Aarau, Switzerland), Kristina Affolter, Kathleen Jahn, Elisabeth Wehrle-Wieland, Daniel Goldenberger, Michael Tamm, Nina Khanna, Daiana Stolz, Jörg Halter, Jakob Passweg

PA572	**Clinical utility of quantitative cytomegalovirus detection in bronchial washing fluid in patients with hematologic malignancies** Hwa Young Lee (Seoul, Republic of Korea), Hwa Young Lee, Joon Young Choi, Hea Yon Lee, Chin Kook Rhee, Dong Gun Lee
PA573	**Computed tomography assessment of response to treatment in chronic pulmonary aspergillosis** Cendrine Godet (Poitiers, France), Cendrine Godet, François Laurent, Anne Bergeron, Catherine Begeilman, Christophe Pison, Vincent Cottin, Patrick Germaud, Bruno Philippe, Boubou Camara, Cécile Toper, Guillaume Beraud, France Roblot, Jacques Cadranel
PA574	**Model of diagnosis scoring, clinical and molecular profile of invasive pulmonary aspergillosis (IPA) in ICU patients** Anna Roza (Jakarta, Indonesia), Anna Rozaliyani, Anwar Jusuf, Joedo Prihartono, Jacques Meis, Retno Wahyuningsih
PA575	**Diagnostic value of pneumocystis-PCR in bronchoalveolar lavage in a clinical setting** Markus Unnewehr (Dortmund, Germany), Markus Unnewehr, Felix Luecker, Patricia Bartsch, Bernhard Schaaf
PA576	**Risk factors of pneumocytis pneumoniae in solid tumours: A case-control study** Marine Desseigne (Lyon, France), Marine Desseigne, Virginie Avrillon, Anne Lise Bienvenu, Stéphane Picot, Jean Yves Blay, Sylvie Chabaud, Maurice Pérol
PA577	**Cross-boarder surveillance of enterovirus-D68 in Europe during the 2014 North-American outbreak** Coretta Van Leer (Groningen, Netherlands), Coretta Van Leer, Isabelle Schuffenecker, Randy Poelman, Laurence Josset, Hubert Niesters, Bruno Lina

Room 13.2 Session 87 10:45 - 12:45

Poster discussion: Pulmonary hypertension: rare and hereditary causes of PAH

Chairs : David Montani (Le Kremlin-Bicêtre, France), Paul Corris (Newcastle-upon-Tyne, United Kingdom)

PA578	**LATE-BREAKING ABSTRACT: The effect of volume overload on pulmonary hypertension in hemodialysis patients** Süreyya Yilmaz (Diyarbakir, Turkey), Süreyya Yilmaz, Yasar Yildirim, Mahsuk Taylan, Melike Demir, Zülfükar Yilmaz, Aliveysel Kara, Fatma Aydin, Hadice Selimoglu Sen, Aziz Karabulut, Fusun Topcu
PA579	**Mitomycin-induced pulmonary veno-occlusive disease: Experience from the French pulmonary hypertension network** Sven Günther (Le Kremlin-Bicêtre, France), Sven Günther, Frédéric Perros, Benoit Ranchoux, Laurent Godinas, Fabrice Antigny, Marie-Camille Chaumais, Peter Dorfmüller, Aurélie Hautefort, Nicolas Raymond, Laurent Savale, Xavier Jaïs, Olivier Sitbon, Gérald Simonneau, Marc Humbert, David Montani
PA580	**Characteristics and outcomes of heritable pulmonary veno-occlusive disease due to EIF2AK4 mutations** David Montani (Le Kremlin-Bicêtre, France), David Montani, Barbara Girerd, David Amar, Xavier Jais, Laurent Savale, Peter Dorfmuller, Jérome Lepavec, Mélanie Eyries, Florent Soubrier, Olivier Sitbon, Gérald Simonneau, Marc Humbert
PA581	**Chemotherapy-induced pulmonary hypertension: Role of alkylating agents** Frederic Perros (le Plessis-Robinson, France), Benoit Ranchoux, Sven Günther, Rozenn Quarck, Marie-Camille Chaumais, Peter Dorfmüller, Fabrice Antigny, Sébastian J. Dumas, Nicolas Raymond, Edmund Lau, Laurent Savale, Xavier Jaïs, Olivier Sitbon, Gérald Simonneau, Kurt Stenmark, Sylvia Cohen-Kaminsky, Marc Humbert, David Montani, Frédéric Perros
PA582	**Pulmonary arterial lesions and interstitial remodeling patterns in histology differentiate EIF2AK4 mutation-carriers from non-carriers with pulmonary veno-occlusive disease** Esther Jeritza Nossent (Amsterdam, Netherlands), Esther Nossent, David Montani, Barbara Girerd, Frederic Perros, Florent Soubrier, Eli Fadel, Katrien Grünberg, Harm Jan Bogaard, Gerald Simonneau, Anton Vonk Noordegraaf, Marc Humbert, Peter Dorfmüller
PA583	**microRNA profile in COPD patients with and without pulmonary hypertension** Matthias Brock (Schlieren, Switzerland), Dinah Hertig, Caroline Leuenberger, Thomas Rechsteiner, Alex Soltermann, Silvia Ulrich, Walter Weder, Malcolm Kohler, Lars Huber, Matthias Brock
PA584	**Antiproliferative effects of drugs affecting different signalling pathways on rat and human pulmonary artery smooth muscle cells** Laura Moreno (Madrid, Spain), Daniel Morales-Cano, Bianca Barreira, Virginia Chamorro, Rachele Pandolfi, Beatriz De Olaiz Navarro, Andrés Esteban, Julio Cortijo, ángel Cogolludo, Laura Moreno, Francisco Pérez-Vizcaíno
PA585	**Children's genetic screening in hereditary haemorrhagic telangiectasia - Read more: http://www.atsjournals.org/doi/abs/10.1164/ajrccm-conference.2013.187.1_MeetingAbstracts.A3266** Ralph Epaud (Créteil, France), Ralph Epaud, Nurcan Soysal, Suzanne Verlhac, Melanie Eyrie, Marie-France Carette
PA586	**Epigenetic signature of right ventricular failure in pulmonary arterial hypertension** François Potus (Quebec, Canada), Francois Potus, Evangelos Michelakis, Steeve Provencher, Sébastien Bonnet

PA587 **Analysis of miRNA profile in circulating microparticles of patients with pulmonary arterial hypertension**
Nuria Coll Bomfill (Barcelona, Spain), Nuria Coll-Bonfill, Melina Mara Musri, Nicholas Strieder, Jessica Garcia-Lucio, Isabel Blanco, Roberto Del pozo, Cristina Bonjoch, Victor Peinado, Joan Albert Barbera

PA588 **Cigarette smoking alters microRNA expression profiling and contributes to pulmonary artery remodeling via targeting connective tissue growth factor**
Ran Wang (Hefei, China), Ran Wang, Gengyun Sun, Sijing Zhou

PA590 **Functional analysis of the 5´UTR region of BMPR2 gene in pulmonary arterial hypertension**
Guillermo Pousada (Vigo, Spain), Guillermo Pousada, Sheila Castro-Sánchez, Adolfo Baloira, Diana Valverde

PA591 **Pulmonary arterial hypertension associated to HIV. Our experience**
Daniela Gonzalez Marcano (Alicante, Spain), Daniela González Marcano, Rafael León Allocca, Joan Gil Carbonell, Raquel García Sevila, Concepción Martinez Serrano

PA592 **Elucidating signalling pathways in pulmonary hypertension using a microRNA knockout mouse model – In vitro and in vivo data**
Neil McGlinchey (Clydebank, United Kingdom), Neil McGlinchey, Victor Samillan, Mariola Kurowska-Stolarska, Charles McSharry, Margaret Nilsen, Mandy MacLean, Andrew Peacock, David Welsh

PA593 **Functional characterization of BMPR2 gene in pulmonary arterial hypertension**
Guillermo Pousada (Vigo, Spain), Guillermo Pousada, Vincenzo Lupo, María álvarez-Satta, Adolfo Baloira, Carmen Espinós, Diana Valverde

PA594 **HIV-associated pulmonary arterial hypertension onset is associated with the soluble CD14 level and inflammation related to monocyte activation by LPS translocation from the gut**
Tasnime Issoufaly (Paris, France), Tasnime Issoufaly, David Zucman, Mehdi Ellouze, Sophie Hüe, Jean-Daniel Lelievre, Louis-Jean Couderc, Philippe Devillier, Veronique Godot, Colas Tcherakian

Room E102 Session 88 10:45 - 12:45

Poster discussion: Exploring mechanisms in obstructive airway diseases

Chairs : Alyn Hugh Morice (Cottingham, United Kingdom), Stylianos Loukides (Voula, Athens, Greece)

PA595 **Activin-A BAL levels and Immunochemistry for activin A receptors in patients with asthma**
Anastasia Papaporfyriou (Mandra, Greece), Anastasia Papaporfyriou, Petros Bakakos, Konstantinos Kostikas, Georgios Papatheodorou, Philip Emmanouil, Konstantina Kontogianni, Elissavet Konstantellou, Georgios Hillas, Patroklos Katafygiotis, Rodoula Trigidou, Nikolaos Koulouris, Spyridon Papiris, Stelios Loukidis

PA596 **Immunocytochemistry evaluation of FKBP51 in induced sputum cells as a biomarker of glucocorticoid therapy in asthma**
Mihaela Zidarn (Golnik, Slovenia), Mihaela Zidarn, Susan Wilson, Peter Howarth

PA597 **The airway microbiota is significantly altered in asthma patients with airway hyperresponsiveness to mannitol**
Asger Sverrild (Copenhagen, Denmark), Asger Sverrild, Pia Kiilerich, Celeste Porsbjerg, Anders Bergqvist, Jonas Erjefält, Karsten Kristiansen, Vibeke Backer

PA598 **Rapamycin protects OVA induced asthma in mice through regulating autophagy**
Dong Yang (Shanghai, China), Dong Yang, Yan Mou, Ling Ye, Meiling Jin, Chunxue Bai

PA599 **Correlation of inflammatory markers of disease with sputum neutrophilia in severe asthma**
Clair Barber (Southampton, United Kingdom), Clair Barber, Laurie Lau, Scott Elliott, Jon Ward, Kerry Gove, Tom Brown, Hitasha Rupani, Tim Hinks, Ratko Djukanovic, Ramesh Kurukulaaratchy, Anoop Chauhan, Karl J. Staples, Peter Howarth

PA600 **Measuring differences in respiratory muscle activity in healthy and dyspnoeic children and determining the effect of salbutamol by surface electromyography (EMG)**
Anne Floor Brunger (Groningen, Netherlands), Anne Floor Brunger, Karin Smit, Elianne Vrijlandt, Leo Van Eykern

PA601 **Small airway function in smokers without airway obstruction**
Kim Husemann (Singen, Germany), Kim Husemann, Yulia Zhukhovitskaya, Martin Kohlhäufl

PA602 **Pro-and anti-fibrotic molecule balance in the bronchial mucosa of stable COPD patients**
Antonino Di Stefano (Veruno, Italy), Antonino Di Stefano, Fabio L.M. Ricciardolo, Davide Vallese, Alessandro Pitruzzella, Francesca Magno, Isabella Gnemmi, Armando Capelli, Andrea Zanini, Francesco Cappello, Bruno Balbi

PA603 **Airway hyperresponsiveness (AHR) to mannitol following regular inhaled corticosteroids (ICS) in Australian army and police recruits**
Clair Lake (Camperdown, Australia), Clair Lake, Clare Perry, Keith Wong, John Brannan

PA604	**Correlation of spirometry with six minute walk test and grading of dyspnea** Anand Patel (Vadodara, India), Anand Patel
PA605	**iNOS expression is increased in peripheral airways of asthmatic patients** Ellen Tufvesson (Lund, Sweden), Ellen Tufvesson, Cecilia Andersson, Julie Weidner, Jonas Erjefält, Leif Bjermer
PA606	**Elevated sputum BPIFB1 levels correlate with progression of chronic obstructive pulmonary disease** Jing Gao (Helsinki, Finland), Jing Gao, Steffen Ohlmeier, Pentti Nieminen, Tuula Toljamo, Sari Tiitinen, Tinja Kanerva, Lynne Bingle, Bianca Araujo, Mikko Rönty, Matti Höyhtyä, Colin Bingle, Witold Mazur, Ville Pulkkinen
PA607	**Asthma control and sputum eosinophils: A longitudinal study in daily practice** Sophie Demarche (Liege, Belgium), Sophie Demarche, Florence Schleich, Virginie Paulus, Monique Henket, Thierry Van Hees, Renaud Louis
PA608	**Is ionizing radiation the risk factor for chronic obstructive pulmonary disease?** Lyudmila I. Shvayko (Kiev, Ukraine), Liudmyla Shvaiko
PA609	**Predictive factors of a positive methacholine challenge response based on data from a baseline respiratory function test** Rafaela Campanha (Lisbon, Portugal), Rute Morgado, Cátia Oliveira, Rafaela Campanha, Susana Moreira, Richard Staats, Dina Escaleira, João Valença, Cristina Bárbara
PA610	**Periostin as a biomarker in patients with asthma: Associations with eosinophilia and Th2 response** Elissavet Konstantelou (Athens, Greece), Elissavet Konstantelou, Stylianos Loukides, Konstantinos Kostikas, Poluxeni Ntotsi, Zoe Tsilogianni, Anastasia Papaporfyriou, Georgios Papatheodorou, Spyridon Papiris, Nikolaos Koulouris, Petros Bakakos
PA611	**Serum periostin in patients hospitalized for COPD exacerbations** Elissavet Konstantelou (Athens, Greece), Elissavet Konstantelou, Andriana Papaioannou, Konstantinos Bartziokas, Georgios Papatheodorou, Anastasia Papaporfyriou, Sofia Pouriki, Nikolaos Koulouris, Spyridon Papiris, Petros Bakakos, Stylianos Loukides, Konstantinos Kostikas
PA612	**Airway basophils are increased and correlated with eosinophilic inflammtaion in asthma and COPD** Keiko Wakahara (Nagoya, Japan), Keiko Wakahara, Yoshihiro Suzuki, Akira Shiraki, Toyokazu Sashio, Takashi Abe, Yukari Arakawa, Daiki Goto, Joe Shindoh, Yoshinori Hasegawa

Room D201-202 Session 89 10:45 - 12:45

Poster discussion: COPD and lung function: risk factors and outcomes

Chairs : Judith Garcia Aymerich (Barcelona, Spain), Eva Ronmark (Lulea, Sweden)

PA613	**COPD is associated with left ventricular size and function: Results from COSYCONET** Peter Alter (Marburg, Germany), Peter Alter, Annika Karch, Henrik Watz, Armin Koch, Tobias Welte, Holger Schulz, Rudolf Jörres, Claus Vogelmeier
PA614	**COPD and risk of cardiovascular disease: A prospective study of 0.5M Chinese adults** Om Prakash Kurmi (Oxford, United Kingdom), Om Kurmi, Liming Li, Kourtney Davis, Jenny Wang, Ling Yang, Yiping Chen, Yu Guo, Zheng Bian, Rory Collins, Richard Peto, Zhengming Chen
PA615	**LATE-BREAKING ABSTRACT: High density lipoprotein cholesterol (HDL) and severe chronic lung disease (CLD) exacerbations in the general population** Elizabeth Oelsner (New York, United States of America), Elizabeth Oelsner, Kristin Burkart, David Jacobs, Laura Loehr, Ravi Kalhan, George O'Connor, Michael Tsai, Wendy White, Richard Kronmal, Aaron Folsom, R. Graham Barr
PA616	**Risk of cardiovascular events following COPD hospitalisation: Findings from the China Kadoorie Biobank cohort study** Om Prakash Kurmi (Oxford, United Kingdom), Om Kurmi, Liming Li, Kourtney Davis, Jenny Wang, Ling Yang, Yiping Chen, Yu Guo, Zheng Bian, Rory Collins, Richard Peto, Zhengming Chen
PA617	**GRACE scores in COPD patients with acute coronary syndromes: Performance and impact on secondary prevention** Kieran Rothnie (London, United Kingdom), Kieran Rothnie, Liam Smeeth, Emily Herrett, Neil Pearce, Harry Hemingway, Jadwiga Wedzicha, Adam Timmis, Jennifer Quint
PA618	**Ventilatory function as predictor of cardio-metabolic markers of cardiovascular disease: 10 year follow-up in young adults** Vanessa Garcia Larsen (London, United Kingdom), Vanessa Garcia-Larsen, James Potts, Patricia Bustos, Hugo Amigo, Roberto Rona

PA619	**The effect on mortality of adding inhaled corticosteroids to long-acting bronchodilators for COPD: A focus on the frequent exacerbator phenotype** Mirko Di Martino (Rome, Italy), Mirko Di Martino, Nera Agabiti, Silvia Cascini, Ursula Kirchmayer, Valeria Belleudi, Danilo Fusco, Luigi Pinnarelli, Lisa Bauleo, Claudio Voci, Riccardo Pistelli, Marina Davoli
PA620	**Chest CT measures of pectoralis muscle area predicts mortality in smokers** Alejandro A Diaz (Arlington, United States of America), Alejandro Diaz, Rola Harmouche, James Ross, Raul San Jose Estepar, Gregory Kinney, John Hokanson, George Washko
PA621	**Chronic obstructive pulmonary disease and sudden cardiac death: The Rotterdam study** Lies Lahousse (Sint-Eloois-Vijve, Belgium), Lies Lahousse, Maartje Niemeijer, Marten Van den Berg, Peter Rijnbeek, Guy Joos, Albert Hofman, Oscar Franco, Jaap Deckers, Mark Eijgelsheim, Bruno Stricker, Guy Brusselle
PA622	**Long-term outcome in non-reversible and reversible airway obstruction** Sami Sawalha (Boden, Sweden), Sami Sawalha, Linnea Hedman, Eva Rönmark, Bo Lundbäck, Anne Lindberg
PA623	**Growth differentiation factor-15 is a predictor for COPD exacerbations and survival** Gunnar Husebø (Fana, Norway), Gunnar Husebø, Per Bakke, Jon Hardie, Lorena Lerner, Jeno Gyuris, Tomas Eagan
PA624	**Oxygen desaturation in the six minute walk test is a predictor of decline in muscle mass in COPD patients** Marie Waatevik (Bergen, Norway), Marie Waatevik, Ane Johannessen, Francisco Real, Marianne Aanerud, Jon Hardie, Per Bakke, Tomas Eagan
PA625	**Lung function as a risk factor for low bone mineral density and hip fracture - The Hordaland health study** Trine Herland (Bergen, Norway), Trine Herland, Ellen M. Apalset, Geir Egil Eide, Grethe S. Tell, Sverre Lehmann
PA626	**Unemployment in COPD: Results from the BOLD study** Marta Erdal (Bergen, Norway), Rune Grønseth, Marta Erdal, Wan C. Tan, Thorarinn Gislason, Sanjay K. Juvekar, Sundeep Salvi, Parvaiz A. Koul, Hasan Hafizi, William M. Vollmer, Michael Studnicka, Daniel Obaseki, A. Sonia Buist, Ane Johannessen
PA627	**COPD symptoms/diagnoses and work exposure: A 20 years population-based survey** Giuseppe Sarno (Pisa, Italy), Giuseppe Sarno, Sonia Cerrai, Sandra Baldacci, Sara Maio, Marzia Simoni, Franca Martini, Patrizia Silvi, Anna Angino, Martina Fresta, Francesco Di Pede, Francesco Pistelli, Laura Carrozzi, Giovanni Viegi
PA628	**Productivity loss in COPD: Results from the BOLD study** Rune Grønseth (Morvik, Norway), Rune Grønseth, Marta Erdal, Wan C. Tan, Thorarinn Gislason, Sanjay K. Juvekar, Sundeep Salvi, Parvaiz A. Koul, Hasan Hafizi, William M. Vollmer, Michael Studnicka, Daniel Obaseki, A. Sonia Buist, Ane Johannessen
PA629	**LATE-BREAKING ABSTRACT: Endometriosis and the airways: Results from a population based Northern European cohort** Francisco Gomez Real (Bergen, Norway), Francisco Gómez Real, Kai Triebner, Bryndís Benediktsdóttir, Karl Franklin, Mathias Holm, Rain Jgi, Bénédicte Leynaert, Eva Lindberg, Vivi Schlnssen, Cecilie Svanes
PA630	**LATE-BREAKING ABSTRACT: Birth weight and lung function in later life: A systematic review & meta-analysis** Jaymini Patel (London, United Kingdom), Neil J. Saad, Jaymini Patel, Cosetta Minelli, Kay Dickersin, Peter G.J. Burney

Room Auditorium Session 90 12:45 - 14:30

Thematic poster: Spanish/Portuguese day: Poster session

ALAT/ERS/SEPAR/SBPT/SPP International societies symposium - Poster viewing and discussion (light snack and coffee will be available)

Tag(s) : Healthy Lungs for Life (HLfL)

Chairs : Jose M. Marin Trigo (Zaragoza, Spain), Paula Pinto (Lisbon, Portugal), Mark Cohen Todd (Guatemala, Guatemala), Patricia Rieken Macêdo Rocco (Rio de Janeiro, Brazil)

PA631	**1. The effects of noninvasive positive pressure ventilation on exercise tolerance in hospitalized patients with decompensated heart failure: a randomised cross-over trial – Igor Moraes**
PA632	**2. Functional capacity variation after Pulmonary Rehabilitation in COPD patients - a survival predictor – Cláudia Guerreiro**
	3. A bayesian cost-effectiveness analysis of a telemedicine-based strategy for the management of sleep apnea: a multicenter randomized controlled trial – Josep M Montserrat
	4. Efficacy of different treatment alternatives por obesity hypoventilation syndrome– Juan F. Masa

5. Effect of Corticosteroids on Treatment Failure among Hospitalized Patients with Severe Community-Acquired Pneumonia and High Inflammatory Response: a Randomized Clinical Trial – Antoni Torres

6. Streptococcus pneumoniae infection is an independent cause of cardiac rhythm alteration in community-acquired pneumonia – Francisco Sanz

7. Diagnostic yield of transbronchial criobiopsia in transplant patients and patients with suspected ILD – Margarita Herrera

8. Risk of hospitalization due to pneumococcal pneumonia in adults in Spain. The CORIENNE study – Isabel Cifuentes

9. Airway resistance and obesity are independent factors for the occurrence of dynamic hyperinflation in asthmatics – Patricia D Freitas

10. Transthoracic echocardiography does not improve sPESI scale value in low risk pulmonary thromboembolism patients – Ana Gomez-Larrauri

11. LSC Abstract - Functional metagenomics of respiratoy microbiome in exacerbated COPD – Laura Millares

12. Changes in cognitive status during acute exacerbation of COPD – Marie Carmen Valenza

13. Transfer factor of the lung for carbon monoxide (TLCO) in morbid obese subjects – Ebymar Arismendi

14. Clinical and epidemiological features in H1N1 and H3N2 influenza A virus – Ana Lucia Figueredo

15. Aerobic exercise reduces pulmonary inflammation in diet-induced obesity in a HDM model of asthma through adipokines, IL-10, IL-17 and IL-23 signaling – Jefferson C J Aquino-Junior

16. COPD Assessment Test (CAT): validity and reproducibility in patients with non-cystic fibrosis bronchiectasis – Rejane Agnelo Silva de Castro

Hall 14-01 Session 92 12:50 - 14:40

Thematic poster: Chronic airway disorders: miscellaneous aspects

Chairs : Camille Taillé (Paris, France), Elisabetta Pace (Palermo, Italy), Luis Miguel Vaz Rodrigues (Guarda, Portugal), Erwan L'Her (Brest, France)

PA637	**LATE-BREAKING ABSTRACT: Microbiology and radiology of pneumonia in COPD** Lydia Finney (London, United Kingdom), Lydia Finney, Sarah Elkin, Samuel Todd, Vijay Padmanaban, Patrick Mallia
PA638	**LATE-BREAKING ABSTRACT: Discovering new treatments for asthma and COPD. The use of the human viral challenge model with a newly manufactured and characterised GMP human rhinovirus** Rob Lambkin-Williams (Brighton, United Kingdom), Daniel Fullen, Bryan Murray, Ganesh Balaratnam, Julie Mori, Andrew Catchpole, Anthony Gilbert, Fiona Hughes, Rob Lambkin-Williams
PA639	**LATE-BREAKING ABSTRACT: The effect of transmural pressure of the pharyngeal airway on upper airway obstruction in patients with obstructive sleep apnea** Megumi Okuyama (Chiba, Japan), Megumi Okuyama, Shiroh Isono
PA640	**LATE-BREAKING ABSTRACT: Oxygen titration and weaning with FreeO2 in COPD patients hospitalized for exacerbation. A randomized controlled pilot study** Erwan L'Her (Brest, France), François Lellouche, Pierre-Alexandre Bouchard, Maude Roberge, Guillaume Babin, François Maltais, Yves Lacasse, Erwan L'Her
PA641	**LATE-BREAKING ABSTRACT: Cough sensitivity parameters, airway inflammation and vocal cord dysfunction - Study in normal menstrual cycle and oral contraceptives group** Jana Plevkova (Martin, Slovakia), Jana Plevkova, Natalia Kavalcikova-Bogdanova, Lea Kovacikova, Tomas Buday, Kamil Biringer, Vladimir Calkovsky
PA642	**ANCA-negative eosinophilic granulomatosis with polyangiitis (EGPA) relatead to sirolimus-eluting stent** Alexandre Chabrol (Boulogne, France), Alexandre Chabrol, Louis Jean Couderc, Elisabeth Rivaud, Emilie Catherinot, Hélène Salvator, Laurence Beaumont, Colas Tcherakian
PA643	**The influence of age on the delay of asthma diagnosis** Karolina Lindner (Wroclaw, Poland), Karolina Lindner, Robert Pawlowicz, Zbigniew Machaj, Bernard Panaszek

PA644	**Does having specialist asthma nurses improve adherence to national asthma guidelines? A comparison between two UK district general hospitals** Adam Ainley (London, United Kingdom), Adam Ainley, Nadia Gildeh, Anna Seeley, Kirsty Lewis, Tara Maisel, Rebecca Jayasinghe, Jagan Muthurajah
PA645	**The national alpha-1 antitrypsin deficiency registry in Poland** Joanna Chorostowska-Wynimko (Warsaw, Poland), Joanna Chorostowska-Wynimko, Radoslaw Struniawski, Emil Wojda, Beata Wajda, Malgorzata Czajkowska-Malinowska, Pawel Kuca, Dariusz Gawryluk, Dariusz Jastrzebski, Anna Doboszynska, Jerzy Kozielski, Ewa Jassem, Pawel Sliwinski
PA646	**Lower serum AIM/IgM ratio is associated with severe asthma** Hiroki Kimura (Sapporo, Japan), Hiroki Kimura, Masaru Suzuki, Satoshi Konno, Hironi Makita, Hirokazu Kimura, Satoko Arai, Toru Miyazaki, Masaharu Nishimura
PA647	**Phenotypic and molecular-genetic features of asthma-COPD overlap syndrome (ACOS)** Vasiliy Belash (St.Petersburg, Russian Federation), Vasiliy Belash, Zhanna Mironova, Vasiliy Trofimov, Mikhail Zaraiski, Alexei Sazanov, Anna Ulitina
PA648	**Peculiarities of climacteric syndrome in women with bronchial asthma, developed in the perimenopausal period, correction of these disorders** Tetyana Chursinova (Dnipropetrovsk, Ukraine), Tetyana Pertseva, Tetyana Choursinova
PA649	**Smoking in severe asthma** Galina Sergeeva (Saint-Petersburg, Russian Federation), Galina Sergeeva, Alexander Emelyanov, Evgenia Leshenkova, Antonina Znakhurenko, Ludmila Kozireva
PA650	**Adalimumab and etanercept induced asthma** Canan Eren Dagli (Ordu, Turkey), Canan Eren Dagli, Recep Akgedik, Berna Botan Yildirim, Rezzan Gunaydin
PA651	**Co-existence of eosinophilic granulomatosis with polyangiitis, HIV and HCV infection: A rare coincidence?** Juliana Valério Pinaffi (Sao Paulo, Brazil), Juliana Pinaffi, Leticia Kawano-Dourado, Marcos Tavares, Telma Antunes, Carmen Barbas
PA652	**An unusual presentation of pulmonary complication of crack abuse** Thomas Galasso (Lodi, Italy), Thomas Galasso, Andrea Mazzetta, Valentina Conio, Eti Maria Giulia Di Vincenzo, Federica Meloni, Isa Cerveri
PA653	**Neglected causes of acute respiratory failure in the elderly** Rodolfo Ferrari (Cesena, Italy), Rodolfo Ferrari, Daniela Agostinelli, Annamaria Longanesi, Riccardo Voza, Mario Cavazza
PA654	**Low level laser in monotherapy or in combination with leukotriene receptor antagonists in the treatment of allergic lung inflammation** Auriléia Brito (Vargem Grande Paulista, Brazil), Auriléia Brito, Nicole Cristine Rigonato-Oliveira, Gabriel Moraes, Clariana Soares, Manoel Carneiro Oliveira Junior, Luana Beatriz Vitoretti, Rodolfo Paula Vieira, Ana Paula Ligeiro de Oliveira

Hall 14-02 Session 93 12:50 - 14:40

Thematic poster: COPD: exacerbations, gas exchange and associated dysfunction

Chairs : Marieke L. Duiverman (Gasselte, Netherlands), Job van Boven (Groningen, Netherlands), Claus Vogelmeier (Marburg, Germany), Josef Bolitschek (Steyr, Austria)

PA655	**Source of referral and other factors affecting readmission for patients with chronic obstructive pulmonary disease (COPD)** Alex Budds (Manchester, United Kingdom), Alex Budds, Kim Su, Joanne Wright, Syed Mehdi, Imran Aziz, Abdul Ashish
PA656	**Economic impact of point-of-care blood gas analysis in COPD patients** Ester Zamarron de Lucas (Madrid, Spain), Ester Zamarron-deLucas, Paloma Oliver, Antonio Buño, Rodolfo Alvarez-Sala, Pilar Fernandez-Calle, Maria Jose Alcaide, Raquel Casitas, Cristina Garcia-Quero, Aldara Garcia
PA657	**Acute exacerbations of COPD: The influence of comorbidities and chronic medication on mortality and exacerbation rate** Ond ej Sobotík (Olomouc, Czech Republic), Ondrej Sobotik, Miloslav Marel, Alena Vlachova, Frantisek Petrik, Dmitry Rakita
PA658	**The prognostic importance of the protease-antiprotease imbalance in development of chronic obstructive pulmonary disease comorbid with chronic pancreatitis** Vira Khorunzhaya (Kiev, Ukraine), Vira Khorunzhaya, Andrey Dorofeyev, Joanna Chorostowska-Wynimko, Adriana Rozy, Radoslaw Struniawski

PA659	**Vascular-platelet hemostasis parameters in the stable phase and in acute exacerbation (AE) of COPD** Viktoriia Yakovlieva (Saienko) (Dniepropetrovsk, Ukraine), Viktoriia Yakovlieva, Lyudmyla Konopkina, Tetyana Pertseva
PA660	**FEV1 decline in patients with chronic obstructive pulmonary disease: Which treatment option is better for slowing of decline?** Alizamin Sadigov (Baku, Azerbaijan), Alizaman Sadigov, Sakhavatdin Akhundov, Jeyhun Ismailzadeh, Gunel Sadigova
PA661	**Effect of lower airway bacterial colonisation on time to acute exacerbation in patients with COPD** Richa Singh (London, United Kingdom), Richa Singh, Alexander Mackay, Simon Brill, James Allinson, Peter Barnes, Louise Donnelly, Gavin Donaldson, Jadwiga Wedzicha
PA662	**Skeletal muscle dysfunction in patients with chronic obstructive pulmonary disease and coronary artery disease** Vitalii Poberezhets (Vinnytsia, Ukraine), Vitalii Poberezhets, Yuriy Mostovoy, Hanna Demchuk
PA663	**Right ventricle dysfunction predicts prognosis in COPD** Daniela Graner Schuwartz Tannus Silva (Goiania, Brazil), Daniela Tannus-Silva, Joao Batista Silva, Jose Laerte Silva Júnior, Lays Silva, Leticia Morais, Marcus Conde, Marcelo Rabahi
PA664	**Changes in inhalation therapy after combined assessment of COPD** Arzu Mirici (Canakkale, Turkey), Muzaffer Onur Turan, Julide Celdir Emre, Sami Deniz, Aysegul Baysak, Pakize Ayse Turan, Arzu Mirici
PA665	**COPD exacerbations in hypertensive patients in two ethnic groups in Macedonia** Zoran Stojanovski (Skopje, FYROM (Macedonia)), Goran Andonovski, Zoran Stojanovski, Minov Jordan
PA666	**COPD: Desadaptive illness behavior types patterns** Yanina Galetskayte (Moscow, Russian Federation), Yanina Galetskayte, Svetlana Ovcharenko, Beatrice Volel
PA667	**Potential markers of the progression of CRF in patients with COPD** Titova Olga (Saint-Petersburg, Russian Federation), Titova Olga, Sklyarova Darya, Kuzubova Natalia, Gichkin Aleksey
PA668	**Neurophysiological changes in muscles and nerves in COPD** Mehmet Polatli (Aydin, Turkey), Mehmet Polatli, Nefati Kiylioglu, Emine Yilmaz Celik, Emine Sirthan Afsin, Utku Ogan Akyildiz, Cengiz Tataroglu
PA669	**Serum vitamin D3 level correlates with FEV1 in patients with advanced COPD** Iwona Damps-Konstanska (Gdynia, Poland), Iwona Damps-Konstanska, Katarzyna Puzniakowska, Marta Gruchala-Niedoszytko, Michal Makowiecki, Katarzyna Swietnicka, Ewa Jassem
PA670	**Integrated care in patients with advanced COPD prevent exacerbations** Iwona Damps-Konstanska (Gdynia, Poland), Iwona Damps-Konstanska, Ewa Bandurska, Piotr Popowski, Katarzyna Swietnicka, Alicja Janowicz, Ewa Jassem
PA671	**The effects of a supported discharge service (SDS) to COPD patients on length of hospital stay** Jamie Crosswell (Ashford, United Kingdom), Jamie Crosswell, Geraldeen Guy, Sandip Banerjee
PA672	**Is it possible to improve the prediction ability of the BODE index?** Amaia Aramburu Ojembarrena (Galdakao, Spain), Amaia Aramburu, Txomin Zabala, Cristobal Esteban, Helena Guillermina Azcuna, Francisco Javier Moraza, Myriam Aburto, Irantzu Barrio, Inmaculada Arostegui, Alberto Capelastegui
PA673	**Shape analysis of specific resistance loop contributes to diagnosis of airflow obstruction** Marko Topalovic (Leuven, Belgium), Marko Topalovic, Vasileios Exadaktylos, Daniel Berckmans, Thierry Troosters, Wim Janssens
PA674	**Scales of assesment in COPD. Correlation with clinical and functional parameters** Juan Rodríguez López (Oviedo (Asturias), Spain), Juan Rodríguez-López, Jesús Allende, Jose María García-García, Manuel Villanueva, Jennifer Jiménez, Jose Antonio Gullón, Fernando álvarez-Navascués, Manuel ángel Martínez-Muñiz, Andrés Sánchez-Antuña

Hall 14-03 Session 94 12:50 - 14:40

Thematic poster: COPD: chronic disease and comorbidities

Chairs : András Bikov (Budapest, Hungary), Eric D. Bateman (Cape Town, South Africa), Wouter H. van Geffen (Groningen, Netherlands), Laura Fregonese (London, United Kingdom)

PA675	**LATE-BREAKING ABSTRACT: Exploratory study of clinical phenotypes of airways disease with wheezing by cluster analysis** Guo Yanfei (Beijing, China), Guo Yanfei, Ning Pu, Sun Tieying

PA676	**LATE-BREAKING ABSTRACT: Validation of the DECAF score to predict hospital mortality in exacerbations of COPD** Carlos Echevarria (Newcastle, United Kingdom), Carlos Echevarria, John Steer, Karen Heslop, Chris Stenton, Peter Hickey, Rodney Hughes, Meme Wijesinghe, Richard N. Harrison, Nick Steen, John Simpson, G. John Gibson, Stephen C. Bourke
PA677	**LATE-BREAKING ABSTRACT: Prevalence of metabolic syndrome in COPD and its association with severity of disease** Basanta Hazarika (Gawahati, India), Basanta Hazarika, M.K. Raghavendra, Sushmita Choudhary, Nita Basumotary, Kripash Sarmah, Jogesh Sharma
PA678	**LATE-BREAKING ABSTRACT: Awareness of pulmonary rehabilitation in patients with chronic obstructive pulmonary disease** Erhan Ugurlu (Denizli, Turkey), Erhan Ugurlu, Hakan Alkan, Göksel Altinisik, Mukaddes Sener, Nese Dursunoglu, Sevin Baser, Sibel Özkurt, Fatma Evyapan
PA679	**Cost and effectiveness of 2 years integrated care intervention in COPD** Maurizio Moretti (Modena, Italy), Francesco Costa, Anna Porcu, Sara Balestracci, David Mignani, Fabiola Magnani, Tiziana Pianta, Biagio Marsiglia, Mariella Polselli, Andrea Macuzzi, Aldo Casani, Maurizio Moretti
PA680	**Role of tuberculosis in COPD** Hakan Günen (Istanbul, Turkey), Hakan Gunen, Halil Ibrahim Yakar, Erkan Pehlivan, Pinar Atagün, Selma Aydogan, Aylin Babalik, ümmühan Selvi, Tülay Yarkin, Begüm Aritan
PA681	**Evaluation of individual activity descriptors of the MRC dyspnoea scale: Do they add up?** Janelle Yorke (Manchester, United Kingdom), Janelle Yorke, Adam Garrow, Sarah Tyson, Naimat Khan, Chris Gibbons, Dave Singh, Jorgen Vestbo, Paul Jones
PA682	**Degree of knowledge among physicians about the diagnosis and treatment of alpha-1 antitrypsin deficiency** Esquinas Esquinas Lopez (Lleida, Spain), Cristina Esquinas, Miriam Barrecheguren, Esther Rodriguez, Maria Sucena, Sandra Fernandez, Marc Miravitlles
PA683	**COPD exacerbation: Influence of severity and type of systemic inflammation on the hospitalizations rate** Kateryna Gashynova (Dniepropetrovsk, Ukraine), Kateryna Gashynova
PA684	**Features of skeletal muscle dysfunction in COPD patients with obesity** Vitalii Poberezhets (Vinnytsia, Ukraine), Vitalii Poberezhets, Yuriy Mostovoy, Hanna Demchuk
PA685	**Can we consider the "frequent exacerbator" a reliable COPD phenotype?** Francesca Bigazzi (Firenze, Italy), Francesca Bigazzi, Alessio Garcea, Elena Torricelli, Viola Bonti, Matteo Paoletti, Gianna Camiciottoli, Massimo Pistolesi
PA686	**Costs of the patients hospitalized with acute exacerbations of chronic obstructive pulmonary disease in a tertiary university hospital of Turkey** Can Öztürk (Ankara, Turkey), Fatma Yildirim, Murat Türk, Can öztürk
PA687	**Comorbidities in elderly smokers with COPD or CHF** Bianca Beghe (Modena, Italy), Bianca Beghé, Alessia Verduri, Martina Garofalo, Sara Balduzzi, Monica Bortolotti, Michela Schito, Enrico Clini, Leonardo M. Fabbri, Piera Boschetto
PA688	**Comorbidities in chronic obstructive pulmonary disease - Results of a national multicenter research project** Renata Rubinsztajn (Warsaw, Poland), Renata Rubinsztajn, Marta Maskey-Warzechowska, Krzysztof Karwat, Ryszarda Chazan
PA689	**Predictors of coronary heart disease in patients with COPD** Anastasiia Savytska (Vinnitsa, Ukraine), Anastasiia Savytska
PA690	**The relation of CAT and BODE index in assessing patients with COPD in sub Saharan Africa: Is CAT alone simple and good enough?** Akor Alexander (Abuja, Nigeria), Alexander Akor, G.E Erhabor, Obaseki Daniel
PA691	**Biomarkers in COPD- The role of resistin and leptin** Vlasios Vitsas (Athens, Greece), Vlasios Vitsas, Kardara Matina, Vasileiou Aliki, Koutsoukou Antonia, Michalopoulou Pinelopi, Orfanos Stylianos, Tsoukalas Georgios, Kotanidou Anastasia
PA692	**Optimal spirometric criterion for diagnosing COPD in patients with heart failure (HF): Fixed ratio (FR) or lower limit of normal (LLN)?** Ivan Vishnivetsky (Kiev, Ukraine), Ivan Vishnivetsky, Iryna Boichenko, Anastasiia Borovtsova
PA693	**What is the best biomarker of COPD stability?** Bogdana Basina (Dnipropetrovsk, Ukraine), Bogdana Basina, Tetyana Pertseva, Lyudmila Konopkina

PA694	**Proteinase-inhibitor system state in patients with COPD** Olena B. Pavlenko (Dniepropetrovsk, Ukraine), Elena Pavlenko, Tetyana Pertseva

Hall 14-04 Session 95 12:50 - 14:40

Thematic poster: Healthcare organisation and appropriateness in lung disorders

Chairs : Alfredo Chetta (Parma, Italy), Carlos Silva Robalo Cordeiro (Coimbra, Portugal), Andreas Guenther (Giessen, Germany), Dario Olivieri (Parma, Italy)

PA695	**LATE-BREAKING ABSTRACT: Validation of anindirect calorimetry method among healthy volunteers with non-invasive ventilation at different oxygen concentrations: An agreement study** Nicolás Roux (Ciudad Autónoma de Buenos Aires, Argentina), Nicolás Roux, Patricia Guimaraens, Hernán Benito, Emiliano Gogniat, María de los Ángeles Carignano, Alejandro Midley, Claudia Kecskes, Sergio Giannasi, Eduardo San Román
PA696	**Patients' and healthcare professionals' perceptions of oxygen therapy: A qualitative study** Carol Kelly (Lancashire, United Kingdom), Carol Ann Kelly
PA697	**An audit of electronic oxygen prescribing and bedside observations at a UK teaching hospital showing a high prevalence of risk factors for hypercapnia and a high incidence of hyperoxaemia** Paul Whittemore (Manchester, United Kingdom), Paul Whittemore, Ronan O'Driscoll
PA698	**Improving oxygen prescription outcomes – Is it time to educate the seniors?** Charlotte Tai (Brentwood, United Kingdom), Charlotte Tai, Ruochen Li, Priya Roy, Sanjay Sharma, Bandipalyam Prathibha
PA699	**Effect of computerized physician order entry in the prescribing errors in inpatient care in a pulmonology unit** Aldara Garcia Sanchez (Madrid, Spain), Elena Villamañán, Aldara García-Sánchez, Ester Zamarron, Eduardo Armada, Yolanda Larrubia, Margarita Ruano, Alicia Herrero, Sergio Alcolea, Carlos Carpio, Rodolfo álvarez-Sala
PA700	**Therapeutic warfarin dose dependence on age and smoking in acute pulmonary embolism** Jolita Rackauskiene (Vilnius, Lithuania), Jolita Rackauskiene, Vaida Gedvilaite, Mindaugas Mataciunas, Mazvile Abrutyte, Olga Kusner, Edvardas Danila
PA701	**Investigating inhaler device mastery in pharmacist trainees** Sinthia Bosnic-Anticevich (Sydney, Australia), Sinthia Bosnic-Anticevich, Daina Lim, Jo Steel, Vicky Kritikos, Vasilis Nikolaou, Leif Bjermer, Henry Chrystyn, Frederico Lavorini, P.N. Richard Dekhuijzen, Cynthia Rand, Nicolas Roche, Lorraine Smith, Lisa Pong, Smita Shah, Nicholas Zwar, David Price
PA702	**The impact of VAP staff education on VAP morbidity and mortality in Alexandria University** Emad Ibrahim (Alexandria, Egypt), Ahmed Elmenshawy, Tarek Elbadawy, Hassan Abu khaber, Soad Hafez, Akram Fayed, Emad Ibrahim
PA703	**Side effects of chemical preparations in patients with drug-resistant pulmonary tuberculosis** Fatima Tashpulatova (Tashkent, Uzbekistan), Fatima Tashpulatova, Abduvahob Baboev, Abduvahob Baboev, Abduvahob Baboev
PA704	**The bronchitis severity scale (BSS): A validated tool to assess the effect of pharmacotherapy in acute bronchitis** Heinrich Matthys (Freiburg im Breisgau, Germany), Heinrich Matthys, Peter Kardos, Wolfgang Kamin, Thorsten Reineke, Siegfried Lehrl
PA705	**Quality of life in worsening and non-worsening PAH patient's in a 1 year follow-up: What's going on?** Laurence Halimi (Montpellier, France), Laurence Halimi, Nicolas Molinari, Gregory Marin, Anne Sophie Gamez, Clement Boissin, Isabelle Vachier, Arnaud Bourdin
PA706	**Surfactant protein D (SPD) like marker of effectiveness ofphosphatidylcholine treatment outcomes in patients (pts) with community acquired pneumonia (CAP)** Olga Shtepa (Dnipropetrovsk, Ukraine), Olga Shtepa, Tetyana Pertseva, Tetyana Kireyeva
PA707	**Quality indicators for management of community-acquired pneumonia** hiroaki kanemura (tokyo, Japan), Hiroaki Kanemura, Naoki Nishimura, Hiroshi Nakaoka, Takeshi Kimura, Naohiko Chounabayashi
PA708	**Could procalcitonin (PCT) be a marker of effectiveness of antibiotic treatment (ABT) in pregnant with not severe community-acquired pneumonia (CAP)?** Nataliia Kravchenko (Dniepropetrovsk, Ukraine), Nataliia Kravchenko, Tetyana Pertseva, Tetyana Kireeva
PA709	**Assessment of factors influencing dyspnea sensation in patients hospitalized in India and Poland** Mohankumar Thekkinkattil (Coimbatore, India), Mohankumar Thekkinkattil, Szymon Skoczynski, Grzegorz Brozek, T.S. Muthukumar, R. Monisha, Klaudia Glinka, Katarzyna Repetowska, Dawid Szumilas, Michalina Jamroz, Ewelina Rebizak, Patrycja Rzepka-Wrona, Adrianna Kawa, Beata Kotulska, Jan E. Zejda, Wladyslaw Pierzchala, Adam Barczyk

PA710	**The role of specialist respiratory input in a busy acute medical unit: Implications for diagnosis, management and discharge** Akhtar Ali Akhtar (Barnsley, United Kingdom), Akhtar Ali Akhtar, Sharon Dunning, Muhammad Hussain, Mohammad Ali, Muhammad Malik
PA711	**Quality assessment of clinical practice guidelines for respiratory diseases in China: A systematic appraisal** Mei Jiang (Guangzhou, China), Mei Jiang, Liyue Liao, Xiaoqing Liu, Weijie Guan, Yiming Li
PA712	**Evaulating the use of an age-adjusted, semi-quantitative d-dimer** James Harper (Malmesbury, United Kingdom), Rahul Shrimanker, James Harper, Harsita Patel, Andrew Stanton
PA713	**Do patients with stress incontinence cough or do cough patients suffer from urinary incontinence?** Jan Willem K. van den Berg (Zwolle, Netherlands), Robin Zoglmann, Tam Nguyen, Marian Engberts, Dominique Vaessen, Niels Patberg, Jan Van den Berg
PA714	**The relationship between respiratory function and urinary leukotriene E4 in winter sports** Lidiya Nikitina (Khanty-Mansi Autonomous Okrug, Russian Federation), Lidiya Nikitina, Svetlana Soodaeva, Fedor Petrovsky, Samira Gasymova, Valentina Kotlyarova, Yulia Petrovskaya, Alexandr Chuchalin

Hall 14-05 Session 96 12:50 - 14:40

Thematic poster: Best abstracts in COPD management

Chairs : Nick Hopkinson (London, United Kingdom), Milo Puhan (Zurich, Switzerland), Epaminondas Kosmas (Voula, Athens, Greece), Paolo Onorati (Alghero, Italy)

PA715	**Assessment of a new pressure manometer for use with an oscillating positive expiratory pressure (OPEP) device** Jason Suggett (London, Canada), Jason Suggett, Neritan Alizoti, Adam Meyer
PA716	**Home oxygen service- Assessment and review** Joanna Hobbs (Waterlooville, United Kingdom), Jo Hobbs, Sue Channon
PA717	**Role of illness behavior in pulmonary rehabilitation programs** Yanina Galetskayte (Moscow, Russian Federation), Yanina Galetskayte, Svetlana Ovcharenko, Beatrice Volel
PA718	**Does an exercise test change patients' perception of their ability to exercise?** Justina Ruksenaite (Leicester, United Kingdom), Justina Ruksenaite, Linzy Houchen, Paul Andrzejowski, Sally Singh
PA719	**Mortality and readmissions in patients with severe COPD. Validation of the CODEX index** Annie Navarro Rolon (Barcelona, Spain), Annie Navarro, Roser Costa, Mauricio Martinez, Ana Maria Lapuente, Carmen Vinas, Jose Luis Heredia, Pere Almagro
PA720	**How beneficial might be using the Lüscher colour test in the psychological assessment of COPD patients?** Laura Ciobanu (Iasi, Romania), Laura Ciobanu, Irina Pavaluc, Vasile Maciuc
PA721	**The combined effects of manual chest squeezing coordinated expiration during exercise in patients with chronic obstructive pulmonary disease (COPD)** Tomomi Ichiba (Hachiouji,Tokyo, Japan), Tomomi Ichiba, Tetsuo Miyagawa, Toru Tsuda
PA722	**Poor agreement between chart-based and objectively identified comorbidities of COPD** Filip J.J. Triest (Bilzen, Belgium), Filip J.J. Triest, Frits M.E. Franssen, Martijn A. Spruit, Miriam T.J. Groenen, Emiel F.M. Wouters, Lowie E. Vanfleteren
PA723	**Systemic manifestations in smokers and mild/moderate chronic obstructive pulmonary disease** Laura Caram (Conchas, São Paulo, Brazil), Laura Caram, Renata Ferrari, André Bertani, Thaís Garcia, Carolina Bonfanti, Caroline Knaut, Suzana Tanni, Camila Corrêa, Irma Godoy
PA724	**Changes in quality of life and physiological status in newly diagnosed COPD patients** Muzaffer Onur Turan (Çanakkale, Turkey), Muzaffer Onur Turan, Turgay Kasan, Arzu Mirici
PA725	**Evaluation of the validity and reliability of the CAT (COPD assessment test) questionnaire among COPD patients attending Masih Daneshvari Hospital** Atefeh Fakharian (Tehran, Islamic Republic of Iran), Atefeh Fakharian, Firouzeh Talischi, Saeed Fallah Tafti
PA726	**Validation of the 12-item partners in health scale to measure patient self-management behaviour and knowledge in Dutch patients with COPD** Anke Lenferink (Oldenzaal, Netherlands), Anke Lenferink, Muirne Paap, Peter Harvey, Malcolm Battersby, Peter Frith, Paul Van der Valk, Wendy Van Beurden, Job Van der Palen, Tanja Effing

PA727	**Efficacy of cough with mechanical in-exsufflation (MI-E) and high frequency chest wall oscillation (HFCWO) for airway clearance** Tetsuo Miyagawa (Yokohama Kanagawa, Japan), Tetsuo Miyagawa, Tomomi Ichiba
PA728	**COPD: Home visits program after admission with an exacerbation** Jakob Lyngby Kjærgaard (Brønshøj, Denmark), Jakob Kjærgaard, Anette Bering, Mette Rosenberg, Jon Torgny Wilcke
PA729	**Indicators of mortality for patients treated in a nurse-led COPD unit** Alex Budds (Manchester, United Kingdom), Alex Budds, Kim Su, Joanne Wright, Syed Mehdi, Abdul Ashish, Imran Aziz
PA730	**The effect of respiratory muscle training on dyspnea levels of subjects undergoing thoracic surgery** Harun Ta k n (Denizli, Turkey), Harun Taskin, Orçin Telli Atalay, Gökhan Yuncu
PA731	**Smoking habits and psychological comorbidities of patients with COPD** Birgit Schwaighofer (Bad Reichenhall, Germany), Birgit Schwaighofer, Danijel Jelusic, Michael Wittmann, Michael Schuler, Konrad Schultz
PA732	**Secondary prevention of osteoporosis (OP) in chronic obstructive pulmonary disease (COPD)** Bianca Petri (Liverpool, United Kingdom), B.S. Petri, K. Morgan, C.W.J. Brockelsby, S.M.H. Kazmi
PA733	**Understanding inequalities in COPD prevention and care policies across Europe** Antje Finkwagner (Brussels, Belgium), Daniela Finizio, Michael Wilken, Isabel Saraiva, Sian Williams, Antje Fink-Wagner

Hall 14-06 Session 97 12:50 - 14:40

Thematic poster: Latest insights in pulmonary rehabilitation and functional capacity

Chairs : Zafeiris Louvaris (Agia Paraskevi, Attica, Greece), Rafael Mesquita (Maastricht, Netherlands), Frits M.E. Franssen (Horn, Netherlands), Eva Bernardi (Vazzola, Italy)

PA734	**Exercise training is a determinant of weight-loss and improvement on asthma control, airway inflammation and psychosocial morbidity in obese asthmatics: A RCT** Patricia Freitas (Sao Paulo, Brazil), Patricia D. Freitas, Palmira G. Ferreira, Aline G. Silva, Alberto Cukier, Rafael Stelmach, Regina Carvalho-Pinto, João M. Salge, Marcio C. Mancini, Milton A. Martins, Celso R.F. Carvalho
PA735	**Behavior of stress and peripheral muscle strength in COPD patients submitted to periodized resistance training with elastic tubing** Bruna Silva (Presidente Prudente, Brazil), Bruna Spolador de Alencar Silva, Dionei Ramos, Fabiano Francisco de Lima, Giovanna Altero Arévalo, Ana Paula Coelho Figueira Freire, Marceli Rocha Leite, Iara Buriola Trevisan, Juliana Souza Uzeloto, Renata Marques David, Gabriel Faustino Santa Brigida, Guilherme Yassuyuki Tacao, Giovana Navarro Bertolini, Luia Alberto Gobbo, Ercy Mara Cipulo Ramos
PA736	**Variable physiological response to short-term high-intensity exercise training in men with advanced COPD** Nanca Cebron Lipovec (Ljubljana, Slovenia), Nanca Cebron Lipovec, Annemie M.W.J. Schols, Ramon Langen, Daniel Omersa, Tatjana Kosten, Mitja Lainscak
PA737	**The effect of outpatient pulmonary rehabilitation on patients with lung cancer – A retrospective data analysis** Stephanie Falschlehner (Großwetzdorf, Austria), Stephanie Falschlehner, Milos Petrovic, Elisabeth Czuchajda, Branko Ott, Angelika Forster, Anneliese Berger, Miriam Subhieh, Doris Schindler, Irmgard Derka, Ralf Harun Zwick
PA738	**Effects of additional manual therapy over inspiratory muscle training in patients with chronic obstructive pulmonary disease: A randomized controlled trial** Yasemin Çirak (Ankara, Turkey), Yasemin çirak, Gül Deniz Yilmaz Yelvar, Yasemin Parlak Demir, Murat Dalkilinç, Deniz Kizilirmak, Bülent Bozkurt
PA739	**Effect of nandrolone in underweight COPD patients following pulmonary rehabilitation** Adriette Van der Weg (GRONINGEN, Netherlands), Adriette Van der Weg, Johan B. Wempe, Hester Van der Vaart
PA740	**Change in the iBODE index during pulmonary rehabilitation predicts mortality in COPD** Matthew Maddocks (London, United Kingdom), Matthew Maddocks, Wei Gao, Samantha S.C. Kon, Jane L. Canavan, Sarah E. Jones, Claire M. Nolan, Amy L. Clark, Michael I. Polkey, William D.-C. Man
PA741	**Comorbidity burden and the effect on completion rates and response to pulmonary rehabilitation (PR) in COPD** Djeya Kaliaraju (Uxbridge, United Kingdom), Djeya P. Kaliaraju, Claire M. Nolan, Jane L. Canavan, Sarah E. Jones, Amy L. Clark, Samantha S.C. Kon, William D.C. Man
PA742	**Endurance training with ciclical incremental load, are there advantages?** Ana Filipa Fernandes (Alcanena, Portugal), Filipa Fernandes, Nuno Sousa, Alcina Tavares, Rita Gomes, Madalena Reis, João Parreira, Filipa Carriço, Luís Ferreira

PA743	**A randomised controlled trial of individualised, progressed early exercise in patients hospitalised with an acute exacerbation of chronic obstructive pulmonary disease (AECOPD)** Fatim Mirza (Perak, Malaysia), Fatim Tahirah, Sue Jenkins, Siti Kamariah Othman, Rosmadi Ismail, Tengku Ismail, Kylie Hill
PA744	**Response of the King's brief interstitial lung disease (KBILD) questionnaire to pulmonary rehabilitation (PR)** Claire Nolan (Guildford, United Kingdom), Claire M. Nolan, Jane L. Canavan, Sarah E. Jones, Samantha S.C. Kon, Faiza S. Chowdhury, Surinder S. Birring, Matthew Maddocks, Paul Cullinan, Toby Maher, William D.C. Man
PA745	**Psychological assessment in COPD and lung cancer patients in pulmonary rehabilitation** Zsofia Hodovan (Budapest, Hungary), Zsofia Hodovan, Emese Lorik, Janos Varga
PA746	**A pilot of a weekend pulmonary rehabilitation programme for participants in employment** Alice Craggs (London, United Kingdom), Alice Craggs, Claire Davey, Martin Sterry, Sheena Radford, Jane Simpson
PA747	**The effect the pulmonary rehabilitation in rectus femoris cross-sectional area increase and exercise capacity in patients with chronic obstructive pulmonary disease** pek Ozmen (Istanbul, Turkey), Ipek Ozmen, Elif Yildirim, Fevzi özçinar, Murat öztürk, özgür Yilmaz, Nurgül Yer, Nur Uçkun
PA748	**6-minute walk test (6MWT) and Sit-to-Stand Test (STST) as outcome parameters in pulmonary rehabilitation (PR) of COPD patients** Nicola Lehbert (Bad Reichenhall, Germany), Nicola Lehbert, Silke Wingert, Danijel Jelusic, Michael Wittmann, Michael Schuler, Konrad Schultz
PA749	**Influence of perceived exercise exertion on changes in the CAT score in a standardised pulmonary rehabilitation programme** Graziele Sobrinho (Southampton, United Kingdom), Graziele Coissi Sobrinho, Teresa James, Zoe Pond, Lindsay Welch, Susan Batchelor, Rhona Copp, Helen Potterton, Tracy Nash, Thomas Havelock, Tom M. Wilkinson
PA750	**Relationship between 6MWT distance and VO2max and Wmax in lung transplant candidates undergoing pulmonary rehabilitation** Leonor da Hora Lopes Meira (Leça da Palmeira, Portugal), Leonor Meira, Carla Damas, Paula Martins, Luís Gaspar, Emilia Araújo, Ermelinda Eusébio, Isabel Gomes
PA751	**Effects of a periodized resistance training with elastic tubing in functional capacity and quality of life of patients with COPD** Giovanna Arévalo (Brodowski, Brazil), Giovanna Arevalo, Dionei Ramos, Fábio Lira, Bruna Silva, Fabiano Lima, Juliana Uzeloto, Ana Paula Freire, Marceli Leite, Renata David, Iara Trevisan, Gabriel Brigida, Guilherme Tacao, Ercy Ramos
PA752	**Why detection of cycling is important in activity monitoring** Rob Van Lummel (The Hague, Netherlands), Rob C. van Lummel, Siete C. Frouws, Alex J. van 't Hul, Jaap H. van Dieën, Johannes C.C.M. in 't Veen
PA753	**Reduction of hospital admissions after pulmonary rehabilitation of geriatric patients with COPD** Stephanie Blindenbach (Utrecht, Netherlands), S. Blindenbach, J.E. Elgersma, J. v.d. Zeijden, H.J. Reesink, F. Brijker, M. Smalbrugge, J.W.F.A. Vrancken

Hall 14-07 Session 98 12:50 - 14:40

Thematic poster: A morphological view of chest pathology

Chairs : Aleksandar Grgic (Homburg/Saar, Germany), Cedric Van Holsbeke (Kontich, Belgium), Reinhard Kubale (Pirmasens, Germany), Lavinia Davidescu (Oradea, Romania)

PA754	**Post pleural aspiration chest X-ray** Sally Metcalfe (Chesire, United Kingdom), Sally Metcalfe, Wasim Jamal, M. Jamil Malik
PA755	**Predicting 3-day outcome of initial treatment in primary spontaneous pneumothorax: Benefit of expiratory chest X-ray** Kazunori Tobino (Iizuka, Japan), Kazunori Tobino, Yuichiro Yasuda, Hiroki Ebana
PA756	**Contrast-enhanced CT for detecting pleural malignancy at a large district general hospital** Samal Gunatilake (Eastleigh, United Kingdom), Samal Gunatilake, William Storrar, Louise Parker, Suresh Babu, Lesley Bishop, Robin Clark, Anoop Chauhan
PA757	**Pulmonary manifestations in severe strongyloidiasis: Review of 17 cases** Daijiro Nabeya (Okinawa, Japan), Daijiro Nabeya, Shusaku Haranaga, Takeshi Kinjo, Gretchen Parrott, Ayako Uehara, Saifun Nahar, Teruhisa Tanaka, Tetsuo Hirata, Futoshi Higa, Masao Tateyama, Jiro Fujita

PA758	**Fully automated labeling of sub-segmental airways in human airway trees** Juerg Tschirren (Coralville, United States of America), Juerg Tschirren, Craig Vidal, Benjamin Baron, Philippe Raffy, Eric A. Hoffman
PA759	**Imaging the upper airways in humans with endoscopic optical coherence microscopy at subcellular resolution** Mario Pieper (Lübeck, Germany), Mario Pieper, Hinnerk Schulz-Hildebrandt, Barbara Wollenberg, Gereon Hüttmann, Peter König
PA760	**Clinic and radiologic features and outcomes of amidrone induced alveolities under the influence of steroid treatment** Natalya Yakovleva (Saint-Petersburg, Russian Federation), N. Yakoleva, A. Speranskaya, G. Orlova, V. Amosov, V. Zolotnitskaya
PA761	**Non small cell lung cancer (NSCLC): 42 patients treated with computed tomography (CT) guided percutaneous microwave ablation** Adamadia Liapikou (Athens, Greece), Petros Filippousis, Styliani Arapostathi, Nektaria Sidiropoulou, Kyriaki Tavernaraki, Paraskeyi Galani, Adamantia Liapikou, Loukas Thanos
PA762	**Reproducibility of airway wall thickness measurements on CT in a lung cancer screening setting** Esther Pompe (Utrecht, Netherlands), Esther Pompe, Michael Schmidt, Eva Van Rikxoort, Rozemarijn Vliegenthart, Matthijs Oudkerk, Harry De Koning, Bram Van Ginneken, Pim De Jong, Jan-Willem Lammers, Firdaus Mohamed Hoesein
PA763	**CT assessment of lobar heterogenity and fissure integrity in pulmonary emphysema for bronchoscopic lung volume reduction with valve** Akifumi Tsuzuku (Hashima Gun, Gifu Prefecture, Japan), Akifumi Tsuzuku, Fumihiro Asano, Teruomi Miyazawa, Hiroshi Handa, Masamichi Mineshita, Yoshihiko Matusno, Takuya Sobajima, Atsunori Masuda, Anri Murakami, Tomoya Kato
PA764	**Predictors of pneumothorax after transthoracic lung biopsy: The role of quantitative CT** Hassan Chami (Beirut, Lebanon), Hassan Chami, Walid Farraj, Zeinab Abou Yehia, Sanaa Baddour, Peter Sawan, Karim Rebeiz, Rawan Safa, Charbel Saade, Blanche Ghandour, Ali Shamseddine, Deborah Mukherji, Ali Haydar
PA765	**Radiological findings of patients with primary ciliary dyskinesia** Nagehan Emiralioglu (Ankara, Turkey), Nagehan Emiralioglu, Berna Oguz, Altan Günes, Ebru Yalçin, Deniz Dogru Ersöz, Nural Kiper, Ugur özçelik
PA766	**Outcome of intravascular stent in superior vena cava syndrome** Naohiko Hamaguchi (Matsuyama, Japan), Naohiko Hamaguchi, Takahide Kato, Mayuko Semba, Mikihiro Kohno, Kotaro Kajiwara, Kensaku Ito, Hideki Makino, Takanori Kanematsu, Hideki Yokoyama
PA767	**Primary pulmonary haemosiderosis. Usefulness of MRI with DWI** Stevan Ivkovic (Nis, Republic of Serbia), Stevan Ivkovic, Aleksandar Ivkovic, Tamara Milosavljevic, Dusan Ivkovic
PA768	**Lung injuries after narcotic overdose. Usefulness of MDCT and MRI** Tamara Milosavljevic (Nis, Republic of Serbia), Tamara Milosavljevic, Aleksandar Ivkovic, Stevan Ivkovic
PA769	**Interstitial lung disease caused by designer drugs** Aleksandar Ivkovic (Nis, Republic of Serbia), Aleksandar Ivkovic, Tamara Milosavljevic, Stevan Ivkovic
PA770	**MDCT and MRI findings after antibiotic sub dosage in pneumonia** Tamara Milosavljevic (Nis, Republic of Serbia), Tamara Milosavljevic, Aleksandar Ivkovic, Stevan Ivkovic

Hall 14-08 Session 99 12:50 - 14:40

Thematic poster: Endoscopic ultrasound: an essential tool for interventional pulmonology

Chairs : Gregoris Stratakos (Athens, Greece), Luis Miguel Seijo Maceiras (Madrid, Spain), Momen Wahidi (Durham, United States of America), Jean-Michel Vergnon (Saint-Etienne, France)

PA771	**Dividing EBUS-TBNA samples for simultaneous histopathological and molecular analyses in lung cancer patients** Filiz Oezkan (Bochum, Germany), Filiz Oezkan, Amir Khan, Paul Zarogoulidis, Wolfgang Hohenforst-Schmidt, Kazuhiro Yasufuku, Takahiro Nakajima, Ruediger Karpf-Wissel, Diana Hartmann, Dirk Theegarten, Lutz Freitag, Kaid Darwiche
PA772	**Added value of EUS-B to EBUS for lung cancer staging** Laurence M.M.J. Crombag (Amsterdam, Netherlands), Laurence Crombag, Jos Stigt, Christophe Dooms, Kurt Tournoy, Olga Schuurbiers, Daniel Korevaar, Jouke Annema
PA773	**EBUS-TBNA in the diagnosis of haematological malignancies; overcoming the challenge** Georgia Hardavella (London, United Kingdom), Georgia Hardavella, Laura Succony, Jim Brown, Ricky Thakrar, Mary Falzon, Vandana Jeebun, Mohammed Munnavar, Sam Janes, Neal Navani
PA774	**Efficacy of TB-PCR using EBUS-TBNA samples in patients with intrathoracic granulomatous lymphadenopathy** Jung Seop Eom (Busan, Republic of Korea), Jung Seop Eom, Min Ki Lee, Min Ji Kim

PA775	**Contribution of cell blocks obtained through endobronchial ultrasound-guided transbronchial needle aspiration for the diagnosis of malignancy and sarcoidosis** Onur Fevzi Erer (Izmir, Turkey), Onur Fevzi Erer, Ceyda Anar, Serhat Erol, Zekiye Aydogdu
PA776	**A multimodal image guiding system for navigated endobronchial ultrasound (EBUS): Clinical demonstration** Hanne Sorger (Levanger, Norway), Hanne Sorger, Tore Amundsen, Erlend Fagertun Hofstad, Thomas Langø, Hakon Olav Leira
PA777	**Validation of a risk stratification model for patients with isolated mediastinal/hilar lymphadenopathy (IMHL) and a negative EBUS** Haider Al-Najjar (Doncaster, United Kingdom), Haider Al-Najjar, Matthew Evison, Julie Morris, Julie Martin, Haval Balata, Philip Barber, Richard Booton, Philip Crosbie
PA778	**Endobronchial ultrasound elastography type classification in the diagnosis of mediastinal and hilar lymph nodes** Takehiro Izumo (Tokyo, Japan), Takehiro Izumo, Yuji Matsumoto, Yoshihisa Hiraishi, Manabu Hayama, Christine Chavez, Shinji Sasada, Takaaki Tsuchida
PA779	**Left adrenal gland analysis using the EBUS scope: A feasibility study in lung cancer patients** Laurence M.M.J. Crombag (Amsterdam, Netherlands), Laurence Crombag, Peter Bonta, Jouke Annema
PA780	**Utility value of endo bronchial ultrasound-trans bronchial needle aspiration (EBUS-TBNA) in isolated tuberculous mediastinal lymphadenopathy** Ziaudeen Ansari (Birmingham, United Kingdom), Ziaudeen Ansari, Elizabeth Pudney, Nazim Nathani, Omer Khair, Arvind Rajasekaran
PA781	**EBUS-TBNA in sarcoidosis and lymphoma: Exploring the importance of culture on lymph nodes** Ping Shi Zhu (Montreal, Canada), Ping Shi Zhu, Thomas Vandemoortele
PA782	**Concurrent diagnostic pericardiocentesis and subcarinal mediastinal lymph node aspiration by EBUS TBNA** Vishwanath Gella (Hyderabad, India), Vishwanath Gella, Snigdha Ghana, Upendra Srinivas
PA783	**EBUS-TBNA: Risk factors for inadequate material** Benan Caglayan (Istanbul, Turkey), Benan Caglayan, Sevda Sener Comert, Coskun Dogan, Dilek Ece, Ferhan Karatas, Gamze Celik, Sukran Mutlu, Onder Cetin
PA784	**Endobronchial ultrasound-guided transbronchial needle biopsy (EBUS-TBNA) performed in thoracic operating room (OR) resulted in long use of resources** Francois Arbib (Echirolles, France), François ARBIB, Anne-Claire Toffart, Michèle Fior-Gozlan, Sylvie Lemee, Amandine Briault, Martine Buchberger, Denis Moro-Sibilot, Jean-François Payen, Christophe Pison
PA785	**Comparative yield of cytology/histology during EBUS in patients with mediastinal sarcoidosis** Ilya Sivokozov (Moscow, Russian Federation), Ilya Sivokozov, Olga Lovacheva, Irina Shumskaya, Galina Evgushenko, Larisa Lepekha
PA786	**Addition of EBUS-TBNA to bronchoscopic biopsies in the diagnosis of sarcoidosis** Ping Shi Zhu (Montreal, Canada), Ping Shi Zhu, Thomas Vandemoortele
PA787	**Preliminary experience with endobronchial ultrasound-guided transbronchial needle aspiration for sampling of mediastinal lymph nodes** Leonello Fuso (Rome, Italy), Leonello Fuso, Francesco Varone, Daniele Magnini, Giulia Angeletti, Andrea Smargiassi, Riccardo Inchingolo
PA788	**The underlying causes of granulomatous lymphadenitis detected by EBUS-TBNA** Aslihan Gürün Kaya (Ankara, Turkey), Aslihan Gürün Kaya, Aydin çiledag, Fatma çiftçi, Elif Sen, Koray Ceyhan, Akin Kaya, Gökhan çelik, Ismail Savas
PA789	**Usefulness of EBUS-TBNA in the diagnostics of stage 1 and 2 sarcoidosis** Agata Kalicka (Bydgoszcz, Poland), Agata Kalicka, Cezary Rybacki

Hall 14-09 Session 100 12:50 - 14:40

Thematic poster: Bronchoscopic treatment of COPD and asthma: valves, coils, thermoplastics and something more

Chairs : Daniela Gompelmann (Heidelberg, Germany), Karin Klooster (Groningen, Netherlands), Wolfgang Gesierich (Gauting, Germany), Lars Konge (Virum, Denmark)

PA790	**Acute radiological abnormalities after bronchial thermoplasty (BT)** Julia d'Hooghe (Amsterdam, Netherlands), J.N.S. D'Hooghe, I.A.H. Van den Berk, P.I. Bonta, J.T. Annema

PA791	**Safety of the application of bronchial thermoplasty with a modified protocol. Experience in our centre** Ana Maria Rodrigo Troyano (Barcelona, Spain), Ana Rodrigo-Troyano, Ana Maria Muñoz-Fernández, Virginia Pajares, Cristina Burrel, Vicente Plaza, Alfons Torrego
PA792	**Endobronchial valve treatment versus standard medical care in patients with emphysema without interlobar collateral ventilation** Karin Klooster (Groningen, Netherlands), Karin Klooster, Nick H.T. Ten Hacken, Jorine E. Hartman, Huib A.M. Kerstjens, Eva M. Van Rikxoort, Dirk-Jan Slebos
PA793	**Dislodgement of endobronchial Zephyr valves: An anatomical perspective** Hugo Goulart De Oliveira (Porto Alegre, Brazil), Hugo Oliveira, Rafael Rambo, Silvia Oliveira, Amarilio Macedo-Neto
PA794	**Endoscopic lung volume reduction (ELVR) in COPD: Improvements in gas transfer capacity correlate with improvements in ventilation and perfusion (VQ) matching** Kelvin Hsu (Strathfield, Australia), Kelvin Hsu, Jonathan Williamson, Matthew J. Peters, Alvin J. Ing
PA795	**Development of endoscopic valve therapy in patients with severe emphysema** Daniela Gompelmann (Heidelberg, Germany), Daniela Gompelmann, Felix J.F. Herth, Nicola Ehlken, Claus Peter Heussel, Hans Hoffmann, Ralf Eberhardt
PA796	**Endoscopic lung volume reduction (ELVR) treatment for patients with severe heterogeneous emphysema and bilateral incomplete fissures. Effectiveness and complications of coils´ implantation at 90 days follow up** Konstantina Kontogianni (Heidelberg, Germany), Konstantina Kontogianni, Vasiliki Gerovasili, Maren Schuhmann, Daniela Gompelmann, Claus P. Heußel, Hans Hoffmann, Felix F.J. Herth, Ralf Eberhardt
PA797	**Endoscopic lung volume reduction (eLVR) with endobronchial valves (EBV) in patients with hypercapnic respiratory failure** Franziska Trudzinski (Homburg/Saar, Germany), Franziska Trudzinski, Dominik Ballek, Franziska Kaestner, Robert Bals, Sebastian Fähndrich, Philipp M. Lepper
PA798	**Two-year safety of targeted lung denervation in patients with moderate to severe COPD** Dirk-Jan Slebos (Groningen, Netherlands), Dirk-Jan Slebos, Karin Klooster, Coenraad Koegelenberg, Johan Theron, Martin Mayse, Chris T. Bolliger
PA799	**Long-term safety of bilateral targeted lung denervation in patients with COPD in a single procedure** Arschang Valipour (Vienna, Austria), Arschang Valipour, Christophe Pison, Romain Kessler, Gaetan Deslee
PA800	**Preliminary results of study of bronchoscopic hot saline ablation (BHSA) treatment, in emphysematous lung disease** David Stav-Struhar (Zerrifin, Israel), David Stav, Isaac Shpirer, Noam Natiff
PA801	**Predictors of clinical outcome in emphysema patients with atelectasis following endoscopic valve therapy** Daniela Gompelmann (Heidelberg, Germany), Daniela Gompelmann, Tobias Hofbauer, Vicky Gerovasili, Ralf Eberhardt, Felix J.F. Herth, Hyun-ju Lim, Claus Peter Heussel
PA802	**Regional specific gas volume as a potential tool for targeting lobes in endobronchial valve (EBV) treatment** Caterina Salito (Milan, Italy), Caterina Salito, Andrea Aliverti
PA803	**Endobronchial coils for COPD palliation: A single institution experience** Korkut Bostanci (Istanbul, Turkey), Korkut Bostanci, Zeynep Bilgi, Hakan Omercikoglu, Sehnaz Olgun, Davor Stamenovic, Mustafa Yuksel
PA804	**Endoscopic lung volume reduction with nitinol coils in very severe emphysema: Mid-term effectiveness vs. disease related continuous loss of lung function** Mathias Juech (Lostau, Germany), Mathias Jüch, Hans Jost Achenbach
PA805	**Bronchiectasis after bronchial valve implantation** Dominik Harzheim (Heidelberg, Germany), Dominik Harzheim, Daniela Gompelmann, Felix Herth, Maren Schuhmann, Ralf Eberhardt
PA806	**Factors associated with good response in a cohort of patients with severe emphysema and complete inter-lobar fissures undergoing endo-bronchial valve insertion** Bethannie McIntyre (Bristol, United Kingdom), Bethannie McIntyre, Paula Murphy, Tim Batchelor, Saveria Di Gerlando, Nabil Jarad
PA807	**Bronchopleural fistula and pneumothorax following lung volume reduction coil treatment in severe emphysema: A case report** A k n Gül en (Izmir, Turkey), Askin Gulsen, Fidan Sever, Pelin Girgin, Volkan Karacam

PA808	**Mid-term follow-up data after endoscopic lung volume reduction with nitinol coils in patients with very severe emphysema** Mathias Juech (Lostau, Germany), Mathias Jüch, Hans Jost Achenbach
PA809	**Intrabronchial valve treatment in patients with severe heterogeneous emphysema and intact interlobar fissures** Arschang Valipour (Vienna, Austria), Arschang Valipour, Sherwin Asadi, Veronika Hutya, Irene Firlinger, Marina Duller, Otto Chris Burghuber

Hall 14-10 Session 101 12:50 - 14:40

Thematic poster: Interstitial lung diseases I

Chairs : Nikolaos Tzanakis (Heraklion, Greece), Sophia E. Schiza (Heraklion, Crete, Greece), Zoe Daniil (Larisa, Greece), Elisabetta Renzoni (London, United Kingdom)

PA810	**Air-leak syndrome caused by pleuroparenchymal fibroelastosis after bone marrow transplantation** Tomoya Ishii (Kagawa, Japan), Tomoya Ishii, Takuya Inoue, Nobuyuki Kita, Akira Tadokoro, Naoki Watanabe, Nobuhiro Kanaji, Shuji Bandoh
PA811	**Prevalence of active smokers among 49 patients affected by interstial lung diseases at two referral centers** Paolo Pozzi (Milan, Italy), Paolo Pozzi, Munarini Elena, Luisi Francesca, Biffi Alice, Harari Sergio, Pesci Alberto, Boffi Roberto
PA812	**Aerosol delivery of an immunomodulator (interferon- 1b) within mouse lungs** Neil R. MacIntyre (Durham, United States of America), Neil MacIntyre, Sanjay Bhardwaj, Rohinton Toddywala
PA813	**Pulmonary veno-occlusive disease after hematopoietic stem cell transplantation** Makiko Yomota (Tokyo, Japan), Makiko Yomota, Tatsuru Okamura, Yusuke Ohkuma, Yukio Hosomi, Hirotoshi Horio, Kazuteri Ohashi, Tsunekazu Hishima
PA814	**Complications in transbrochial cryobiopsy (TCB)** Lars Hagmeyer (Haan, Germany), Lars Hagmeyer, Kerstin Richter, Marcel Treml, Christina Priegnitz, Winfried Randerath
PA815	**Rituximab for the treatment of chronic hypersensitivity pneumonitis** Inigo Ojanguren Arranz (Barcelona, Spain), Iñigo Ojanguren, Ana Villar, María Antonia Ramón, María Jesus Cruz, Xavier Muñoz, Ferran Morell
PA816	**Distribution of pleural plaques and pulmonary fibrosis due to asbestos exposure: Radiological patterns in asbestos-related disorders (ARDs)** Heiko Michael Knoop (Bochum, Germany), Heiko Knoop, Phil Million, Andreas Weber, Fabian Wolter, Jürgen Behr
PA817	**Acute fibrinous and organizing pneumonia: A retrospective study** Rita Daniela Gomes Matos (Albergaria-a-Velha, Portugal), Rita Matos Gomes, Eva Padrão, Filipa Soares Pires, Inês Neves, Patrícia Mota, Natália Melo, Susana Guimarães, Conceição Souto Moura, António Morais
PA818	**Nasal inspiratory peak flow in sicke cell disease** Càssio Da Cunha Ibiapina (Belo Horizonte, Brazil), Cassio Ibiapina, Cristina Alvim, Ana Karine Vieira
PA819	**Diffuse pulmonary ossification** Jasna Tekavec-Trkanjec (Zagreb, Croatia), Jasna Tekavec-Trkanjec, Tatjana Peroš-Golubicic
PA820	**Clinical and radiologic profile of the pseudotumoral silicosis** Lamia Berny (Casablanca, Morocco), Lamia Berny, Hanane Benjelloune, Nahid Zaghba, Abdelaziz Bakhatar, Najiba Yassine
PA821	**Pulmonary alveolar proteinosis in a cat** Viktor Szatmári (Utrecht, Netherlands), Szatmári, Teske, Nikkels, Griese, De Jong, Grinwis, Theegarten, Veraa, Steenbeek, Drent, Bonella
PA822	**Clinical, computed tomography, and cytological peculiarities of different variants of exogenic allergic alveolitis (EAA)** Natalia Makaryants (Moscow, Russian Federation), Natalia Makaryants, Larisa Lepekha, Evgeniy Shmelev
PA823	**The significance of bronchoalveolar or bronchial lavage in ARDS: Validation in 180 patients** jumpei hisanaga (kumamoto, Japan), Jumpei Hisanaga, Kazuya Ichikado, Kodai Kawamura, Masakazu Yoshioka
PA824	**Expression of heat shock protein 47 in chronic hypersensitivity pneumonitis** Tomoyuki Kakugawa (Nagasaki, Japan), Tomoyuki Kakugawa, Kazuhiro Tabata, Hirokazu Yura, Masaomi Tomonaga, Tatsuhiko Harada, Shota Nakashima, Atsuko Hara, Shintaro Hara, Noriho Sakamoto, Yuji Ishimatsu, Junya Fukuoka, Shigeru Kohno

PA825	**Deficit of alpha-1-antitrypsin: Null allele** Maria João Oliveira (Arcozelo - Vila Nova de Gaia, Portugal), Maria João Oliveira, Inês Ladeira, Miguel Guimarães, Ricardo Lima
PA827	**Pulmonary aspergilloma (about 76 cases)** Khaoula Elatiqi (Casablanca, Morocco), Hanane Benjelloun, Khaoula Elatiqi, Nahid Zaghba, Aziz Bakhatar, Najiba Yassine
PA828	**Bronchobiliary fistula (BBF) easily confirmed with urinary dipstick test** Jee-Hong Yoo (Seoul, Republic of Korea), In Kyoung Hwang, Seon Hye Kim, Myung Jae Park, Hong Mo Kang, Jee-Hong Yoo
PA829	**Isolated mosaic pattern due to bronchiolitis in non-transplant patients: Etiology in 60 cases** André Bezerra Botelho (Sao Paulo, Brazil), Andre Botelho, Carlos A.C. Pereira, Regina Tibana, Maria Raquel Soares, Flavio Arbex, Lilian Kuranishi, Karen Storrer, Ester Coletta, Rimarcs Ferreira

Hall 14-11 Session 102 12:50 - 14:40

Thematic poster: Sarcoidosis: clinical

Chairs : Demosthenes Bouros (Athens, Greece), Paolo Spagnolo (Liestal, Switzerland), Dominique Valeyre (Paris, France), Paola Rottoli (Siena, Italy)

PA830	**Cardiovascular magnetic resonance-guided diagnosis of cardiac sarcoidal affection** Carmen Pizarro (Bonn, Germany), Carmen Pizarro, Andreas Goebel, Stefan Pabst, Christian Grohé, Daniel Thomas, Dirk Skowasch
PA831	**Benefits of physical training in patients with sarcoidosis** Bert Strookappe (Huissen, Netherlands), Bert Strookappe, Marjon Elfferich, Jeff Swigris, Ton Knevel, Marjolein Drent
PA832	**A comparison of two scoring methods for the King's sarcoidosis questionnaire** Aish Sinha (Wolverhampton, United Kingdom), Aish Sinha, Sabrina Bajwah, Harry Gosker, Richard Siegert, Daniel Creamer, Genevieve Larkin, Toby Maher, Elisabetta Renzoni, Athol Wells, Irene Higginson, Surinder Birring, Amit Patel
PA833	**Tuberculin skin test or interferon gamma release assay - How to detect latent tuberculosis infection in sarcoidosis patients?** Anna Kempisty (Warsaw, Poland), Anna Kempisty, Beata Bialas-Chromiec, Jan Kus
PA834	**A comparison of two scoring methods for the King's brief interstitial lung disease questionnaire** Aish Sinha (Wolverhampton, United Kingdom), Aish Sinha, Sabrina Bajwah, Harry Gosker, Richard Siegert, Daniel Creamer, Genevieve Larkin, Toby Maher, Elisabetta Renzoni, Athol Wells, Irene Higginson, Surinder Birring, Amit Patel
PA835	**Fatigue in sarcoidosis; effect on quality of life and health status** Chris Atkins (Norwich, United Kingdom), Chris Atkins, Daniel Gilbert, Claire Brockwell, Sue Robinson, Andrew Wilson
PA836	**Comparison of chest x-ray, thoracic computed tomography and 18F-FDG PET/CT for staging of sarcoidosis** Zehra Asuk Yasar (Bolu, Turkey), Zehra Yasar, Erdogan Cetinkaya, Elif Tanriverdio, Aysel Kargi, Sule Gul, Fahrettin Talay, Akif Ozgül
PA837	**Optimal use of gas transfer values in detecting pulmonary vascular involvement in sarcoidosis** Vasileios Kouranos (Athens, Greece), Vasileios Kouranos, Simon Ward, Maria Kokosi, Joe Jacob, Diego Castillo, Felix Chua, Toby Maher, Andrew Nicholson, David Hansell, Elisabetta Renzoni, Athol Wells
PA838	**Steroid treatment effect in pulmonary sarcoidosis (STEPS study)** Caroline Broos (Rotterdam, Netherlands), Caroline Broos, Marlies Wijsenbeek, Leon Van den Toorn, Hans In 't Veen, Roxane Heller, Marco Grootenboers, Monique Wapenaar, Henk Hoogsteden, Mirjam Kool, Bernt Van den Blink
PA839	**Comorbid illnesses in South African patients with sarcoidosis** Rajen Morar (Johannesburg, South Africa), Rajen Morar, Charles Feldman
PA840	**Pulmonary function tests as predictors of mortality in patients with sarcoidosis** Vasileios Kouranos (Athens, Greece), Vasileios Kouranos, Aggeliki Rapti, Anastasios Kallianos, Ourania Anagnostopoulou, Ioannis Arapis, George Kaltsakas, Charalampos Kostopoulos, George Tzelepis, Nikolaos Koulouris, Petros Sfikakis, Athol Wells, Elias Gialafos
PA841	**Sarcoidosis in Johannesburg, South Africa: A retrospective study** Rajen Morar (Johannesburg, South Africa), Rajen Morar, Charles Feldman
PA842	**Evaluation of ventricular arrhythmogenesis in patients with sarcoidosis** Gülistan Karadeniz (Izmir, Turkey), Fatma Ucsular, Gulistan Karadeniz, Cem Karadeniz, Enver Yalniz, Melike Demir

PA843	**Methotrexate as a single agent for the treatment of patients with progressive pulmonary sarcoidosis** Alexander Vizel (Kazan, Russian Federation), Irina Vizel, Alexander Vizel
PA844	**Subcutaneous sarcoidosis: A clinical analysis of nine patients** Masaru Ando (Oita, Japan), Masaru Ando, Mari Yamasue, Masataka Kan, Kenji Umiki, Shin-ichi Nureki, Yutaka Hatano, Eishi Miyazaki, Jun-ichi Kadota
PA845	**Role of infliximab in managing resistant ventricular arrhythmias in sarcoidosis** Shruthi Konda (London, United Kingdom), Shruthi Konda, Felix Chua, Magdi Saba, Ranjit Pagonda, Raminder Aul
PA846	**Relationship between radiologic patterns, pulmonary function values and BALF cells in newly diagnosed sarcoidosis** Regina Aleksoniene (Vilnius, Lithuania), Regina Aleksoniene, Ingrida Zeleckiene, Mindaugas Mataciunas, Roma Puronaite, Edvardas Danila
PA847	**Characterisation of an experimental mouse model of exposure to nanoparticles. Relevance to human sarcoidosis** Serge Lebecque (Lyon, France), Serge Lebecque, Toufic Renno, Azzak Bentaher, Marine Ponchon, Alain Calender, Jean-François Bernaudin, Dominique Valeyre, Marc Iglarz, Herve Farine, Daniel Strasser, Yves Pacheco
PA848	**Polymorphisms of activating FCGR2A and FCGR2C genes in the etiopathogenesis of sarcoidosis** Anna Dubaniewicz (Gdansk, Poland), Marlena Typiak, Krzysztof Rebala, Jan Marek Slominski, Zbigniew Jankowski, Anna Dubaniewicz
PA849	**Inorganic exposome in pediatric sarcoidosis: The PEDIASARC study** Nadia Nathan (Paris, France), Nadia Nathan, Catherine Cavallin, Odile Macchi, Rola Abou Taam, Dominique Valeyre, Veronique Houdouin, Harriet Corvol, Caroline Perisson, Abdellatif Tazi, Xavier Amiot, Ralph Epaud, Anne Houzel, Nassima Hamami, Antoine Deschildre, Jacques De Blic, Annick Clement, Michel Vincent, Paul-André Rosental

Hall 14-12 Session 103 12:50 - 14:40

Thematic poster: Translational research in respiratory care: new findings

Chairs : Aurelie Fabre (Dublin, Ireland), Philipp A. Schnabel (Homburg/Saar, Germany), Helmut H. Popper (Graz, Austria), Nicolas Kahn (Heidelberg, Germany)

PA850	**LATE-BREAKING ABSTRACT: Disturbed mitochondrial dynamics and network in diaphragm muscle fibers of mechanically ventilated critically ill patients** Marloes van den Berg (Utrecht, Netherlands), Marloes van den Berg, Pleuni E. Hooijman, Albertus Beishuizen, Monique C. de Waard, Armand R.J. Girbes, Angelique Spoelstra - de Man, Ruud Zaremba, Michael W. Lawlor, Ger J.M. Stienen, Koen J. Hartemink, Marinus A. Paul, Roberto Bottinelli, Maria A. Pellegrino, Rob C.I. Wst, Coen A.C. Ottenheijm
PA851	**LATE-BREAKING ABSTRACT: Linoleic acid-derived lipid mediators increase in a female-dominated subphenotype of COPD** Craig Wheelock (Stockholm, Sweden), David Balgoma, Mingxing Yang, Marcus Sjodin, Stuart Snowden, Reza Karimi, Bettina Levanen, Heta Merikallio, Riitta Kaarteenaho, Lena Palmberg, Kjell Larsson, David Erle, Sven-Erik Dahlen, Barbro Dahlen, Magnus Skold, Asa Wheelock, Craig Wheelock
PA852	**LATE-BREAKING ABSTRACT: Sputum transcriptome analysis yields eosinophilic and non-eosinophilic inflammatory mechanisms in UBIOPRED asthma cohort** Chih Hsi Kuo (London, United Kingdom), Scott Chih-Hsi Kuo, Yike Guo, Ioannis Pandis, Stelios Pavlidis, Uruji Hoda, Christos Rossios, Julie Corfield, Ana Sousa, Ratko Djukanovic, Matthew Loza, Fred Baribaud, Peter J. Sterk, Ian M Adcock, Kian-Fan Chung
PA853	**Genetic basis of familial spontaneous pneumothorax and lung cysts in an Indian family** Suman Paul (Burdwan, India), Suman Paul, Anindita Ray, Bidyut Roy, Susmita Kundu
PA854	**Inflammatory gene polymorphisms in asthma and chronic obstructive pulmonary disease in Venezuela** Nancy Larocca (Caracas, Venezuela), Nancy Larocca, Dolores Moreno, Jenny Garmendia, Felix Toro, Juan De Sanctis
PA855	**Cytokine status and nitrosative stress indicators in patients with an exacerbation of COPD** Svetlana K. Soodaeva (Moscow, Russian Federation), Svetlana Soodaeva, Nailya Kubysheva, Larisa Postnikova, Marina Boldina, Kubat Rahatbek, Timur Li, Igor Klimanov
PA856	**Distinctive role of B-crystallin in COPD pathogenesis of smokers and non-smokers** Radostina Cherneva (Sofia, Bulgaria), Radostina Cherneva, Ognaian Daniela, Daniela Petrova, Dimitrina Dimitrova, Dimo Dimov, Tatyana Vlaykova
PA857	**The molecular and clinical diseasomeof comorbid diseases inchronic obstructive pulmonary disease** Rosa Faner Canet (Barcelona, Spain), Rosa Faner, Alba Gutiérrez-Sacristán, Ady Castro-Acosta, Solene Grosdidier, Jose Luis Lopez-Campos, Francisco Pozo-Rodriguez, Ferran Sanz, Laura Furlong, Alvar Agusti

PA858 **Endoplasmic reticulum disorganization is present in chronic obstructive pulmonary disease patients**
Julie Weidner (Lund, Sweden), Julie Weidner, Leif Bjermer, Ellen Tufvesson

PA859 **Modulation of symmetric dimethyarginine formation by apelin in human pulmonary endothelial cells**
Lars Harbaum (Hamburg, Germany), Lars Harbaum, Antonia Glatzel, Hans Klose, Rainer H. Böger, Nicole Lüneburg

PA860 **Gene expression changes in human bronchial epithelial cells in response to leukotriene E_4**
Siiri Altraja (Tartu, Estonia), Siiri Altraja, Mario Mitt, Alan Altraja

PA861 **MMP2 -1306C>T polymorphism and the enzyme plasma levels in patients with COPD**
Tanya Tacheva (Stara Zagora, Bulgaria), Tanya Tacheva, Dimo Dimov, Pavlina Chelenkova, Rumena Petkova, Krasimir Dimov, Stoyan Chakarov, Tatyana Vlaykova

PA862 **Asthma and diabetes: Possible markers of their co-existence. The possible role of transcription factors GATA-3 and T-bet and negative regulator of transcription SOCS1 in the worsening of asthma**
Michael Nyoma (St. Petersburg, Russian Federation), Vasily Ivanov, Lada Sorokina, Valeriy Mineev, Mikhail Nyoma, Anna Eremeeva, Ecaterina Rubeko, Snejana Petrova, Vasiliy Trofimov

PA863 **Markers of ageing in the limb muscle of patients with COPD**
Ramzi Lakhdar (Edinburgh, United Kingdom), Ramzi Lakhdar, Ellen Drost, Paul G. Shiels, William MacNee, Roberto Rabinovich

PA864 **Identification of extracellular nucleic acids and neutrophil extracellular traps in blood of patients with community-acquired pneumonia**
Larissa Muravlyova (Karaganda, Kazakhstan), Larissa Muravyova, Vilen Molotov-Luchanskiy, Ryszhan Bakirova, Dmitriy Klyuyev, Lyudmila Demidchik, Yevgenia Kolesnikova

PA865 **Metabolic alteration in red blood cells from patients with community-acquired pneumonia**
Dmitriy Klyuyev (Karaganda, Kazakhstan), Dmitiry Klyuyev, Larissa Muravyova, Vilen Molotov-Luchanskiy, Ryszhan Bakirova, Lyudmila Demidchik, Yevgenia Kolesnikova

PA866 **Electrophoresis of blood serum: A helpful diagnostic tool for identifying respiratory patients with alpha1-antitrypsin deficiency**
Adriana Ro y (Warsaw, Poland), Adriana Rozy, Katarzyna Duk, Joanna Chorostowska-Wynimko

PA867 **Alpha-1 antitrypsin genotypes and associated inhibitory activity towards neutrophil serine proteinases, in vivo**
Beata Poplawska-Wisniewska (Warsaw, Poland), Beata Poplawska-Wisniewska, Jadwiga Popow-Stellmaszyk, Radoslaw Struniawski, Aneta Stepniewska, Emil Wojda, Magdalena Wysocka, Pawel Sliwinski, Malgorzata Czajkowska-Malinowska, Beata Wajda, Dorota Krawiecka, Ewa Jassem, Sabina Janciauskiene, Adam Lesner, Joanna Chorostowska-Wynimko

Hall 14-13 Session 104 12:50 - 14:40

Thematic poster: New insights into lung disease pathogenesis

Chairs : Louise Donnelly (London, United Kingdom), Mazen Al-Alawi (Dublin, Ireland), Catherine Greene (Dublin, Ireland), Isis Enlil Fernandez (Munchen, Germany)

PA868 **Hyaluronic acid is associated with survival time in stable COPD independently of exacerbation rate, BODE index and adjusted Charlson score**
Eleni Papakonstantinou (Thessaloniki, Greece), Eleni Papakonstantinou, Ioannis Bonovolias, Michael Roth, Michael Tamm, Lucas Boeck, Andreas Scherr, Janko Rakic, Renaud Louis, Branislava Milencovic, Wim Boersma, Konstantinos Kostikas, Francesco Blasi, Ioachim Aerts, Gernot Rohde, Alicia Lacoma, Antoni Torres, Tobias Welte, Daiana Stolz

PA869 **Distinct localization of estrogen receptors in lungs of severe COPD patients**
Juanita H.J. Vernooy (Maastricht, Netherlands), Gonda Konings, Niki Reynaert, Andrea Romano, Emiel Wouters, Juanita Vernooy

PA870 **Cure bronchiectasis associated with anti-neutrophil cytoplasmatic antibodies (ANCA) with immunosuppressive therapy**
Raphael Lhote (Suresnes, France), Raphael Lhote, Tasnime Issoufaly, Christine Therodore, Loic Guillevin, Dominique François, Jean-Emmanuel Kahn, Louis-Jean Couderc, Colas Tcherakian

PA871 **Multivariate cluster analysis of immunopathological and clinical data from the U-BIOPRED severe asthma study: Preliminary results**
Susan Jane Wilson (Southampton, United Kingdom), Susan Wilson, Borislav Dimitrov, Ratko Djukanovic, Jonathan Ward, Ana Sousa, Julie Corfield, Peter Sterk, K. Fan Chung, Brabro Dahlen, Pascal Chanez, Dominick Shaw, Norbert Krug, Thomas Sandstrom, Peter Howarth, UBIOPRED Consortium

PA872	**Validation of the pitavastatin-induced angiomotin-like protein 1 that controls tight junction stability of lung microvascular endothelial cells via LKB1/AMPK activation** Yutaka Nakamura (Morioka, Japan), Rioto Suzuki, Yutaka Nakamura, Tomoki Mizuno, Kazuyuki Abe, Yuka Kaneko, Wataru Shigeeda, Tatsuo Tanita, Kohei Yamauchi
PA873	**Hypoxia associated with increased systemic concentrations of MPO and NE during exacerbations of COPD** Kristina Andelid (Göteborg, Sweden), Kristina Andelid, Pernilla Glader, Shigemi Yoshihara, Anders Andersson, Ann Ekberg-Jansson, Anders Lindén
PA874	**Transforming growth factor alpha expression in a transgenic mouse model impairs lung and diaphragm mechanics** Kimberley Wang (Canning Vale, Australia), Kimberley Wang, Christine Astell, Philip Wijesinghe, Alexander Larcombe, Gavin Pinniger, Brendan Kennedy, Graeme Zosky, David Sampson, Alan James, Timothy Le Cras, Peter Noble
PA875	**Features of inflammation in the asthma patients with osmotic airway hyperresponsiveness** Juliy Perelman (Blagoveshchensk, Amur Oblast, Russian Federation), Juliy M. Perelman, Anna G. Prikhodko, Elena V. Ushakova, Victor P. Kolosov
PA876	**The effect of interleukin-1 on lung ventilation and hypoxic chemoreception** Galina Danilova (Saint Petersburg, Russian Federation), Galina A. Danilova, Nina P. Aleksandrova
PA877	**TNF- -induced NF- B activation stimulates skeletal muscle glycolytic metabolism through activation of HIF-1** Alexander H Remels (Maastricht, Netherlands), Alexander Remels, Harry Gosker, Koen Verhees, Ramon Langen, Annemie Schols
PA878	**A murine ovalbumin model exhibits molecular features of steroid insensitive human asthma** Frederic Baribaud (Springhouse, United States of America), Frédéric Baribaud, Huiqing Liu, Patrick Branigan, Daniel Horowitz, Yanqing Chen, Joshua Wertheimer, Joel Tocker, Matthew Loza
PA879	**Aspiration, epithelial injury and lung diseases** Adil Aldhahrani (Newcastle, United Kingdom), Adil Aldhahrani, Jeffrey Pearson, Christopher Ward
PA880	**Macrophage phenotype does not affect protease anti-protease imbalance in COPD** Jessica Tilman (London, United Kingdom), Jessica Tilman, Amy Day, Natasha Madge, Peter Barnes, Louise Donnelly
PA881	**Role of protein phosphatase 5 (PP5) in mediating corticosteroid insensitivity in airway smooth muscle (ASM) cells in severe asthma** Latifa Chachi (Leicester, United Kingdom), Latifa Chachi, Mahnaz Abbasian, Adelina Gavrila, Omar Tliba, Christopher Brightling, Yassine Amrani
PA882	**Induced sputum supernatant eicosanoids during oral aspirin challenge of asthmatic patients with and without aspirin hypersensitivity and healthy controls** Maria Ignacak (Krakow, Poland), Maria Ignacak, Natalia Celejewska-Wojcik, Krzysztof Wojcik, Aleksandra Cholewa, Kinga Salapa, Krzysztof Oles, Krzysztof Sladek, Jacek Musial, Lucyna Mastalerz
PA883	**B-cell activating factor: The architect of lymphoid follicles in severe COPD** Francesca Polverino (Brookline, United States of America), Francesca Polverino, Borja Cosio, Maria Laucho-Contreras, Jaime Pons, Amanda Iglesias, Andreas Jahn, Jaume Sauleda, Miguel Divo, Victor Pinto-Plata, Alvar Agusti, Bartolome Celli, Caroline Owen
PA884	**Effects of dexamethasone and anti-inflammatory drugs on inflammatory cytokines from bronchial epithelial cells of COPD patients** brahim Koç (GAZ ANTEP, Turkey), Ibrahim Koc, Bulent Gogebakan, Recep Bayraktar, Demet Tasdemir, Ufkun Ozdemir, Ian Adcock, Hasan Bayram
PA885	**Bacterial load is associated with neutrophilic sputum in severe asthmatics** Chris Newby (Leicester, United Kingdom), Afsaneh Maleki, Chris Newby, Dhananjay Desai, Koirobi Haldar, Amisha Singapuri, Michael Barer, Rod Smallwood, Chris Brightling
PA886	**Fructosamine-3-Kinase: A molecular link between COPD and diabetes regulating carbonyl stress and the impact of metformin treatment** Amr Alderawi (Wolverhampton, United Kingdom), Amr Alderawi, Simon Dunmore, Gaetano Caramori, Andrew Hitchings, Emma Baker, Paul Kirkham

Hall 14-14 Session 105 12:50 - 14:40

Thematic poster: Airway remodelling: recent developments

Chairs : Sukhwinder Singh Sohal (Launceston, Australia), Colin Bingle (Sheffield, United Kingdom), Alen Faiz (Groningen, Netherlands), Markus Henke (Marburg, Germany)

PA887	**Characterisation of lung-resident pericytes in a house dust mite-driven model of asthma** Jessica Rowley (London, United Kingdom), Jessica Rowley, Kate Strong, Jill Johnson
PA888	**p53 dysfunction increased mitochondrial biogenesis and bronchial smooth muscle cell proliferation in asthma** Thomas Trian (Bordeaux, France), Thomas Trian, Benoit Allard, Elise Maurat, Isabelle Dupin, Olga Ousova, Pierre-Olivier Girodet, Roger Marthan, Patrick Berger
PA889	**Increased circulating fibrocytes associated with lung function decline in COPD patients with desaturation during 6 minute walk test** Chun-Hua Wang (Taipei, Taiwan), Chun-Hua Wang, Tzu-Ting Huang, Han-Pin Kuo
PA890	**Lysyl oxidases in idiopathic pulmonary fibrosis: A key participant in collagen I matrix remodelling** Gavin Tjin (Sydney, Australia), Gavin Tjin, Annabelle Mahar, Eleanor Kable, Janette Burgess
PA891	**Pulmonary fibroblasts are affected by notch ligands in vitro** Katharina Heugenhauser (Innsbruck, Austria), Katharina Heugenhauser, Kathrin Watzinger, Christian M. Kaehler
PA892	**LSC Abstract – High mobility group box 1 modulates lung innate immunity by promoting wound healing and cytokine release in human bronchial epithelial cells** Oluwaseun Ojo (Winnipeg, Canada), Oluwaseun Ojo, Min Hyung Ryu, Gerald Stelmack, Aruni Jha, Jacquie Schwartz, Andrew Halayko
PA893	**Effect of nintedanib, pirfenidone, N-acetylcysteine and their combinations on cultured myofibroblast-type cells derived from patients with asbestosis and idiopathic pulmonary fibrosis** Anniina Veijola (Oulu, Finland), Anniina Veijola, Riitta Kaarteenaho, Siri Lehtonen
PA894	**Transforming growth factor alpha increases extracellular matrix within the airway smooth muscle layer in a transgenic mouse model of airway disease** John Elliot (Perth, Australia), John Elliot, Alan James, Kimberley Wang, Alexander Larcombe, Graeme Zosky, Timothy Le Cras, Peter Noble
PA895	**A possible role of Krüppel-like factor 5 in small airway wall fibrosis in COPD** Hisatoshi Sugiura (Sendai, Japan), Hisatoshi Sugiura, Kyoko Abe, Yuichiro Hashimoto, Akira Koarai, Mitsuhiro Yamada, Tadahisa Numakura, Katsuhiro Onodera, Masakazu Ichinose
PA896	**Link between airway inflammation and remodeling: TNF induces airway smooth muscle cell proliferation via an ET1/GMCSF/IL6 network** Juergen Knobloch (Bochum, Germany), Juergen Knobloch, Sarah Yanik, Sandra Körber, David Jungck, Erich Stoelben, Andrea Koch
PA897	**The critical role of bronchial smooth muscle remodeling in non-severe asthma** Pierre-Olivier Girodet (Bordeaux, France), Pierre-Olivier Girodet, Benoit Allard, Matthieu Thumerel, Hugues Begueret, Isabelle Dupin, Olga Ousova, Elise Maurat, Annaig Ozier, Thomas Trian, Roger Marthan, Patrick Berger
PA898	**The extracellular matrix deposited by asthmatic airway smooth muscle cells in a resting state reflects a healthy matrix** Louise Harkness (Tarrawanna, Australia), Louise Harkness, Anthony Ashton, Janette Burgess
PA899	**Airway remodelling in the U-BIOPRED severe asthma cohort** Susan Jane Wilson (Southampton, United Kingdom), Susan Wilson, Jonathan Ward, Helen Rigden, Ana Sousa, Julie Corfield, Peter Sterk, K. Fan Chung, Djukanovic Ratko, Brabro Dahlen, Pascal Chanez, Dominick Shaw, Norbert Krug, Thomas Sandstrom, Peter Howarth, U-BIOPRED Consortium
PA900	**Different stages of wound repair in differentiated human bronchial epithelial cells show altered microRNA expression** Beata Narozna (Poznan, Poland), Beata Narozna, Aleksandra Szczepankiewicz, Peter M. Lackie, John W. Holloway
PA901	**Farm dust extract increases the epithelial barrier function of bronchial epithelial cells** Luciën van der Vlugt (Alphen aan den Rijn, Netherlands), Luciën E.P.M. Van der Vlugt, Katrien Eger, Gimano D. Amatngalim, Christoph Müller, Franz Bracher, Erika Von Mutius, Hermelijn H. Smits, Pieter S. Hiemstra
PA902	**Epithelial to mesenchymal transition in basal progenitor epithelial cells cultured from smokers and COPD patients** Jo-Maree Courtney (Blackmans Bay, Australia), Jo-Maree Courtney, Patricia Spafford, Kaitlyn Scolyer, Cameron Hunter, E. Haydn Walters
PA903	**Epithelial mesenchymal transition (EMT) in small and large airways of smokers; and relation to airflow obstruction** Sukhwinder Singh Sohal (Launceston, Australia), Sukhwinder Singh Sohal, Malik Quasir Mahmood, Shakti Dhar Shukla, Ashutosh A. Hardikar, Wan Danial Noor, H. Konrad Muller, Darryl Knight, Eugene Haydn Walters

PA904	**Potential role of SPARC, a downstream mediator of TGF-b in chronic airways disease** Sharon Wong (Maroubra, Australia), Sharon Wong, Zaridatul Ibrahim, Peter Wark, Maria Sukkar
PA905	**Surface-bound TIMP-1 on PMNs promotes pericellular proteolysis: A new culprit in COPD?** Francesca Polverino (Brookline, United States of America), Francesca Polverino, Li Zhang, Maria Laucho-Contreras, Caroline Owen

Hall 14-15 Session 106 12:50 - 14:40

Thematic poster: Translational studies in airway cell biology

Chairs : Bernd Schmeck (Marburg, Germany), Julie Laval (Tübingen, Germany), Ann B. Millar (BRISTOL, United Kingdom), Adam Barczyk (Katowice, Poland)

PA906	**Particulate matter-induced microparticle generation by human endothelial cells: A novel link between cardiopulmonary diseases and airborne pollutants** Tommaso Neri (Pisa, Italy), Tommaso Neri, Laura Pergoli, Silvia Petrini, Francesca Faita, Cristina Balia, Valentina Scalise, Mirjam Hoxha, Federica Rota, Roberto Pedrinelli, Pierluigi Paggiaro, Valentina Bollati, Alessandro Celi
PA907	**Electrophysiological study of the ENaC function of sheep tracheal epithelium with and without cigarette smoke extract exposure** Sotirios Zarogiannis (Larisa, Greece), Sotirios Zarogiannis, Alexandros Grammatikopoulos, Rajesh Jagirdar, Dimitris Magouliotis, Vassiliki Peppa, Zoi Arsenopoulou, Ioannis Makantasis, Paschalis Adam Molyvdas, Konstantinos Gourgoulianis, Chrissi Hatzoglou
PA908	**An integrated culture system for in vitro human airway modeling** Juan Hou (Vancouver, Canada), Juan Hou, Michael Riedel, Terry Thomas, Allen Eaves, Shron Louis
PA909	**Mitochondrial function in three different types of airway epithelial cells** Weerawon Thangboonjit (London, United Kingdom), Weerawon Thangboonjit, Peter Barnes, Andrew Durham, Ian Adcock
PA910	**CEACAM6-high airway neutrophils and epithelial cells are a feature of severe asthma** Aarti Parmar (Leicester, United Kingdom), Aarti Shikotra, David Choy, Salman Siddiqui, Greer Arthur, Deepti Nagarkar, Jia Guiquan, Chandra Ohri, Emma Doran, Claire Butler, Beverley Hargadon, Alexander Abbas, Janet Jackman, Lawren Wu, Liam Heaney, Joe Arron, Peter Bradding
PA911	**Effect of whole cigarette smoke exposure and CCSP on MUC5AC mucin production in primary cultures of human bronchial epithelial cells at air-liquid interface of COPD, smokers and control patients** Jeremy Charriot (Montpellier, France), Jérémy Charriot, Aurélie Petit, Lucie Knabe, Gamez Anne-Sophie, Isabelle Vachier, Arnaud Bourdin
PA912	**Characterisation of a novel 3D model of the airways** Tankut G. Guney (London, United Kingdom), Tankut G. Guney, Henry Danahay, Andrew L. Durham, Christos Rossios, Fan Chung, Mark Dowling, Ian Adcock
PA913	**Neutrophil elastase contributes to activated human neutrophil-induced rat small airway dysfunction** Natasha Madge (Kent, United Kingdom), Natasha Madge, Louise Donnelly, Duncan Rogers
PA914	**Characterization of toll-like receptor 7 (TLR7) expression on airway nerves** Matthew Drake (Portland, United States of America), Matthew Drake, Katherine Lebold, Emily Blum, Allison Fryer, David Jacoby
PA915	**Effect of respiration on primary human alveolar epithelial cells** Andreas Stucki (Bern, Switzerland), Andreas O. Stucki, Sean R.R. Hall, Janick D. Stucki, Marcel Felder, Yves Mermoud, Ralph A. Schmid, Thomas Geiser, Olivier T. Guenat
PA916	**Egr-1 regulates muc5ac expression through activator protein-1 (AP-1) in chronic airway inflammation diseases** Chao Zhang (HangZhou, China), Chao Zhang, Yan-Ping Wu, Jiao-Fei Cao, Yun Zhao, Zhi-Hua Chen, Hua-Hao Shen
PA917	**Seasonal variation in success and ciliation of airway epithelial cells cultured at air-liquid interface; patients samples referred for primary ciliary dyskinesia testing** Claire Jackson (Southampton, United Kingdom), Claire Jackson, Janice Coles, James Thompson, Jane Lucas
PA918	**Chemotaxis of mesenchymal progenitor cells in the murine lung** Kate Strong (London, United Kingdom), Kate Strong, Jess Rowley, Jill Johnson
PA919	**Expression and function of a novel membrane-spanning protein, MS4A8B, in the human airways** Li Eon Kuek (Melbourne , Australia), Li Eon Kuek, Mark Hulett, Donna Davies, Graham Mackay

PA920	**PCDH1: Localization and cell-adhesion in airway epithelium in asthma** Grissel Faura Tellez (Groningen, Netherlands), Grissel Faura Tellez, Uilke Brouwer, Brigitte Willemse, Jacobien Noordhoek, Irene Hejink, Maaike Vries de, Natalie Smithers, Dirkje Postma, Wim Timens, Laura Wiffen, John Holloway, Peter Lackie, Martijn Nawijn, Gerard Koppelman
PA921	**Analysing disease-specific variants of thymic stromal lymphopoietin (TSLP) in asthma** Jessica Donaldson (Southampton, United Kingdom), Jessica Donaldson, David Smart, Emily Swindle, Matt Edwards, Peter Howarth, Donna E. Davies
PA922	**Differential expression of uPAR in cultured bronchial epithelial cells from asthma patients** Sangita Bhatti (Nottingham, United Kingdom), Sangita Bhatti, Michael Portelli, Mariel Slater, Dominick Shaw, Ian Sayers
PA923	**Distinct gene expression profiles of cultured stromal cells from the patients with idiopathic pulmonary fibrosis and lung adenocarcinoma** Siri Lehtonen (Oulu, Finland), Siri Lehtonen, Henna Karvonen, Elisa Lappi-Blanco, Raija Sormunen, Riitta Kaarteenaho
PA924	**Altered airway epithelial cell specification in COPD** Sophie Gohy (Tervuren, Belgium), Sophie Gohy, Chantal Fregimilicka, Bruno Detry, Caroline Bouzin, Birgit Weynand, Charles Pilette
PA925	**Effects of diesel exhaust on differentiated primary bronchial epithelial cells using in vitro exposure system** Maria C Zarcone (Oegstgeest, Netherlands), Maria C. Zarcone, Evert Duistermaat, Annemarie Van Schadewijk, Pieter S. Hiemstra, Ingeborg M. Kooter

Hall 14-16 Session 107 12:50 - 14:40

Thematic poster: Pulmonary fibrosis: mechanisms of disease

Chairs : Gunilla Westergren-Thorsson (Lund, Sweden), Philippe Bonniaud (Dijon, France), Seamas Donnelly (Dublin, Ireland), Eric White (Ann Arbor, United States of America)

PA926	**C21, a nonpeptide angiotensin II type 2 receptor agonist attenuates lung fibrosis and associated cardiac dysfunction** michael katovich (Gainesville, United States of America), Anandharajan Rathinasabapathy, Alana Horowitz, Kelsey Horton, Ulrike Steckelings, Thomas Unger, Colin Sumners, Mohan Raizada, Vinayak Shenoy, Michael Katovich
PA927	**Infliximab, an anti-tumor necrosis factor- attenuates bleomycin-induced pulmonary fibrosis in rats** Nejat Altintas (Samsun, Turkey), Nejat Altintas, Mustafa Erboga, Cevat Aktas
PA928	**Pulmonary expression of alternatively spliced tissue factor as a potential prognostic marker in idiopathic pulmonary fibrosis** Keren Borensztajn (Paris, France), Charlène François, Raphaël Borie, Olivier Bardou, Awen Menou, Bruno Crestani, Keren Borensztajn
PA929	**K_{Ca}3.1 channel inhibition prevents fibrotic responses in a human lung explant model** Katy Roach (Leicester, United Kingdom), K.M. Roach, P. Bradding
PA930	**A role of Foxc2 gene in mice with bleomycin-induced pulmonary fibrosis** Mayoko Tsuji (Tokyo, Japan), Maoko Tsuji, Masae Morishia, Kazuhiko Shimizu, Mitsuko Kondo, Jun Tamaoki, Taichi Ezaki
PA931	**Altered extracellular matrix in transplanted lungs as a potential marker for chronic rejection** Catharina Mueller (Lund, Sweden), Catharina Müller, Annika Andersson-Sjöland, Krister Mogianos, Hans Henrik Schultz, Claus B. Andersen, Martin Iversen, Gunilla Westergren-Thorsson
PA932	**Increased levels of glycosaminoglycans in lungs from patients with IPF** Oskar Hallgren (Lund, Sweden), Gunilla Westergren-Thorsson, Annika Nybom, Göran Dellgren, Xiao-Hong Zhou, Leif Bjermer, Oskar Hallgren
PA933	**BIBF1120 inhibits fibroblasts proliferation and production of the extracellular matrix protein fibulin-1** Janette K Burgess (Missenden Road, Australia), Janette Burgess, Lizzie Munk, Jade Jaffar, Judith Black, Brian Oliver
PA934	**SMAD2 mRNA expression is upregulated in fibrosing interstitial lung diseases (ILDs)** Peter Paluch (Prague, Czech Republic), Peter Paluch, Martina Sterclova, Irena Brabcova, Ondrej Viklicky, Martina Vasakova
PA935	**mTOR signalling is an essential pathway for TGF- $_1$ induced collagen synthesis** Hannah Woodcock (London, United Kingdom), Hannah Woodcock, Simon Peace, Carmel Nanthakumar, Toby Maher, Paul Mercer, Rachel Chamers

PA936 **Romidepsin (FK228) target focal adhesion kinase (FAK) expression in lung fibrosis**
franco conforti (southamtpon, United Kingdom), Franco Conforti, Leanne Wickens, Mark Jones, Paul Skipp, Kate O'Reilly, Donna Davies

PA937 **Erythropoietin (EPO) inhibits the immunohistochemical expression of lysyl oxidase (LOX) in bleomycin (BLM)-induced pulmonary fibrosis (PF) in rats**
Drosos Tsavlis (Thessaloniki, Greece), Drosos Tsavlis, Afroditi Papadopoulou, Anastasia Tektonidou, Anna Tzoumaka

PA938 **Establishment of alveolar epithelial progenitor cells from the lung with ABCA3 mutations**
Chiharu Ota (Sendai, Japan), Chiharu Ota, Yukiko Tando, Satoshi Kamata, Yusuke Takei, Mitsuhiro Yamada, Mutsuo Yamaya, Shigeo Kure, Hiroshi Kubo

PA939 **HDAC inhibitors may regulate EMT and surfactant protein C in human alveolar epithelial cells**
Vijay D'Souza (Birmingham, United Kingdom), Vijay D'Souza, Domokos Bartis, Aaron Scott, Fang Gao Smith, David Thickett

PA940 **Arginase 1 contributes to fibrogenesis in the lungs of silica-challenge mice**
Davidson Furtado Dias (Rio de Janeiro, Brazil), Davidson Furtado Dias, Bianca Torres Ciambarella, Vinícius De Frias Carvalho, Marco Aurélio Martins, Patrícia Machado Rodrigues e Silva Martins

PA941 **Prevalence and trafficking of circulating fibrocytes in smoking-related fibrogenic lung diseases**
Faheem Khan (Dublin, Ireland), Faheem Khan, D. White, E.P. Judge, S. Walsh, J. Worrell, E. Cotter, R. Kane, A. Fabre, M.P. Keane, M.W. Butler

PA942 **Effects of bone-marrow derived mononuclear cells from silicotic and healthy donors in experimental silicosis**
Helena Oliveira (Rio de Janeiro, Brazil), Helena Oliveira, Elga Bandeira, Miquéias Lopes-Pacheco, Johnatas Silva, Christina Takyia, Patrícia Rocco, Marcelo Morales

PA943 **Effect of intratracheal administration of adipose-derived stromal cells on bleomycin-induced lung injury in a rat model**
Masato Uji (Osaka, Japan), Masato Uji, Yuko Kureya, Kazuhiro Yamada, Tetsuya Watanabe, Kazuhisa Konishi, Kazuhisa Asai, Tatsuo Nakamura, Kazuto Hirata

PA944 **The secretome of induced pluripotent stem cells (iPSC) modulates macrophage phenotype in the fibrotic lung**
Luca Tamò (Bern, Switzerland), Luca Tamò, Amiq Gazdhar, Anis Feki, Thomas Geiser

PA945 **Effect of low level laser therapy in a model of pulmonary idiopathic fibrosis**
Nicole Oliveira (São Paulo, Brazil), Nicole Cristine Rigonato-Oliveira, Aurileia Aparecida Brito, Gabriel Moraes, Clariana Soares, Jefferson Comin Aquino-Junior, Luana Beatriz Vitoretti, Rodolfo de Paula Vieira, Ana Paula Ligeiro-Oliveira

Hall 14-17 Session 108 12:50 - 14:40

Thematic poster: Lung function: exploring the boundaries of the respiratory system

Chairs : Liam Welsh (Melbourne, Australia), Karl Sylvester (Streatley, United Kingdom), Tiago Jacinto (Senhora da Hora, Portugal), Monika Franczuk (Warsaw, Poland)

PA946 **Reference equations for peak nasal inspiratory flow in Portuguese adults**
Ivânia Gonçalves (Vila Nova de Famalicão, Portugal), Ivânia Gonçalves, Ana Margarida Pereira, Tiago Jacinto, Luís Araújo, Mariana Couto, Ana Sá-Sousa, Helena Pité, Mário Morais-Almeida, João Fonseca

PA947 **FEV1 and sRaw in bronchial challenge testing, exchangeable or supplementaFEV1 and sRaw in bronchial challenge testing, exchangeable or supplemental?**
Florine J.E. van der Horst-van der Vegt (Gravenhage, Netherlands), Florine Van der Horst, Jelmer Vahl, Saar Van Nederveen, Guustaaf Van der Meijden, Harry Heijerman

PA948 **Usefulness of respiratory impedance by measuring at functional residual capacity position**
Toshiyuki OGASA (Kitami City, Hokkaido, Japan), Toshiyuki Ogasa, Shinobu Osanai

PA949 **Correlations between fractional exhaled nitric oxide and age and lung function in healthy Thai adults**
Wilaiwan Khrisanapant (Khon Kaen, Thailand), Wilaiwan Khrisanapant, Tichanon Promsrisuk, Orapin Pasurivong, Watchara Boonsawat, Boonsong Patjanasoontorn, Burabha Pussadhamma, Paitoon Benjapornlert

PA950 **Comparison of different inspiratory muscle warm-up protocols**
Jana Kivastik (Tartu, Estonia), Jana Kivastik, Mati Arend, Jarek Mäestu

PA951 **Electromyography activity of the rectus abdominis, internal oblique, and external oblique muscles during forced expiration in healthy adults**
Kenichi Ito (Habikino-shi,Osaka, Japan), Kenichi Ito, Koji Nonaka, Shinya Ogaya, Jun Horie

PA952	**Assessment of the Japanese reference value of a new portable instrument for the diffusing capacity of the lungs for carbon monoxide** Makiko Nakano (Tokyo, Japan), Makiko Nakano, Satoko Iwasawa, Akiyo Tanaka, Miyuki Hirata, Kazuyuki Omae
PA953	**Age-related changes in respiratory fitness in healthy Thais 20-78 years** Tichanon Promsrisuk (Khon Kaen , Thailand), Tichanon Promsrisuk, Wilaiwan Khrisanapant, Orapin Pasurivong, Watchara Boonsawat, Boonsong Patjanasoontorn, Burabha Pussadhamma, Paitoon Benjapornlert
PA954	**Predictors of progression and risk of unfavorable outcome of chronic obstructive pulmonary disease** Kamola Ubaydullaeva (Tashkent, Uzbekistan), Kamola Ubaydullaeva
PA955	**The combination of forced expiratory tracheal noise time and band pass energy divides patients with bronchial obstruction into two clusters** Irina Pochekutova (Vladivostok, Primorsky Krai, Russian Federation), Irina Pochekutova, Vladimir Korenbaum, Veronika Malaeva, Anatoly Kostiv, Valentina Kudryavtseva
PA956	**The simple way of lung membrane diffusion capacity and alveolar volume evaluation** Evgeny V Babarskov (Moscow, Russian Federation), Evgeny Babarskov, Alexander Cherniak, Zaurbek Aisanov, Alexander Chuchalin
PA957	**Evaluation of a novel chest wall motion analysis system in cystic fibrosis and healthy volunteers** Christopher Golby (Coventry, United Kingdom), Christopher K. Golby, James M. Harte, Edward F. Nash, Theodoros Arvanitis, Babu Naidu
PA958	**Development and validation of a low-cost chest wall motion assessment system** Christopher Golby (Coventry, United Kingdom), Christopher Golby, Ludovica Pippa, Andrea Aliverti, Theodoros Arvanitis, Babu Naidu
PA959	**Do the CPAP auto titration systems (APAP) require calibration?** Gianni Prest (Imperia, Italy), E. Isnardi, F. Bertolino, G. Prest
PA960	**Specific airway resistance as a marker of early disease in alpha-1 antitrypsin deficiency** James Stockley (Birmingham, United Kingdom), James Stockley, Laura Smith, Brendan Cooper, Robert Stockley, Elizabeth Sapey
PA961	**Lung function and respiratory muscle strength in amyotrophic lateral sclerosis** Astrid Sandnes (Bergen, Norway), Astrid Sandnes, Tiina Andersen, Maria Vollsæter, Ove Fondenes, Ola Røksund, Thomas Halvorsen, Hege Clemm
PA962	**Respiratory function in systemic sclerosis patients** Malika Mustafina (Moscow, Russian Federation), Malika Mustafina, Alexandr Cherniak, Galina Nekludova, Olga Koneva, Oksana Desinova
PA963	**Diffusion lung capacity changes in Hodgkin lymphoma patients before and after ABVD chemotherapy** muhammad Abdullah (lahore, Pakistan), Muhammad Abdullah, Shoaib Alam, Waleed Zafar, Abdul Majid, Ali Saeed Wahla
PA964	**The long-term functional changes in COPD patients effected to the ionization radiation** Kostiantyn Bazyka (Kiev, Ukraine), Kostiantyn Bazyka, Liudmyla Shvaiko, Viktor Sushko

Hall 14-18 Session 109 12:50 - 14:40

Thematic poster: Respiratory physiotherapy assessment and techniques in COPD and asthma

Chairs : Nidia Aparecida Hernandes (Londrina, Brazil), Heleen Demeyer (Halle, Belgium), Christian Osadnik (Melbourne, Australia), Jordi VILARO CASAMITJANA (Barcelona, Spain)

PA965	**Breathing exercises for children with asthma** Gabriela Chaves (Belo Horizonte, Brazil), Gabriela Chaves, Thalita Macêdo, Diana Freitas, Raquel Britto, Karla Mendonça
PA966	**The effects of dyspnea on physical fitness level, daily living activities and anxiety-depression in patients with asthma** Manolya Acar (Ankara, Turkey), Manolya Acar, Neslihan Durutürk, Mustafa Ilgaz Dogrul
PA967	**Effects of inspiratory muscle training on respiratory muscle strength, exercise capacity, physical fitness and daily living activities in patients with asthma** Neslihan Durutürk (Ankara, Turkey), Neslihan Duruturk, Manolya Acar, Mustafa Ilgaz Dogrul
PA968	**Thermal imaging of inspiratory muscle training in patients with asthma- A pilot study** Neslihan Durutürk (Ankara, Turkey), Neslihan Duruturk, Nihan Ozunlu Pekyavas, Manolya Acar

PA969	**Brompton BPAT: A useful tool to assess breathing pattern disorder in asthma?** Rebecca Livingston (Borehamwood, United Kingdom), Rebecca Livingston, Lizzie Grillo, Susie Regan, Andy Menzies-Gow, James Hull
PA970	**A comparison of extrapulmonary features in patients with asthma and healthy individuals** Hazal Sonbahar (Ankara, Turkey), Hazal Sonbahar, Deniz Inal-Ince, Melda Saglam, Naciye Vardar-Yagli, Ebru Calik-Kutukcu, Cemile Bozdemir-Ozel, Aslihan Cakmak, Hülya Arikan, Gül Karakaya, Ali Fuat Kalyoncu
PA971	**Validity and repeatability of the counting numbers technique from the slow vital capacity in hospitalized individuals** Marco Junior (Recife, Brazil), Marco Junior, Anna Escossio, Flávio Andrade, Emilia Costa, Emanuel Sarinho, Angelo Rizzo, Silvia Sarinho
PA972	**Peripheral arterial disease in COPD patients** Irene Torres Sanchez (Santa Fe, Spain), Irene Torres-Sánchez, Marie Carmen Valenza, Francisco Manuel Cano Egea, Roberto Cruz-Ramírez, Isabel López-Torres, Irene Cabrera-Martos
PA973	**Immediate effects of manual therapy in patients with chronic obstructive pulmonary disease** Gül Deniz Yilmaz Yelvar (Ankara, Turkey), Gül Deniz Yilmaz Yelvar, Yasemin çirak, Yasemin Parlak Demir, Murat Dalkilinç, Deniz Kizilirmak, Bülent Bozkurt
PA974	**Exercise capacity and muscle strength influences in geriatric individuals with COPD** Gül ah Özsoy (Izmir, Turkey), Ismail Ozsoy, Sema Savci, Gulsah Ozsoy, Serap Acar, Sevgi Ozalevli, Atila Akkoclu
PA975	**Impact of two factors of combined COPD classification on the peripheral muscle strength and exercise tolerance** Júlia Gianjoppe-Santos (São Carlos, Brazil), Julia Gianjoppe-Santos, Marina S. Barusso, Anna Claudia Sentanin, Valéria A. Pires Di Lorenzo
PA976	**Reliability of the force platform in patients with COPD: Preliminary results** Igor Brito (Londrina, Brazil), Igor Lopes De Brito, Larissa Araújo De Castro, Débora Rafaelli De Carvalho, Rubens Alexandre Da Silva Junior, Vanessa Suziane Probst
PA977	**Analysis of different equations to predict quadriceps femoris muscle strength in patients with COPD** Aline Nellessen (Londrina, Brazil), Aline Gonçalves Nellessen, Leila Donária, Nidia Aparecida Hernandes, Fabio Pitta
PA978	**Do patients with COPD who live alone present better functional status than those who do not?** Thaís Paes (Londrina, Brazil), Thaís Paes, Letícia F. Belo, Leila Donária, Aline Nellessen, Karina Furlanetto, Thaís Sant'Anna, Fabio Pitta, Nidia A. Hernandes
PA979	**Responsiveness of the Dutch version of the London chest activity of daily living scale (LCADL) in patients with severe COPD** Peter Klijn (Hilversum, Netherlands), Monique Legemaat, Anita Beelen, Anton Van Keimpema, Rachel Garrod, Mirella Bergsma, Andrew Stuijfzand, Henk Van Stel, Peter Klijn
PA980	**Therapeutic validity and effectiveness of supervised physical exercise in patients with COPD - A systematic review and meta-analysis** Martijn Vooijs (Leiden, Netherlands), Martijn Vooijs, Petra Siemonsma, Inge Heus, Jacob Sont, Ton Rövekamp, Nico Van Meeteren
PA981	**ATS/ERS criteria for oxygen supplementation and progression of work rate during exercise training sessions in patients with COPD** Antenor Rodrigues (Londrina, Brazil), Antenor Rodrigues, Karina Couto Furlaneto, Larissa Siani, Andrea Akemi Morita, Fernanda Morakami, Thais Paes, Gianna W. Bisca, Aline Nellessen, Leila Donaria, Nidia A. Hernandes, Fabio Pitta
PA982	**Pressures generated using an improvised PEP device in a COPD and healthy population** Daniel Robins (Callaghan, Australia), Daniel Robins, Matthew Egan, Catherine Johnston, Clint Newstead, Jennifer Mackney
PA983	**Regional contributions of the ribcage and abdomen in healthy adults and patients with chronic respiratory disease during quiet breathing and speech** Rokhsaneh Tehrany (Southampton, United Kingdom), Rokhsaneh Tehrany, Anna Barney, Anne Bruton
PA984	**Changes in breathing pattern at comparable levels of ventilation after inspiratory muscle training in COPD patients with inspiratory muscle weakness** Noppawan Charususin (Leuven, Belgium), Noppawan Charususin, Daniel Langer, Heleen Demeyer, Marko Topalovic, Marc Decramer, Rik Gosselink

Hall 14-19 Session 110 12:50 - 14:40

Thematic poster: Safety of and interactions between current treatments for asthma and COPD

Chairs : Paola Rogliani (Rome, Italy), Fabrizio Luppi (Spilamberto, Italy), Dragos Bumbacea (Bucarest, Romania), Maria Gabriela Belvisi (London, United Kingdom)

PA985	**Safety of tiotropium in patients with cardiac events in the TIOSPIR™ trial** Robert Wise (Baltimore, United States of America), Robert Wise, Andy Fowler, Norbert Metzdorf, Helen Dewberry, Achim Mueller, Peter Kowey
PA986	**Safety of tiotropium in patients with cardiac events in the UPLIFT® trial** Donald Tashkin (Los Angeles, United States of America), Donald Tashkin, Andy Fowler, Norbert Metzdorf, Helen Dewberry, Achim Mueller, Marc Decramer
PA987	**Bronchodilator effect of high strength extrafine BDP/formoterol delivered via NEXThaler® in asthmatics** Mario Scuri (Parma, Italy), Brian Leaker, Adeep Puri, Mario Scuri, Sara Collarini, Annalisa Piccinno, Elena Carzana, Silvia Geraci, Dave Singh
PA988	**Cardiovascular safety of extrafine beclomethasone/formoterol (BDP/FF) delivered via a novel dry powder inhaler (NEXThaler®) in COPD patients** Mario Scuri (Parma, Italy), Dave Singh, Giorgia Ciurlia, Annalisa Piccinno, Anna Compagnoni, Maria Bocchi, Mario Scuri
PA989	**Overall and cardiovascular safety of aclidinium/formoterol fixed-dose combination versus salmeterol/fluticasone in patients with COPD** Jutta Beier (Wiesbaden, Germany), Jutta Beier, Claus Vogelmeier, Robert Mroz, Sergi Pascual, Rosa Maria Segarra, Alejhandra Lei, Gonzalo De Miquel
PA990	**Efficacy and safety of QVA149 compared with salmeterol/fluticasone combination (SFC) in Chinese patients with moderate-to-severe COPD: A subgroup analysis from the LANTERN study** Nan Shan Zhong (Guangzhou, China), Nanshan Zhong, Changzheng Wang, Xiangdong Zhou, Nuofu Zhang, Francesco Patalano, Michael Humphries, Linda Wang, Donald Banerji
PA991	**Safety and effectiveness of indacaterol in Korean COPD patients: A post-marketing surveillance (PMS) study** Yeon Oh (Seoul, Republic of Korea), Ho-Kee Yum, Hak-Ryul Kim, Yoon-Soo Chang, Kyeong-Cheol Shin, Yeon-Mok Oh, Song Kim
PA992	**Effects of the new ultra-long-acting ^{2} $_{2}$-AR agonist indacaterol in chronic treatment alone or in combination with the ^{2} $_{1}$-AR blocker metoprolol on cardiac remodelling** Luigino Calzetta (Rome, Italy), Luigino Calzetta, Barbara Rinaldi, Maria Donniacuo, Eugenio Martuscelli, Augusto Orlandi, Maria Gabriella Matera
PA993	**Searching for synergistic interaction between aclidinium (ACL) and formoterol (FOR): From bench to bedside** Luigino Calzetta (Rome, Italy), Luigino Calzetta, Josuel Ora, Paola Rogliani, Maria Gabriella Matera, Mario Cazzola
PA994	**Lung function with aclidinium/formoterol fixed-dose combination: Pooled analysis of two phase III studies in COPD** Dave Singh (Manchester, United Kingdom), Dave Singh, Anthony D. D'Urzo, James F. Donohue, Ferran Chuecos, Anne Leselbaum, Esther Garcia Gil
PA995	**Efficacy of tiotropium and olodaterol fixed-dose combination in patients with COPD on -blockers** Eric Derom (Gent, Belgium), Eric Derom, Stephanie Korn, Alan Hamilton, Valeria C. Amatto, Yihua Zhao, François Maltais
PA996	**Comparison of protective effect of bronchodilators in COPD** Irina Trofimenko (Irkutsk, Irkutsk Oblast, Russian Federation), Irina Trofimenko, Boris Chernyak
PA997	**Effects of extra fine formoterol or coarse particle salmeterol on impulse oscillometry (IOS) in corticosteroid treated persistent asthmatics** Arvind Deva Manoharan (Dundee, United Kingdom), Arvind Manoharan, Alexander Von Wilamowitz-Moellendorff, Ashley Morrison, Brian Lipworth
PA998	**Budesonide augments formoterol-induced bronchodilation of human small airways within minutes** Reynold Panettieri (Philadelphia, United States of America), Cynthia Koziol-White, Jie Zhang, Anna Miller-Larsson, Ian Dainty, Reynold Panettieri
PA999	**Safety of bi-weekly infusion of A_1-PI augmentation therapy in RAPID** Niels Seersholm (Copenhagen, Denmark), Niels Seersholm, Robert Sandhaus, Kenneth R. Chapman, Jonathan Burdon, Eeva Piitulainen, James Stocks, Michael Tortorici, Tanja Rosenberg, Oliver Vit, Martin Bexon, Jonathan Edelman, N. Gerard McElvaney
PA1000	**The add-on effect of tiotropium bromide to ICS/LABA combination inhaler for the patients with severe uncontrolled asthma** Masayuki Hojo (Tokyo, Japan), Masayuki Hojo, Motoyasu Iikura, Haruhito Sugiyama, Toshihiro Shirai

PA1001	**Clinically important deterioration in patients with COPD using umeclidinium/vilanterol, tiotropium or placebo: Pooled data** M. Reza Maleki-Yazdi (Toronto, Canada), M. Reza Maleki-Yazdi, Dave Singh, Antonio Anzueto, Lee Tombs, Ian Naya, Stephanie Harris, Ahmar Iqbal
PA1002	**Effect of a 10-day oral corticosteroid course on hemostasis and inflammation in patients with stable asthma** Christof J. Majoor (Baarn, Netherlands), Christof Majoor, Marlous Sneeboer, Anne De Kievit, Joost Meijers, Tom Van der Poll, Rene Lutter, Pieter Willem Kamphuisen, Elisabeth Bel
PA1003	**In vitro analysis of bronchodilators effect on peroxide lipid oxidation** Usman Farkhutdinov (Ufa, Republic of Bashkortostan, Russian Federation), Usman Farkhutdinov, Shamil Farkhutdinov, Valeriy Petriakov
PA1004	**Glucose and lactate concentrations in the distal lung are modified by hyperglycaemia and inflammation** Annika Åstrand (Mölndal, Sweden), Cecilia Nagorny Holmberg, Cecilia Wingren, Annika åstrand, John Taylor, James Garnett, Emma Baker, Deborah Baines

Hall 14-20 Session 111 12:50 - 14:40

Thematic poster: New data on established treatments for asthma and COPD

Chairs : Fabio L. M. Ricciardolo (Orbassano (Turin), Italy), Fusun Yildiz (Kocaeli, Turkey), Isabelle Vachier (Montpellier, France), Omar Usmani (London, United Kingdom)

PA1005	**QVA149 compared with salmeterol/fluticasone (SFC) on exacerbations and its correlation with baseline blood eosinophils: A pooled analysis of LANTERN and ILLUMINATE** Wisia Wedzicha (London, United Kingdom), Jadwiga A. Wedzicha, David Price, Karen Mezzi, Robert Fogel, Donald Banerji
PA1006	**Baseline symptom scores and future risk of severe exacerbation: The SPARK study** Wisia Wedzicha (London, United Kingdom), Jadwiga A. Wedzicha, Karen Mezzi, Robert Fogel, Donald Banerji
PA1007	**The role of determining the levels of collagen type IV in the management of patients with severe chronic obstructive pulmonary disease – Focus on roflumilast** Iryna Savelikhina (Ivano-Frankivsk, Ukraine), Mykola Ostrovskyy, Oleksandr Varunkiv, Iryna Savelikhina, Mariana Kulynych-Miskiv
PA1008	**Once-daily QVA149 improves dyspnoea and health status compared with tiotropium plus formoterol in patients without ICS use: A post-hoc analysis of the QUANTIFY study** Christian Gessner (Leipzig, Germany), Christian Gessner, Wolfgang Schürmann, Karin Förster, Christian Sieder, Simone Hiltl, Roland Buhl, Stephanie Korn
PA1009	**Glycopyrronium significantly improves lung function, dyspnea and health status in COPD patients in all GOLD groups** Anthony D. D'Urzo (Toronto, Canada), Anthony D'Urzo, Giovanni Bader, Pablo Altman, Pankaj Goyal
PA1010	**Glycopyrronium (GLY) and tiotropium (TIO) comparison: Lung function, dyspnea and health status in COPD patients in all GOLD groups** Anthony D. D'Urzo (Toronto, Canada), Anthony D'Urzo, Giovanni Bader, Pablo Altman, Pankaj Goyal
PA1011	**The effects of inhaler B-2 adrenergic agonists on esophaeal high resolution manometry pressure metrics in asthma patients with inadequate symptom control (Ege University reflux group)** Özlem Göksel (Izmir, Turkey), Ozlem Goksel, Rukiye Vardar, Haydar S. Karakus, Yasemin Alev, Esra Yildirim, Munevver Erdinc, Serhat Bor
PA1012	**Changes in symptoms, respiratory function, airway inflammation, and airway hyperresponsiveness over 10 year of inhaled corticosteroid therapy in adult asthma patients** Terufumi Shimoda (Fukuoka, Japan), Terufumi Shimoda, Yasushi Obase, Michiyoshi Imaoka, Reiko Kishikawa, Tomoaki Iwanaga
PA1013	**Relationship between change in trough FEV_1 and COPD patient outcomes: Pooled analysis of 23 clinical trials in patients with COPD** James F. Donohue (Chapel Hill, United States of America), James F. Donohue, Paul Jones, Christian Bartels, Jessica Marvel, Peter D'Andrea, Donald Banerji, Francesco Patalano, Robert Fogel
PA1014	**Effect of glycopyrronium vs tiotropium on pulmonary function and morning symptoms in patients with moderate-to-severe COPD: The SPRING study** Jose M. Marin Trigo (Zaragoza, Spain), Jose Mª Marin, Andreas Clemens, Ricard Casamor, Walter Castellani, Lennart Schaper, Dinesh Saralaya, Anthony Gunstone, Konstantinos Kostikas, Maryam Aalamian-Mattheis, Kai Beeh

PA1015	**Cigarette smoke extract (CSE) promotes acetylcholine (ACh) mediated inflammation and oxidative stress by PEBP1/Raf-mediated MEK and ERK pathway in human bronchial epithelial cells** Giusy D Albano (Palermo, Italy), Giusy D. Albano, Anna Bonanno, Loredana Riccobono, Rosalia Gagliardo, Michael Pieper, Mark Gjomarkaj, Mirella Profita
PA1016	**Does omalizumab attenuate blood eosinophilia at 52 weeks; a single centre observation** Moshfiq Abeer (Hull, United Kingdom), Moshfiq Abeer, Thompson Joanne, Cummings Helena, Watkins Karen, Jaymin Morjaria
PA1017	**Cromoglycate: Breathing life into an old asthma drug** Sarah Maher (London, United Kingdom), Sarah Maher, Mark Birrell, Katie Baker, Kristof Raemdonck, Sara Bonvini, John Adcock, Michael Wortley, Eric Dubuis, Fisnik Shala, Victoria Jones, Peter Barnes, Rajamannar Thennati, Biswajit Samanta, Dipali Desai, Anil Kumbhani, Maria Belvisi
PA1018	**Predictors of effectiveness of omalizumab treatment in patients with severe asthma recruited in a real-life setting** Tanya Kralimarkova (Sofia, Bulgaria), Tanya Kralimarkova, Maria Staevska, Tsvetelina Lazarova, Diana Hristova, Vasil Dimitrov, Todor Popov
PA1019	**Lung function change and exacerbations in patients with COPD in the WISDOM study** Henrik Watz (Grosshansdorf, Germany), Henrik Watz, Helgo Magnussen, Anne Kirsten, Kay Tetzlaff, Helen Finnigan, Bernd Disse, Eric Bateman
PA1020	**Indirect comparison of bronchial thermoplasty (BT) versus omalizumab (OM) for severe uncontrolled asthma** Robert Niven (Manchester, United Kingdom), Robert Niven, Michael Simmonds, Michael Cangelosi, Narinder Shargill, Dominic Tilden, Suzanne Cottrell
PA1021	**Effect of inhaled beclomethasone or placebo on brain stem activity in a patient chronically treated with steroids - Preliminary report** Zygmunt Podolec (Kraków, Poland), Zygmunt Podolec, Marcin Hartel, Daria Panek, Magdalena Podolec-Rubis, Tomasz Banasik
PA1022	**Difference in resistance to humidity between commonly used dry powder inhalers** Thomas LÖÖf (Mölndal, Sweden), Thomas Lööf, Gunilla Telg, Georgios Stratelis, Jan-Olof Svensson
PA1023	**INSTEAD: Randomized switch trial of indacaterol and salmeterol/fluticasone combination (SFC) in moderate COPD: Symptoms results** Andrea Rossi (Verona, Italy), Andrea Rossi, Thys Van der Molen, Ricardo Del Olmo, Alberto Papi, Luis Wehbe, Matthew Quinn, Chengxing Lu, David Young, Ray Cameron, Pablo Altman

Hall 14-21 Session 112 12:50 - 14:40

Thematic poster: Monitoring airway diseases with lung function tests

Chairs : Helgo Magnussen (Grosshansdorf, Germany), Andriana Papaioannou (Vrilissia, Athens, Greece), Ellen Tufvesson (Lund, Sweden), Alain Van Muylem (Brussels, Belgium)

PA1024	**LATE-BREAKING ABSTRACT: Predictors of lung function decline in a cohort of subjects with severe asthma** Paula Almeida (Salvador, Brazil), Paula C.A. Almeida, Eduardo V. Ponte, Valmar Bião, Adelmir Souza-Machado, Alvaro A. Cruz
PA1025	**Use of vitalograph COPD-6 device as point of care screening tool for COPD in resource-limited settings** Radhika Banka (Mumbai, India), Radhika Banka, Ujjwal Sharma, Sharmila Lonkar, Mangal Walkar, Getsiyal Pabidha, Jean Bourbeau, Lancelot Pinto
PA1026	**Pulmonary function in -thalassaemia major** Ching Ching Kate Chan (Hong Kong, Hong Kong), K.C. Chan, H.K. So, C.K. Li, S.C. Ling, C.H. Li, S.Y. Ha, A.M. Li
PA1027	**Relationship between small airways bio-markers and airways closure** Marcia Soares (Leicester, United Kingdom), Marcia Soares, Ekaterina Migrodskaya, Anna-Carin Olin, Salman Siddiqui
PA1028	**COPDGene intra-subject variability of DLco measurements using an ultrasound-based instrument** Robert L. Jensen (Salt Lake City, United States of America), Robert Jensen, Barry Make, Elizabeth Regan, Edwin Silverman, James Crapo
PA1029	**Assessment of parameters of lung ventilation during 6-minute walk test in patients with COPD** Irina Ponomareva (Ryazan, Russian Federation), Irina Ponomareva, Vladimir Abrosimov, Natalia Peregudova
PA1030	**Assessing the accuracy of oscillometry in tracking the mean values and the temporal changes in impedance of children** Hamed Hanafi (Halifax, Canada), Hamed Hanafi, Kamal El-Sankary, Ubong A. Peters, Marwa Al Amer, Dietrich Henzler, Andrew Milne, Jeremy Brown, Geoffrey N. Maksym

PA1031 **Ventilation heterogeneity in COPD and healthy smokers relates to diffusion capacity, resistance and reactance**
Linnea Jarenbäck (Gantofta, Sweden), Linnea Jarenbäck, Jaro Ankerst, Leif Bjermer, Ellen Tufvesson

PA1032 **Health status measurements in alpha-1antitrypsin deficiency (AATD)**
Stan Ejiofor (Birmingham, United Kingdom), S.I Ejiofor, R.A. Stockley

PA1033 **Histamine challenge and bronchodilator tests assessed by the ratio of diaphragm EMG to tidal volume**
Baiting He (Guangzhou, China), Bai-Ting He, Ning Zhang, Lian Zhou, Jing Wang, John Moxham, Michael I. Polkey, Yuan-Ming Luo

PA1034 **Insulin resistance, lung function and exacerbation rate in chronic obstructive lung disease**
Daniel Carlos Silva Vaz (Porto, Portugal), Daniel Vaz, Manuela Vanzeller, Teresa Shiang

PA1035 **Diagnosis of bronchoobstruction in patients with pulmonary tuberculosis associated chronic obstructive pulmonary disease by the forced oscillation technique**
Elena M Zhukova (Novosibirsk, Russian Federation), Elena Zhukova, Ludmila Vokhminova

PA1036 **Do obese asthmatics have a worse bronchodilator response?**
Hang Siang Wong (Singapore, Singapore), Hang Siang Wong, Hwee Lee Ng, Corrine Kang, Ying Juan Mok, Xue Ning Choo

PA1037 **Oscillometry system comparison in phantoms and humans**
Guy Drapeau (Halifax, Canada), Guy Drapeau, Thomas Schuessler

PA1038 **Induced sputum cytology and pulmonary function tests in ex-smoker asthmatic patients controlled with inhaled steroid and long acting beta agonist therapy**
Bilun Gemicioglu (Istanbul, Turkey), Bilun Gemicioglu, Sermin Borekci, Buket Caliskaner Ozturk, Nail Yilmaz

PA1039 **Capnographic measurement as a screening method for respiratory obstructive diseases**
Tajana Jalusic Gluncic (Zagreb, Croatia), Tajana Jalušic Gluncic, Latinka Basara, Ljiljana Konecki, Slavica Tomic, Miroslav Samaržija, Marko Jakopovic

PA1040 **Bronchodilator response in adults 35-70 years old in North-West Russia**
Elena Andreeva (Arkhangelsk, Arkhangelsk Oblast, Russian Federation), Elena Andreeva, Marina Pokhaznikova, Anatoly Lebedev, Olga Kuznetsova, Jean-Marie Degryse

PA1041 **Chronic obstructive lung disease and vitamin D status: Relationship with lung function, inflammatory status and exacerbations**
Daniel Carlos Silva Vaz (Porto, Portugal), Daniel Vaz, Manuela Vanzeller, Teresa Shiang

PA1042 **Abnormal heart rate variability in patients with bronchiectasis**
Samia Rached (Sao Paulo, Brazil), Samia Rached, Tatiane Soares Amaral, Kátia De Angelis, Michelle Sartori, Rodrigo Athanazio, Luciana Maria Malosa Sampaio, Anderson Alves de Camargo, Rafael Stelmach, Simone Dal Corso

PA1043 **Corelation of MRC gradings within a large single practice primary care COPD cohort in the UK**
Mukesh Singh (Sutton Coldfield, United Kingdom), Mukesh Singh

Hall 14-22 Session 113 12:50 - 14:40

Thematic poster: Clinical assessment and monitoring of asthma and COPD

Chairs : Stephen James Fowler (Preston, United Kingdom), Georgios Hillas (Ilioupoli, Greece), Nikoletta Rovina (Athens, Greece), Bart Hilvering (Utrecht, Netherlands)

PA1044 **Clinical and demographic characteristics of Seinäjoki adult asthma study (SAAS)**
Hannu Kankaanranta (Seinäjoki, Finland), Hannu Kankaanranta, Pinja Ilmarinen, Terhi Kankaanranta, Onni Niemelä, Jussi Haanpää, Leena E. Tuomisto

PA1045 **Prevalence of co-morbidities in severe asthma, COPD and overlap syndrome**
Pieter-Paul Hekking (Amsterdam, Netherlands), P.P. Hekking, M. Amelink, R.R. Wener, M.L. Bouvy, E.H. Bel

PA1046 **An observational study of risk factors for hospitalization of chronic obstructive pulmonary disease exacerbation and their outcome**
Souvik Barman (Kolkata, India), Souvik Barman, Aloke Gopal Ghoshal, Debdeep Sen, Raja Dhar

PA1047 **Preliminary results of relationship between appetite and clinical presentation of COPD patients in AERIS study**
Malwina Wojtas (Southampton, United Kingdom), Malwina M. Wojtas, Victoria Kim, Nicholas Williams, Kris Ostridge, Ngaire Coombs, Steve Wootton, Tom M. Wilkinson

PA1048	**Outcomes in patients with COPD during a 3 year follow-up** Nikolay Yanev (Pleven, Bulgaria), Nikolay Yanev, Nikolay Kyuchukov, Ilia Krachunov, Zlatina Ivanova, Pavlina Nikolova, Plamen Pavlov, Elena Borisova, Tsania Popova, Yavor Ivanov
PA1049	**Clinical severity of chronic obstructive pulmonary disease is associated with bone mineral density** Esteban Cesar Gabazza Sanabria (Tsu-Mie, Japan), Haruko Saiki, Osamu Hataji, Tadashi Sakaguchi, Esteban C. Gabazza, Yoichi Nishii, Corina D'Alessandro-Gabazza, Tetsu Kobayashi, Osamu Taguchi
PA1050	**Predictors of 90 day readmission in hospitalized patients for asthma exacerbation** Ana Marçôa (Matosinhos, Portugal), Raquel Marçôa, Rita Linhas, Margarida Dias, Carla Ribeiro, Manuela Vanzeller, Miguel Guimarães, Teresa Shiang
PA1051	**Rehospitalizations for an acute exacerbation among patients with COPD** Iliya Krachunov (Pleven, Bulgaria), Iliya Krachunov, Nikolay Yanev, Zlatina Ivanova, Nikolay Kyuchukov, Vladislava Angelova, Petkana Hristova, Plamen Pavlov, Pavlina Glogovska, Tsanya Popova, Yavor Ivanov
PA1052	**Which are the main determinants of quality-of-life in severe asthma?** Federica Novelli (Pisa, Italy), Federica Novelli, Letizia Vergura, Manuela Latorre, Elena Bacci, Silvana Cianchetti, Federico Dente, Antonelli Di Franco, Pierluigi Paggiaro
PA1053	**Hospital treatment costs of exacerbations in COPD patients with indications for LTOT** Nikolay Kyuchukov (Belene, Bulgaria), Nikolay Kyuchukov, Plamen Pavlov, Pavlina Glogovska, Tsania Popova, Nikolay Yanev, Iliya Krachunov, Zlatina Ivanova, Yavor Ivanov, Petkana Hristova
PA1054	**COPD mortality - Is it all COPD?** Amarpreet Kaur (London, United Kingdom), Amarpreet Kaur, Jacqueline Creasey, Rumina Mirza, Neelya Kumar, Kanwar Pannu, Dipak Mukherjee
PA1055	**Six months follow up of cough-related health status in a large population of patients from the Isala cough clinic** Jan Willem K. van den Berg (Zwolle, Netherlands), Leonie Kooistra, Dominique Vaessen, Niels Patberg, Jan Van den Berg
PA1056	**Predictors of exacerbations in hospitalised patients with bronchiectasis: A retrospective study in an Asian population** Carrie Kah-Lai Leong (Singapore, Singapore), Carrie Kah-Lai Leong, Qiao Li Tan, Jaydeesh Khanna Krishnasamy Balasubramanian, Yuen Li Ng, Thun How Ong, Mariko Siyue Koh, Therese Sophie Lapperre
PA1057	**Impact of comorbidities and etiology of bronchiectasis on outcomes in hospitalised patients with bronchiectasis** Qiao Li Tan (Singapore, Singapore), Qiao Li Tan, Carrie Kah-Lai Leong, Jaydeesh Khanna Krishnasamy Balasubramanian, Yuen Li Ng, Thun How Ong, Therese Sophie Lapperre, Mariko, Siyue Koh
PA1058	**COPD therapy based on clinical phenotypes: Baseline data from the Czech multicentre research database of COPD** Jaromir Zatloukal (Olomouc, Czech Republic), Jaromir Zatloukal, Vladimir Koblizek, Marek Plutinsky, Patrice Popelkova, Tomas Dvorak, Petr Safranek, Ondrej Sobotik, Alena Vlachova, Petr Vanik, Zuzana Liptakova, Lucie Heribanova, Blanka Snelerova, Pavlina Musilova, Maria Majerciakova, Tomas Vencalek, Eva Kocova, Barbora Novotna, Michal Kopecky, Ondrej Kudela, Katerina Neumannova, Kristian Brat, Eva Volakova, Karel Hejduk, Jan Svancara, Jiri Jarkovsky, Michal Svoboda, Zuzana Zbozinkova
PA1059	**Prognosis of new-onset asthma diagnosed at adult age: A systematic review** Leena Esteri Tuomisto (Seinajoki, Finland), Leena E. Tuomisto, Pinja Ilmarinen, Hannu Kankaanranta
PA1060	**Romanian awareness campaign on the WORLD COPD day** Ramona Elena Nedelcu (Bucarest, Romania), Florin Dumitru Mihaltan, Ramona Elena Nedelcu, Amelia Ionescu, Roxana Nemes
PA1061	**Patients' adherence to chronic treatment of pulmonary diseases** Claudia Gregoriano (Liestal, Switzerland), Claudia Gregoriano, Simona Henny-Reinalter, Anja Handschin, Anna-Lisa Flamm, Thomas Dieterle, Isabelle Arnet, Kurt E. Hersberger, Jörg D. Leuppi
PA1062	**COPD severity analysis according to current evaluation criteria – National survey** Yavor Ivanov (Pleven, Bulgaria), Yavor Ivanov, Plamen Pavlov, Pavlina Glogovska, Tsania Popova, Anahid Torossian, Dimitar Kostadinov, Dencho Osmanliev, Diana Petkova, Kosta Kostov, Ognyan Georgiev, Vladimir Hodzhev, Nikolay Kyuchukov, Nikolay Yanev, Petkana Hristova
PA1063	**Co morbidity profile in patients with COPD: A prospective study from western part of India** Nitin Jain (Jaipur, India), Nitin Jain, Vikram Jain, Nirmal Jain, Mahesh Mishra, Arpit Sharma

Hall 14-23 Session 114 12:50 - 14:40

Thematic poster: Clinical aspects of asthma: monitoring and mechanisms

Chairs : Trudeke G.M. Möller (Capelle aan den Ijssel, Netherlands), Marco Idzko (Freiburg, Germany), Renaud Louis (Liège, Belgium), Arnaud Bourdin (Montpellier, France)

PA1064	**Asthma severity, poor control, co-morbidities and prior resource use determined omalizumab prescriptions in a nested case-control study with US claims data** Siew Hwa Ong (Basel, Switzerland), Gerardo Machnicki, Juzer Lotya, Siew Hwa Ong, Luisa Alvares, Alexandros Sagkriotis, Paul McDwyer, Kristijan H. Kahler, David Price
PA1065	**Relationship between specific rhinitis symptom and control status of asthma** Hiroyuki Nagase (Tokyo, Japan), Hiroyuki Nagase, Naoya Sugimoto, Yuuta Koizumi, Yusuke Tanaka, Hisanao Yoshihara, Michio Kuramochi, Hidenori Arai, Masao Yamaguchi, Ken Ohta
PA1066	**Special characteristics in examination among patients, suffering from bronchial asthma and herpetic infection** Nataly Tataurshchikova (Moscow, Russian Federation), Nataly Tataurshchikova
PA1067	**Evaluation of lipoxin A_4 and nitric oxide as inflammatory mediators in bronchial asthma** Abdel Monem Elshabrawi (Suez, Egypt), Fatema El Nokaly, Abd El Monem Elshabrawi, Hala El Mougy, Wafaa Abd El Fatah, Ashraf Behiry
PA1068	**Evaluation of inflammatory markers IL-6 and MMP-9 in asthma** Srilata Puru Naik (Mysore, India), Srilata Puru Naik, P.A. Mahesh, B.S. Jayaraj, M.V.S.S.T. Subbarao, Sareh Raeiszadeh Jahromi
PA1069	**Concentration of C-reactive protein (CRP) in elderly asthmatics** Karolina Lindner (Wroclaw, Poland), Karolina Lindner, Robert Pawlowicz, Zbigniew Machaj, Bernard Panaszek
PA1070	**Identification of IgE reactive proteins from pollen of Lagerstroemia speciosa and spathodea campanulata – Two avenue trees of West Bengal** Tanmoy Basak (Kolkata, India), Tanmoy Basak, Naren Pandey, Kashinsath Bhattacharya
PA1071	**The allergy profile and accompanying sinonasal pathologies in patients with bronchial asthma** Bikemgül Özkara (Ankara, Turkey), Bikemgul Ozkara, Haldun Sevketbeyoglu, Murat Kose, Dilaver Tas, Murat Salihlioglu
PA1072	**Sputum induction elicits different peripheral airways responses in healthy subjects, asthma and allergic rhinitis patients** Amaryllis Haccuria (Brussels, Belgium), Amaryllis Haccuria, Vi Doan, Alain Michils, Alain Van Muylem
PA1073	**Sputum microbiota in Chinese adults with eosinophilic versus non-eosinophilic asthma** Qingling Zhang (Guangzhou, China), Qingling Zhang, Rihuang Qiu, Naijian Li, Zhaowei Yang, Yongfeng Liu, Jing Li, Kian Fan Chung, Nanshan Zhong
PA1074	**Infection with HRV-C during acute asthma in adults is associated with increased sputum neutrophils and self-reported severity of symptoms** Asger Bjerregård (Frederiksberg, Denmark), Asger Bjerregård, Ingrid Laing, Peter Le Souëf, Siew-Kim Khoo, Vibeke Backer, Markus Fally, Celeste Porsbjerg
PA1075	**Most of asthma is diagnosed in adulthood in Finland** Hannu Kankaanranta (Seinäjoki, Finland), Hannu Kankaanranta, Leena E. Tuomisto, Pinja Ilmarinen
PA1076	**Comparative study of bronchial provocation tests using methacholine or mannitol in bronchial asthma** Mayra Parra Perez (Sevilla, Spain), Mayra Parra Pérez, Auxiliadora Romero Falcón, Marta Ferrer Galván, Juan Francisco Medina Gallardo, Francisco Javier Alvarez Gutierrez
PA1077	**Systemic inflammation, comorbidities and the outcome of adult-onset asthma** Pinja Ilmarinen (Seinäjoki, Finland), Pinja Ilmarinen, Leena E. Tuomisto, Onni Niemelä, Joanna Danielsson, Jussi Haanpää, Hannu Kankaanranta
PA1078	**Gamma globulin (Ig) replacement– a potential treatment in uncontrolled asthma associated with humoral immunodeficiency (huID)?** Angelica Tiotiu (Vandoeuvre-les-Nancy, France), Angelica Tiotiu, Yves Martinet
PA1079	**The western environment has increased hay fever symptoms and IL-10 levels in Chinese immigrants** Aarti Saiganesh (Canning Vale, Australia), Aarti Saiganesh, Belinda Hales, Ennee Schultz, Xiaopeng Zhang, Alicia Annamalay, Siew-Kim Khoo, Jack Goldblatt, Peter Le Souef, Guicheng Zhang
PA1080	**Allergic versus non allergic asthma: What makes the difference?** Ferdaous Yangui (Tunis, Tunisia), Ferdaous Yangui, Maher Abouda, Samia Sellami, Mariem Triki, Rimeh Ayari, Emna Guermazi, Hend Khouani, Mohamed Ridha Charfi
PA1081	**Subpopulation structure of blood lymphocytes at patients with lung tuberculosis** Olga Berdyugina (Yekaterinburg, Russian Federation), A.V. Ershova, O.V. Berdyugina

PA1082	**Clinical phenotypes in asthmatic population with severe asthma** Evangelia Fouka (Thessaloniki, Greece), Evangelia Fouka, Konstantinos Porpodis, Despoina Ioannidou, Kalliopi Domvri, Theodoros Kontakiotis, Konstantinos Zarogoulidis, Despoina Papakosta
PA1083	**Periostin: A key contributor to changes in the epithelial phenotype in asthma?** Irene Heijink (Groningen, Netherlands), Irene Heijink, Marnix Jonker, Maarten Van den Berge, Dirkje Postma

Hall 14-24 Session 115 12:50 - 14:40

Thematic poster: Asthma and lung immunology

Chairs : René E. Jonkers (Amsterdam, Netherlands), Milena Sokolowska (Bethesda, United States of America), Ronald Dahl (Odense C, Denmark), Shahid Sheikh (Columbus, United States of America)

PA1084	**LATE-BREAKING ABSTRACT: Mast cell markers in adipose tissue, systemic inflammation and asthma** Vibeke Backer (Copenhagen, Denmark), Vibeke Backer, Kathrine Baines, Heather Powell, Celeste Porsbjerg, Peter Gibson
PA1085	**The role of IL-13, IL-4R cytokine gene variants in atopic and non-atopic asthma** Madhavilatha Alasandagutti (Hyderabad, India), Madhavi Latha Alasandagutti, Meenakshi Ponnana, Ramya Shivangala, Lavanya Joshi, Somashekar Sagruthi, Ansari Soheb Sader, Vijaya Lakshmi Valluri, Suman Latha Gaddam
PA1086	**Distribution of mast cells and their interactions with nerve in allergic rhinitis** Duc Dung Le (Homburg/Saar, Germany), Duc Dung Le, David Schmit, Sebastian Heck, Robert Bal, Bernhard Schick, Basel Al Kadah, Quoc Thai Dinh
PA1087	**IL-25 induces airways angiogenesis and expression of multiple angiogenic factors in a murine asthma model** Xiujuan YAO (Beijing, China), Xiujuan Yao, Wei Wang, Kewu Huang, Chris J. Corrigan, Yong Chang Sun, Sun Ying, Xiujuan Yao
PA1088	**Maternal asthma and placental mast cell expression depending on asthma severity, fetal sex and presence of preeclampsia** Yulia Dymarskaya (Saint-Petersburg, Russian Federation), Yulia R. Dymarskaya, Olga V. Lavrova, Ludmila B. Zubzhitskaya
PA1089	**Adipose derived stem cells ameliorate airway inflammation in mouse models of asthma** Sang Yeub Lee (Seoul, Republic of Korea), Sang Yeub Lee, Won Jai Jung, Eun Joo Lee, Kyung Hoon Min, Gyu Young Hur, Seoung Heon Lee, Sung Yong Lee, Je Hyeong Kim, Chol Shin, Jae Jeong Shim, Kwang Ho In, Kyung Ho Kang
PA1090	**Screening for alpha1-antitrypsin deficiency at a university hospital** Alejandro Raimondi (Buenos Aires, Argentina), Alejandro Raimondi, María Alejandra Grosso, Maria Graciela Beretta, María de los Angeles Zalazar, Federico Zenón, Carlos Marcelo Luna
PA1091	**Asthma control with omalizumab treatment in severe allergic asthma and severe non-allergic asthma patients** Yavuz Havlucu (Manisa, Turkey), Yavuz Havlucu, Arzu Yorgancioglu, Fikret Kurhan, Tugba Goktalay, Aysin Sakar Coskun, Pinar Celik
PA1092	**Use of CARAT® and pulmonary function tests to assess asthma control during pregnancy** Luis Amaral (Braga, Portugal), Luis Amaral, Carla Martins, Artur Vilela, Alice Coimbra, José Luis Plácido
PA1093	**IL-25 receptor expression on basophil membrane is related to phenotype and severity of asthma** Michela Maria Bellocchia (Turin, Italy), Michela Bellocchia, Monica Boita, Paolo Solidoro, Francesco Coni, Marco Bardessono, Lorena Mercante, Giovanni Rolla, Caterina Bucca
PA1094	**Can we predict risk factors for peri- or postoperative complications in asthmatic patients preoperatively?** A. Fuat Kalyoncu (Ankara, Turkey), Tuba Erdogan, Ozlem Goksel, Gamze Kirkil, Füsun Yildiz, Bilun Gemicioglu, Eylem Akpinar, Elif Yilmazel Uçar, Eylem Sercan Ozgur, Omur Aydin, Kivilcim Oguzülgen, Gul Karakaya, Ali Fuat Kalyoncu
PA1095	**Relation of ghrelin, obestatin levels and ghrelin/obestatin ratio with asthma** Deniz Kizilirmak (Ankara, Turkey), Deniz Kizilirmak, Bülent Bozkurt
PA1096	**Patients with allergic and eosinophilic asthma in the German severe asthma registry** Stephanie Korn (Mainz, Germany), Johannes Holstege, Antje Jahn, Christian Schulz, Karl-Christian Bergmann, Andrea Koch, Rainer Ehmann, Eckard Hamelmann, Roland Buhl, Stephanie Korn
PA1097	**Omalizumab is equally effective in persistent allergic oral corticosteroid-dependent asthma whether due to seasonal allergens or to perennial allergens** Christian Domingo Ribas (Sabadell (Barcelona), Spain), Christian Domingo, Xavier Pomares, Albert Navarro, Carles Grimau, Ana Sogo, Rosa Mirapeix

PA1098	**No increase in non-specific bronchial hyperreactivy in patients with cypress pollen allergy during the pollen season** Denis Charpin (Marseille, France), Denis Charpin, Laurie Pahus, Tunde Sofalvi, Delphine Gras, Marion Gouitaa, Pascal Chanez
PA1099	**Are non-cystic fibrosis bronchiectasis a result of primary antibody deficiency?** Marina Karakina (Yekaterinburg, Russian Federation), Marina Karakina, Grigory Tsaur, Irina Tuzankina, Eugeny Beltukov
PA1100	**Asthma and rhinitis symptom score severity in children on SLIT** Ivana Filipovic (Belgrade, Republic of Serbia), Ivana Djuric-Filipovic, Zorica Zivkovic, Djordje Filipovic, Gordana Kostic
PA1101	**Headaches and migraine in asthma: The relationship with atopic disorders and parental history** Muzaffer Onur Turan (Çanakkale, Turkey), Muzaffer Onur Turan, çigdem çelik Susuz, Pakize Ayse Turan
PA1102	**Relation of hemogram parameters with asthma** Deniz Kizilirmak (Ankara, Turkey), Bülent Bozkurt, Deniz Kizilirmak
PA1103	**Asthma and rhinitis: Clinical and physiological correlation, possible environmental factors** Ivano Salimbene (Buccino, Italy), Ivano Salimbene, Dina Filomena Affuso, Ornella Salimbene, Salvatore Marasco, Crescenzo Schettini

Hall 14-25 Session 116 12:50 - 14:40

Thematic poster: Risk factors and co-morbidities in asthma and COPD

Chairs : R. Graham Barr (New York, United States of America), Peymane Adab (Birmingham, United Kingdom), Vanessa Garcia Larsen (London, United Kingdom), Melanie Matheson (Parkville, Australia)

PA1104	**Prevalence and impact of Diabetes mellitus (DM) among hospitalized community-acquired pneumonia (CAP) patients** Filipe Froes (Lisbon, Portugal), Madalena Martins, Filipe Froes, José M. Boavida, João F. Raposo, Baltazar Nunes, Rogério T. Ribeiro, M. Paula Macedo, Carlos Penha-Gonçalves
PA1105	**Body composition and pulmonary function at 18 years old: Findings from a birth cohort in southern Brazil** Fernando C Wehrmeister (Pelotas, Brazil), Paula Duarte de Oliveira, Ana Maria Baptista Menezes, Fernando César Wehrmeister, Rogelio Pérez-Padilla, Helen Gonçalves, Maria Cecília Assunção
PA1106	**Prevalence of metabolic syndrome among patients with chronic obstructive pulmonary disease: A systematic review and meta-analysis** Alexander Mathioudakis (Liverpool, United Kingdom), Alexander G. Mathioudakis, Ioannis Mastoris, Prodromos Kanavidis, Victoria Chatzimavridou-Grigoriadou, Efstathia Evangelopoulou, Georgios A. Mathioudakis, Dave Singh
PA1107	**Total dietary antioxidant capacity is associated with lung function volumes in women** Lucia Cazzoletti (Verona, Italy), Lucia Cazzoletti, M. Elisabetta Zanolin, Liliya Chamitava, Roberto Bono, Isa Cerveri, Marcello Ferrari, Amelia Grosso, Pietro Pirina, De Marco Roberto
PA1108	**Biomarkers of oxidative stress in chronic respiratory diseases** M.Elisabetta Zanolin (Verona, Italy), M. Elisabetta Zanolin, Liliya Chamitava, Paolo Degan, Andrea Pasini, Anna Fratta-Pasini, Morena Nicolis, Mario Olivieri, Angelo Corsico, Pietro Pirina, Roberto Bono, Roberto De Marco
PA1109	**The relationship between cigarette smoking intensity and chronic mucus hypersecretion (CMH) at different ages within a nationally representative birth cohort** James Allinson (London, United Kingdom), James Allinson, Rebecca Hardy, Gavin Donaldson, Seif Shaheen, Diana Kuh, Jadwiga Wedzicha
PA1110	**Contribution of respiratory disease and smoking to in-hospital mortality** Neeraj Shah (New Malden, United Kingdom), Neeraj Shah, Dean Jansen, Louise Restrick
PA1111	**The interaction between family history of COPD, personal smoking and post-bronchodilator airflow obstruction: A cohort study** Jennifer Perret (Melbourne, Australia), Jennifer Perret, Melanie Matheson, David Johns, Adrian Lowe, Caroline Lodge, John Burgess, Bruce Thompson, Christine McDonald, Stephen Morrison, Paul Thomas, Michael Abramson, E. Hadyn Walters, Shyamali Dharmage
PA1112	**The effects of current regular smoking on asthma subtypes in the Northern Finnish asthma study** Elina Mäkikyrö (Oulu, Finland), Elina Mäkikyrö, Maritta Jaakkola, Jouni Jaakkola
PA1113	**Modifiable risk factors for all-cause hospitalization in obstructive lung disease** Rosanne Beijers (Maastricht, Netherlands), Rosanne Beijers, Bram Van den Borst, Anne Newman, Sachin Yende, Stephen Kritchevsky, Patricia Cassano, Tamara Harris, Annemie Schols

PA1114	**Associations between fractional exhaled nitric oxide (FeNO), asthma, respiratory symptoms and self-reported allergies in female university students in Kobe, Japan** Motoko Takaoka (Nishinomiya, Japan), Motoko Takaoka, Dan Norbäck
PA1115	**Odor annoyance perception and health effects in an Italian general population sample** Sandra Baldacci (Pisa, Italy), Sandra Baldacci, Sara Maio, Franca Martini, Patrizia Silvi, Giuseppe Sarno, Sonia Cerrai, Anna Angino, Martina Fresta, Giovanni Viegi
PA1116	**The relationship between COPD and periodontitis** Adam Usher (Cheltenham, United Kingdom), Adam Usher, Sabrina Parmar, Viren Vithlani, Iain Chapple, Elizabeth Sapey, Robert Stockley
PA1117	**Birth weight, lung function testing in school aged children from rural and urban areas** Jasmina Jocic-Stojanovic (Belgrade, Republic of Serbia), Jasmina Jocic-Stojanovic, Sofija Cerovic, Vesna Vekovic, Zorica Zivkovic
PA1118	**Risk factors for new-onset asthma and early COPD in a cohort of young adults** Lisbet Krogh Traulsen (Esbjerg, Denmark), Lisbet Krogh Traulsen, Jesper Bælum, Anders Halling, Trine Thilsing, David Sherson, Torben Sigsgaard, øyvind Omland, Tine Malling, Lars Skadhauge
PA1119	**Comorbidities, gender-differences and COPD severity: The French Palomb cohort** Chantal Raherison-Semjen (Pessac, France), Chantal Raherison, Emilie Berteaud, Alain Bernady, Julien Casteigt, Yannick Daoudi, Jean-Michel Dupis, Cecilia Nocent-Eijnaini, Laurent Falque, Frédéric Le Guillou, Elodie Blanchard, Helene Jungmann, Laurent Nguyen, Jean Moinard, Anne Prudhomme, Annaig Ozier, Christophe Roy, Marielle Sabatini, Marc Sapene, François Pellet
PA1120	**High-sensitivity cardiac troponin T is associated with increased mortality in patients with stable chronic obstructive pulmonary disease** Gunnar Einvik (Lørenskog, Norway), Anke Neukamm, Vidar Søyseth, Gunnar Einvik, Nils Henrik Holmedahl, Natalia Kononova, Arne Didrik Høiseth, Angelica Marianne Berg, Torbjørn Omland
PA1121	**Prevalence of self-reported heart disease and ischemic ECG changes in COPD and non-COPD** Ulf Nilsson (Umeå, Sweden), Ulf Nilsson, Bengt Johansson, Berne Eriksson, Anders Blomberg, Bo Lundbäck, Anne Lindberg
PA1122	**The prevalence of co-morbidities and exacerbations in COPD patients in Slovenia** Stanislav Kajba (Celje, Slovenia), Stanislav Kajba
PA1123	**Chronic obstructive pulmonary disease and comorbidities** Marko Jakopovic (Zagreb, Croatia), Irena Sokolovic, Jelena Knezevic, Sanja Popovic-Grle, Andrea Vukic Dugac, Gordana Bubanovic, Mateja Jankovic Makek, Ana Hecimovic, Gzim Redzepi, Miroslav Samarzija, Marko Jakopovic

Hall 14-26 Session 117 12:50 - 14:40

Thematic poster: Prevalence of respiratory disease

Chairs : Bo Lundback (Gothenburg, Sweden), Alessandro Marcon (Verona, Italy), Valerie Siroux (La Tronche, France), Christina Tischer (Neuherberg, Germany)

PA1124	**Prevalence and incidence of COPD: The Rotterdam study** Natalie Terzikhan (Dordrecht, Netherlands), Natalie Terzikhan, Katia M.C. Verhamme, Albert Hofman, Bruno H. Stricker, Guy G. Brusselle, Lies Lahousse
PA1125	**Inequalities on medical diagnosis and underdiagnosis of COPD: The PLATINO study** Fernando C Wehrmeister (Pelotas, Brazil), Fernando C. Wehrmeister, Ana Maria B. Menezes, Maria Montes de Oca, Carlos Tálamo, Maria Victorina Lopez-Varela, Adriana Muiño, Gonzalo Valdivia, Carmem Lisboa, Jose R. Jardim, Rogelio Perez-Padilla
PA1126	**Trends in prevalence and inequalities in wheezing and medical diagnosis of asthma during adolescence: The Pelotas 1993 birth cohort, Brazil** Ana Maria Menezes (Pelotas, Brazil), Ana Maria B. Menezes, Maria C. Assunção, Helen Gonçalves, Fernando C. Wehrmeister
PA1127	**The burden of non-communicable lung disease in urban Malawi** Kevin J. Mortimer (Liverpool, United Kingdom), Kevin Mortimer, Hadia Azhar, Jaymini Patel, Sabrina Kapur, Louisa Gnatiuc, Peter Burney, Kourtney Davis, Gilbert Nadeau, Moffat Nyirenda, Stephen Gordon
PA1128	**Prevalence and characteristics of chronic airflow obstruction in adult nonsmokers: Results from the BOLD study in Annaba, Algeria** Cherkaski Hamid (Annaba, Algeria), Hamid Hacene Cherkaski, Feryal Atoui, Randa Yakoubi, Foued Khalloufi, Rachid Benali, Peter Burney

PA1129	**Prevalence and risk factors of COPD among never-smokers in two areas of Sweden - Occupational exposure to gas, dust or fumes is an important risk factor** Stig Hagstad (Gothenburg, Sweden), Stig Hagstad, Helena Backman, Anders Bjerg, Linda Ekerljung, Anne Lindberg, Jan Lötvall, Eva Rönmark, Bo Lundbäck
PA1130	**COPD in non-smokers: Report from the Tunisian burden of obstructive lung disease study** Myriam Denguezli (Sousse, Tunisia), Meriam Denguezli, Hager Daldoul, Anamika Jithoo, Louisa Gnatiuc, Sonia Coton, Sonia Buist, Peter Burney, Imed Harrabi, Zouhair Tabka
PA1131	**Prevalence of COPD in vascular diseases** Murali Mohan Bangalore Venkataraman (Bangalore, India), BV Muralimohan, Gayatri Ekbote, Syed Zulkharnain Tousheed, Ranganath Ramanjenaya
PA1132	**Obstructive diseases - Epidemiology and public awareness of the causes, course and effects. Selected results of the Polish Spirometry Day 2013 and World Spirometry Day 2014** Artur Badyda (Warsaw, Poland), Artur Badyda, Piotr Dabrowiecki
PA1133	**A study of the normative values for the CAT questionnaire in the healthy Indian population** Lancelot Pinto (Mumbai, India), Radhika Banka, Ujjwal Sharma, Sarika Bhosale, Lalita Angne, Jean Bourbeau, Lancelot Pinto
PA1134	**Sex differences in alpha-1-antitrypsin deficiency** Sebastian Fähndrich (Homburg/Saar, Germany), Sebastian Faehndrich, Christian Herr, Timm Greulich, Martina Seibert, Philipp M. Lepper, Nikolas Bernhard, Cindy Lützow, Claus Vogelmeier, Robert Bals
PA1135	**Screening of alpha-1 antitrypsin deficiency in a blood donors cohort of the North-Italian area** Ilaria Ferrarotti (Pavia, Italy), Ilaria Ferrarotti, Luciano Corda, Nuccia Gatta, Stefania Ottaviani, Alessia Braghini, Marianna Arici, Giovanna Lanzani, Federica Benini, Angelo Giudo Corsico, Bruno Balbi
PA1136	**The change of asthma course during pregnancy** Angelo Guido Corsico (Pavia, Italy), Angelo Guido Corsico, Francesca Locatelli, Lucia Cazzoletti, Amelia Grosso, Federica Albicini, Vanessa Ronzoni, Eti Maria Giulia Di Vincenzo, Davide Piloni, Isa Cerveri, Roberto De Marco
PA1137	**A population-based study of animal component sensitization, asthma and rhinitis in school children** Anders Bjerg (Gothenburg, Sweden), Anders Bjerg, Anna Winberg, Malin Berthold, Magnus Borres, Eva Rönmark
PA1138	**Burden of asthma among children in a developing megacity: Childhood asthma study, Pakistan** Ambreen Sahito (Karachi, Pakistan), Adeel Ahmed Khan, Sana Tanzil, Tanzil Jamali, Afshan Shahid, Shahla Naeem, Ambreen Sahito, Fraz Anwar Siddiqui, Asaad Ahmed Nafees, Zafar Fatmi
PA1139	**Prevalence of chronic cough in a population based survey** Neha Kaushik (Wrexham, United Kingdom), Neha Kaushik, Jacky Smith, Mary Linehan, Timothy Frank
PA1140	**Allergic disorders in relation to asthma and spastic bronchitis in children** Grzegorz Brozek (Katowice, Poland), Grzegorz Brozek, Joshua Lawson, Kamil Baranski, Dawid Szumilas, Jan Zejda
PA1141	**Rhinitis and chronic rhinosinusitis in Melbourne, Australia** Diogenes Ferreira (Carlton, Australia), Diogenes S. Ferreira, Sonia Kaushik, Shyamali Dharmage, Bruce Thompson, Geza Benke, Michael J. Abramson
PA1142	**Prevalence of respiratory symptoms in two general practice populations in Manchester UK** Timothy Frank (Manchester, United Kingdom), Timothy Frank, Michelle Hazell, Neha Kaushik, Julie Morris, Mary Linehan
PA1143	**Selection bias in epidemiological survey is similar in young adults and the elderly** Giuseppe Verlato (Verona, Italy), Giang Nguyen, Giuseppe Verlato, Pierpaolo Marchetti, Roberto Marconcini, Marcello Ferrari, Alesandro Fois, Pietro Pirina, Roberto De Marco

Hall 14-27 Session 118 12:50 - 14:40

Thematic poster: Occupational disease: clinical cases and series

Chairs : Rafael E. de la Hoz (New York, United States of America), Anne Kristin Moller Fell (Skien, Norway), Carl Reynolds (Fareham, United Kingdom), Gennaro D'Amato (Napoli, NA, Italy)

PA1144	**LATE-BREAKING ABSTRACT: Complicated silicosis in an Australian worker from cutting engineered stone countertops: An embarrassing first for Australia** Deborah Yates (Sydney, Australia), Anthony Frankel, Lucinda Blake, Deborah Yates
PA1145	**Investigation and diagnosis of occupational asthma to nematodes** Johanna Feary (London, United Kingdom), Johanna Feary, Julie Cannon, Jennifer Welch, Michael Tarzi, Paul Cullinan

PA1146	**A new chemical causing IgE-mediated sensitization and asthma** Hille Suojalehto (Helsinki, Finland), Hille Suojalehto, Kirsi Karvala, Katriina Ylinen, Irmeli Lindströn
PA1147	**Occupational asthma to 'the miracle tree' (Moringa oleifera): First description** Mathias Poussel (Vandoeuvre-les-Nancy, France), Mathias Poussel, Emmanuelle Penven, Christelle Richard, Magalie Mercy, François Chabot, Christophe Paris
PA1148	**A case of occupational asthma occurred in the subway maintenance worker** Daeho Kim (Incheon, Republic of Korea), Daeho Kim, Boowook Kim, Kyeongmin Lee, Jeonga Shin
PA1149	**Epoxy and delayed asthma** David L. Sherson (Vejle, Denmark), Iben Jacobsen, Berit Christensen, Jesper Baelum, Niels Bjerring, Ulla Moeller, David Sherson
PA1150	**Occupational asthma as a result of severe asthma** Xavier Munoz Gall (Barcelona, Spain), Beatriz Gálvez-Martínez, María-Jesús Cruz, Iñigo Ojanguren, Mónica Sánchez-Ortíz, Susana Gómez-Ollés, Xavier Muñoz
PA1151	**Accidental nitric acid gas exposure and respiratory effects** Sehnaz Olgun (Istanbul, Turkey), Sehnaz Olgun Yildizeli, Buket Bayram, Emel Eryuksel, Berrin Ceyhan
PA1152	**Short-term respiratory and systemic inflammatory responses to welding exposure** Paula Kauppi (Helsinki, Finland), Paula Kauppi, Merja Järvelä, Timo Tuomi, Ritva Luukkonen, Tuula Lindholm, Riina Nieminen, Eeva Moilanen, Timo Hannu
PA1153	**Early detection of lung disease in firefighters: A sound frequency analysis** Ilina Krishen (Port Huron, United States of America), Ilina Krishen, Mary Lynn Zaremba, Kristin Elliott, Sridhar Reddy
PA1154	**Validity of pulmonary functional status including 6 minute walk test in silicosis patients according to ILO classification** Deepak UG (Jodhpur, India), Deepak Ug, Vinod Joshi, Gopal Purohit, Kailashchand Agarwal, U. Narendra, Mohan Jayaramu, Naresh Kumar
PA1155	**Mobile cardio-respiratory metabolic laboratory as effective tool in early diagnosis of COPD and other chronic non-communicable diseases (CNCDs) in organized busy groups of employees** Zaurbek Aisanov (Moscow, Russian Federation), Sanjita Batyn, Alexander Chuchalin, Zaurbek Aisanov, Alexander Cherniak, Galina Nekludova, Janna Naumenko
PA1156	**Pulmonary siderosis as a cause of systemic iron overload** Marian J.R. Quanjel (Utrecht, Netherlands), Marian Quanjel, Bart Luijk, Aryan Vink, H. Stigter, Jos Rooijackers
PA1157	**Pulmonary alveolar proteinosis (PAP) in exogenous toxic alveolitis (ETA) patients** Galina P. Orlova (Saint Petersburg, Russian Federation), Galina Orlova, Aleksandra Speranskaya, Ivetta Dvorakovskaya, Andrey Bazhanov
PA1158	**Relationship between HRCT findings of Korea asbestosis patients and osteopontin expression** Ho Sung Lee (Cheonan, Republic of Korea), Ho Sung Lee
PA1159	**Workplace challenge tests in workers excluded from work with possible occupational asthma** Vicky Moore (Birmingham, United Kingdom), Vicky Moore, Gareth Walters, Alastair Robertson, Sherwood Burge
PA1160	**Markers of injury and fibrosis in occupational interstitial lung diseases (OILD)** Galina P. Orlova (Saint Petersburg, Russian Federation), Galina Orlova, Elena Surkova
PA1161	**Glass wool aspiration: An unusual type of occupational pulmonary diseases** Sibel Nayci (Mersin, Turkey), Eylem Sercan Ozgur, Oguz Köksel, Sibel Nayci, Rabia Bozdogan Arpaci, Gamze Bozdogan
PA1162	**Chemical exposure triggering connective tissue disease with lung involvement** Fernando Didier Neto (Sao Paulo, Brazil), Fernando Moacyr Fragoso Didier-Neto, Beatriz Dalcolmo de Almeida Leão, André Nathan Costa, Gustavo Faibischew Prado, Mario Terra-Filho, Ubiratan de Paula Santos
PA1163	**Accelerated silicosis: A report of three patients** Ubiratan Santos (Sao Paulo, Brazil), Felipe Marques da Costa, Ellen Pierre de Oliveira, Eduardo Algranti, Elizabete Medina Coeli Mendonça, Antônio Fernando Lins de Paiva, Rodrigo Caruso Chate, Mário Terra Filho, Ubiratan De Paula Santos

Hall 14-28 Session 119 12:50 - 14:40

Thematic poster: Occupational and environmental cohort investigations and population studies

Chairs : Vusumuzi Nkosi (Pretoria, South Africa), Else Würtz (Tjele, Denmark), Joachim Muller-Quernheim (Freiburg, Germany), Walter Araùjo Zin (Rio de Janeiro, Brazil)

PA1164	**Mesothelioma in South African miners 1975-2013** Jill Murray (Johannesburg, South Africa), Jill Murray, Ntombizodwa Ndlovu, Gill Nelson
PA1165	**Occupation related lung cancer: Asbestos risk reviewed** ayesha amjad (Telford, United Kingdom), Masood Ahmad Khalil, Ayesha Amjad, Kate Garbett, K.S. Srinivasan, H. Moudgil
PA1166	**Respiratory symptoms and quality of life in asbestos-related diffuse pleural thickening and pleural plaques** Silvie Prazakova (Randwick, Australia), Silvie Prazakova, Alessandra Sandrini, Susan Miles, Paul Thomas, Anthony Johnson, Deborah Yates
PA1167	**Mortality among workers exposed to asbestos in mining activities: 1940 - 2010** Ericson Bagatin (Jundiai, Brazil), Ericson Bagatin, Fernando Simões Friestino, Sérgio Roberto De Lucca, Ricardo Cordeiro
PA1168	**Respiratory disorders of the producers and users of man made mineral fibres - Comparative study** Micaela Margineanu (Iasi, Romania), Micaela Margineanu, Eugenia Danulescu, Felicia Gradinariu, Carmen Liliana Croitoru, Madalina Ipate, Doina Havarneanu
PA1169	**Significance of alveolar lavage in assessing the aggressivity of different occupational exposures** Felicia Gradinariu (Iasi, Romania), Felicia Gradinariu, Irina Anca Popescu, Carmen Croitoru, Micaela Margineanu, Razvan Danulescu, Madalina Ipate, Ovidiu Petris, Eugenia Danulescu
PA1170	**Feasibility of using an electronic screening tool for occupational asthma in primary care** Gareth Walters (Solihull, West Midlands, United Kingdom), Gareth Walters, Jon Ayres
PA1171	**A new spirometry-based algorithm to predict occupational pulmonary restrictive impairment** Sara De Matteis (London, United Kingdom), Sara De Matteis, Amaia Iridoy, Paul Cullinan
PA1172	**Chronic obstructive pulmonary disease in never-smoking welders** Jordan Minov (Skopje, FYROM (Macedonia)), Jordan Minov, Jovanka Karadzinska-Bislimovska, Kristin Vasilevska, Snezana Risteska-Kuc, Saso Stoleski, Dragan Mijakoski
PA1173	**Daytime sleepiness, risk of sleep apnea and accidents in professional drivers** David Miedinger (Lucerne, Switzerland), David Miedinger, Sandra Isler, Matthias Moritz, Thomas Dieterle, Joerg Leuppi
PA1174	**Respiratory effects of laser printer emissions: A controlled exposure study** Stefan Karrasch (Neuherberg, Germany), Stefan Karrasch, Rudolf A. Jörres, Myriam Ehret, Britta Herbig, Jeanette Langner, Stefan Seeger, Rudolf Schierl, Dennis Nowak
PA1175	**Occupational exposure to metal working fluids aerosol and the relationship with the respiratory symptoms and lung functions among machinists** Zailina Hashim (Serdang, Malaysia), Nur Awatif Ahmad, Zailina Hashim
PA1176	**Respiratory health in the cotton industry in Pakistan** Hanns Moshammer (Vienna, Austria), Abdul W. Khan, Hanns Moshammer
PA1177	**Work in burnt sugar cane harvesting: Chronic and acute change on inflammatory markers and blood pressure** Marceli Rocha Leite (Presidente Prudente, Brazil), Marceli Rocha Leite, Dionei Ramos, Iara Buriola Trevisan, Ana Paula Coelho Figueira Freire, Bruna Spolador de Alencar Silva, Guilherme Yassuyuki Tacao, Renata Marques David, Emmanuel Almeida Burdmann, Ubiratan De Paula Santos
PA1178	**Respiratory ill health in the furniture and wood processing industries: A systematic review** Ruth Wiggans (Manchester, United Kingdom), Ruth Eleanor Wiggans, Gareth Evans, David Fishwick, Chris Barber
PA1179	**Incidence of occupational respiratory diseases in Castilla-La Mancha, Spain** Jesus Martinez Moratalla Rovira (Albacete, Spain), Jesús Martínez-Moratalla Rovira, Mª José Zamora López, Máxima Lizán García, Esperanza Mancebo Gilabert, María Martínez-Moratalla De La Prida
PA1180	**Respiratory symptoms, lung function tests and airway responsiveness among crop farmers** Sasho Stoleski (Skopje, FYROM (Macedonia)), Saso Stoleski, Jovanka Karadzinska-Bislimovska, Jordan Minov, Dragan Mijakoski
PA1181	**Interdependence between lung tests, cellular immunity and dose of radiation exposure in COPD patients clean-up workers of Chernobyl NPP accident in remote post accidental period** Victor Sushko (Kiev, Ukraine), Viktor Sushko, Kostiantyn Bazyka
PA1182	**Lung function, birth weight and tobacco smoke exposure in children from rural and urban areas** Vesna Vekovic (Belgrade, Republic of Serbia), Vesna Vekovic, Sofija Verovic, Jasmina Jocic-Stojanovic, Zorica Zivkovic

Hall 14-29 Session 120 12:50 - 14:40

Thematic poster: Specific populations of smokers (women, adolescents and young adults)

Chairs : Elif Dagli (Istanbul, Turkey), Filippos Filippidis (London, United Kingdom), Angela Zacharasiewicz (Vienna, Austria), Paraskevi Katsaounou (Athens, Greece)

PA1183	**The overestimation on tobacco consumption of peers by teenagers increase when tobacco consumption decrease** Marie Dominique Dautzenberg (Paris, France), Marie-Dominique Dautzenberg, Pierre Birkui, Nicole Rieu, Bertrand Dautzenberg
PA1184	**Maternal smoking during pregnancy a significant risk factor for women and their children** Natalia Astafieva (Saratov, Saratov Oblast, Russian Federation), Natalia Astafieva, Olga Naumova, Inna Gamova, Ekaterina Udovichenko, Irina Perfilova
PA1185	**Tobacco use among working adolescents and high school students- Turkey, 2006 and 2013** Ahmet Hakan Gedik (Istanbul, Turkey), Ahmet Hakan Gedik, Erkan Cakir, Ali Ozdemir, Nazli Burcin Karacabey, Nezih Varol, Fazilet Karakoc, Refika Ersu, Bulent Karadag, Elif Dagli
PA1186	**Do we need to promote healthy behaviors among medical students? - A cross sectional study** Sofia Belo Ravara (Lisbon, Portugal), Sofia Ravara, Daniela Faria, Irma Brito
PA1187	**Incidence and social predictors of oral lesions in women with habitual smokeless tobacco use in Karachi, Pakistan** Farah Idrees (Karachi, Pakistan), Farah Idrees
PA1188	**Comparison of smoking habits among students from medical and non medical universities across Pakistan** Saima Akhter (Karachi, Pakistan), Saima Akhter, Usman Ali, Sajeer Bhura, Nadeem Rizvi, Mustufa Khursheed
PA1189	**Overlapping causes of starting smoking and substance abuse** Mahshid Aryanpur (Tehran, Islamic Republic of Iran), Mahshid Aryanpur, Hooman Sharifi, Zahra Hessami, Gholam Reza Heydari, Mohammad Reza Aryan, Ashraf Vaseghnia, Hamid Reza Jamaati
PA1190	**The social representation of smoking for female sex workers and their prevalence** Ilda Godoy (Botucatu, Brazil), Ligia L. Devóglio, Maria Helena Borgato, Irma Godoy, Ilda De Godoy
PA1191	**Prevalence and characteristics of tobacco smoking among female students in Pakistan** Hasan Mustafa (Karachi, Pakistan), Saima Akhter, Hasan Mustafa, Usma Ali Warraich, Nadeem Rizvi
PA1192	**Comparison of post natal abnormalities and death of infants of smoking and non-smoking women** Maria Malik (Karachi, Pakistan), Maria Malik, Ashok Kumar, Nadeem Rizvi
PA1193	**Smoking knowledge, attitude and behavior of child labor who live in Tehran during 2013-2014** Mahshid Aryanpur (Tehran, Islamic Republic of Iran), Mahshid Aryanpur, Ali Ramezankhani, Hooman Sharifi, Zahra Hessami, Gholam Reza Heydari, Mohammad Reza Aryan, Hamid Reza Jamaati
PA1194	**Perceptions of EC tobacco products directive (TPD) cigarette packs and fully standardized Irish cigarette packs: A survey of Irish students** Kate Babineau (Dublin, Ireland), Luke Clancy, Kate Babineau, Sheila Keogan
PA1195	**Inequalities in smoking prevalence during pregnancy: Comparing results from 53 low and middle income countries** Fernando C Wehrmeister (Pelotas, Brazil), Fernando C. Wehrmeister, María Clara Restrepo-Méndez, Giovanny V.A. França, Aluisio J.D. Barros, Cesar G. Victora
PA1196	**Smoking behavior of secondary school children in Constanta county** Elena Dantes (Constanta, Romania), Elena Dantes, Cristian Oancea, Oana Cristina Arghir, Petronela Ariadna Fildan
PA1197	**Factors associated with smoking initiation age in adults** Zehra Asuk Yasar (Bolu, Turkey), Zehra Yasar, Aysel Kargi, Fahrettin Talay, Tuncer Tug, Erdogan Cetinkaya
PA1198	**Cotinine and trans-3-hydroxycotinine as surrogate markers for ETS exposure in children** Peter Fsadni (Birkirkara, Malta), Peter Fsadni, Noel Aquilina, Stephen Montefort
PA1199	**The evaluation of the factors that affects the smoking behaviours in a group of high school students in Turkey** Melike Demir (Diyarbakir, Turkey), Melike Demir, Gulistan Karadeniz, Fikri Demir, Cem Karadeniz, Halide Kaya, Derya Yenibertiz, Mahsuk Taylan, Velat Sen, Sureyya Yilmaz
PA1200	**Modern aspects of evaluation of halth status using acoustic analysis of respiratory sound of teenage smoking** Egor Mokin (Samara, Russian Federation), Natalia Mokina, Vasily Pjatin, Egor Mokin
PA1201	**Recurrent wheezing in children and smoking exposure** Ioana Ciuca (Timis, Romania), Ioana Ciuca, Liviu Pop, Sonia Tanasescu, Gabriela Duta, Monica Marc

Hall 14-30 Session 121 12:50 - 14:40

Thematic poster: Smoking cessation

Chairs : Sofia Belo Ravara (Lisbon, Portugal), Philip Tønnesen (Glostrup, Denmark), Michael Toumbis (Athens, Greece), Athanasia Pataka (Panorama Thessaloniki, Greece)

PA1202	**Do pulmonary function tests effect short-term smoking cessation rates?** Banu Musaffa Salepçi (Istanbul, Turkey), Banu Salepci, Benan Caglayan, Ali Fidan, Elif Torun Parmaksiz, Nesrin Kiral, Sevda Sener Comert, Coskun Dogan, Esma Coskun
PA1203	**Online survey of COPD recognition and its determinant factors in the original users of our smoking cessation app** Hitoshi Katayama (Toon, Japan), Hitoshi Katayama, Ryoji Ito, Chie Yamamoto, Chizuru Hamada, Ryo Toyozawa, Aki Kato, Seigo Miyoshi, Takafumi Okura, Jitsuo Higaki
PA1204	**Evaluation of smoking cessation related press coverage in 2014** Murat GÜner (Istanbul, Turkey), Murat Güner, Elif Dagli, Fusun Yildiz, Osman Elbek, Eza Evrengil
PA1205	**Is surgical treatment a motivator factor for smoking cessation? Experience in an anticancer hospital** Danai Bisirtzoglou (Athens, Greece), Dimitrios Theofilos, Charalampos Marketos, Danai Bisirtzoglou, Athanasios Zetos, Antigoni Sakelaropoulou, George Politis
PA1206	**Smoking cessation for free: First long-term outcomes in three Romanian centres** Letitia Trofor (Iasi, Romania), Letitia Trofor, Corina Marginean, Milena Man, Ramona Miron, Elena Barnea, Antigona Carmen Trofor
PA1207	**Does short message service (SMS) increase adherence to smoking cessation clinic appointments and quitting smoking?** Seda Tural Önür (Istanbul, Turkey), Seda Tural Onur, Mehmet Atilla Uysal, Sinem Iliaz, Ayse Bahadir, Sibel Yurt, Didem Gorgun Hattatoglu, Mediha Gonenc Ortakoylu, Belma Akbaba Bagci
PA1208	**Smoke cessation recommendations and prescriptions in hospitalised medical patients** Josef Micallef (Birkirkara, Malta), Stephanie Attard, Juanita Casengena Garcia, Kentaro Yamagata, Ramon Casha, Josef Micallef
PA1209	**Impacts of pharmacist-led smoking cessation program on patients with chronic diseases in a Thai community hospital** Piyawan Kuwalairat (Chumphon, Thailand), Piyawan Kuwalairat, Rarin Sornkate, Sunee Lertsinudom
PA1210	**Smoking cessation after first admission in a respiratory unit** Eva B. Cabrera Cesar (Granada, Spain), Eva Cabrera Cesar, Maria Carmen Fernandez Aguirre, Nuria Reina Marfil, Lidia Lopez Lopez, Jose Luis Velasco Garrido, Maria Victoria Hidalgo Sanjuan
PA1211	**Abstinence, cigarette consumption and health disorders in smokers when quitting and five years later** Marinela Raileanu (Bucarest, Romania), Marinela Raileanu
PA1212	**Experience of stop smoking national cessation program from Romania, Cluj-Napoca area. Can we help people to quit smoking?** Andreea Coman (Cluj-Napoca, Romania), Doina Adina Todea, Andreea Codruta Coman
PA1213	**Cigarettes per day and ethnicity in London** Patrick T White (London, United Kingdom), Alexander Gilkes, Peter Schofield, Mark Ashworth, Sally Hull, Stevo Durbaba, Patrick White
PA1214	**Factors associated with smokers' will for smoking cessation in Korea** Ah Young Leem (Seoul, Republic of Korea), Ah Young Leem, Chang Hoon Han, Chul Min Ahn, Tae-Hoon Jung, Yu-Il Kim, Jae Yeol Kim, Sang Haak Lee, Eun Mi Chun, Kwang-Ha Yoo, Ji Ye Jung
PA1215	**Smoking cessations in asthma/COPD patients at one stop service clinic in Tertiary care hospital** Panomporn Junla-or (Buriram, Thailand), Visakha Boontod, Panomporn Junla-or, Narin Chindavech, Soralak Prajead, Visagorn Modthong
PA1216	**The problem of low rate-smokers: Smoking pattern and cessation outcomes** Cristina Chirila (Iasi, Romania), Cristina Chirila, Letitia Trofor, Alexandru Frunza, Andra Maria Albu, Rodica Gherghesanu, Antigona Carmen Trofor
PA1217	**Time trend in the smoking cessation program efficacy – A single center experience** Branka Bulaji Suboti (Beograd, Republic of Serbia), Branka Bulajic Subotic, Ika Pesic
PA1219	**The practical application of clinical guidelines for smoking cessation in adolescents: The final assessment point and the effectiveness of interventions** Egor Mokin (Samara, Russian Federation), Natalia Mokina, Vasily Pjatin, Egor Mokin

PA1220	**Assessing motivation to quit and nicotine dependence in a smoking cessation program- A cross-sectional study** Sofia Belo Ravara (Lisbon, Portugal), Sofia Ravara, Mariana Batista, Eva Campos-Pereira, Jose M. Calheiros

Hall 14-31 Session 122 12:50 - 14:40

Thematic poster: Genetics and environmental factors in phenotypes of asthma and COPD

Chairs : Erik Melén (Stockholm, Sweden), Tiziana Patrizia Cremona (Bern, Switzerland), Daan Loth (Rotterdam, Netherlands), Judith Vonk (Groningen, Netherlands)

PA1222	**LATE-BREAKING ABSTRACT: Genome-wide association studies identify novel loci associated with early postnatal lung function** Olga Gorlanova (Aesch, Switzerland), Olga Gorlanova, Jakob Usemann, Philipp Latzin, Anne Schmidt, Sven Michel, Antoaneta Toncheva, Michael Kabesch, Urs Frey
PA1223	**Differences in response to Der p1 and bacterial lipopolysaccharide in peripheral blood mononuclear cells from severe and non-severe asthmatics** Ewa Pniewska (Lodz, Poland), Ewa Pniewska, Izabela Kuprys-Lipinska, Piotr Kuna, Rafal Pawliczak
PA1224	**Genetic variants in NRXN1, CHRNA3, CHRNA5 and CHRNB4 are associated with smoking and increased consumption of cigarettes per day in a Mexican mestizo population** Gloria Pérez-Rubio (México, Mexico), Gloria Pérez-Rubio, Martha E. Pérez-Rodríguez, Alejandra Ramírez-Venegas, Raul Sansores, Angel Camarena, Ramcés Falfán-Valencia
PA1225	**Gene expression profile of pulmonary inflammation in rat lung induced by nickel oxide nanoparticles following intratracheal instillation** Hiroto Izumi (Kitakyushu, Japan), Hiroto Izumi, Yukiko Yoshiura, Taisuke Tomonaga, Byeong-Woo Lee, Takami Okada, Takako Oyabu, Toshihiko Myojo, Manabu Shimada, Masaru Kubo, Kazuhiro Yamamoto, Shinichi Kitajima, Yasuo Morimoto
PA1226	**Inactivation of glycogen synthase kinase 3 (GSK-3) enhances skeletal muscle oxidative metabolism** Alexander H Remels (Maastricht, Netherlands), Alexander Remels, Koen Verhees, Harry Gosker, Annemie Schols, Ramon Langen, Alexander Remels
PA1227	**The relationship of vitamin D binding protein polymorphisms with blood vitamin D Level in Korean patients with COPD** Youngmok Park (Seoul, Republic of Korea), Youngmok Park, Young Sam Kim, Se Kyu Kim, Yeon-Mok Oh, Sang Do Lee, Ji Ye Jung, KOLD Study
PA1228	**Effect of TRPV4 gene polymorphisms on osmotic airway hyperresponsiveness in patients with asthma** Denis Naumov (Blagoveshchensk, Amur Oblast, Russian Federation), Denis Naumov, Juliy Perelman, Anna Prikhodko, Victor Kolosov, Vladimir Maksimov, Mikhail Voevoda
PA1229	**Genetic influences on lung function decline in AATD** Heena Khiroya (Birmingham, United Kingdom), Heena Khiroya, Paul Newby, Ross Edgar, Rob Stockley, Alice Turner
PA1230	**Association between genetic polymorphisms of ADAM33 with asthma and its phenotypes** Padukudru Anand Mahesh (Mysore, India), Mahesh Padukudru Anand, Sangeetha Visweshwaraiah, Ramachandra Nallur, Jayaraj Biligere, Chaya Sindaghatta, Amrutha Holla
PA1231	**Single nucleotide polymorphism and asthma: A study on the genetic basis of asthma** Padukudru Anand Mahesh (Mysore, India), Sareh Raeiszadeh Jahromi, P.A. Mahesh, B.S. Jayaraj, Amrutha D. Holla, Sangeetha Vishweswaraiah, Ramachandra B. Nallur
PA1232	**Polymorphic variants of genes ADRB2, NR3C1, MDR1 in patients with chronic obstructive pulmonary disease and obesity** Anna Stupnytska (Chernivtsi, Ukraine), Nataliya Gorovenko, Ganna Stupnytska, Svitlana Podolskaya
PA1234	**Inflammation-related genes, peripheral blood eosinophil (EOS) and neutrophil (NEU) count, and lung function in adult asthma** Simone Accordini (Verona, Italy), Simone Accordini, Lucia Calciano, Cristina Bombieri, Giovanni Malerba, Francesca Belpinati, Marcello Ferrari, Anna Rita Lo Presti, Mario Olivieri, Elisabetta Zanolin, Roberto De Marco

Hall 14-32 Session 123 12:50 - 14:40

Thematic poster: Management of asthma and other respiratory diseases in primary care

Chairs : Anders Ostrem (Oslo, Norway), Ioanna Tsiligianni (Heraklion, Crete, Greece), Tjard Schermer (Nijmegen, Netherlands), Rupert Jones (Milton Combe (DEVON), United Kingdom)

PA1235	**LATE-BREAKING ABSTRACT: The prevalence of night and morning symptoms in primary care COPD patients: How do they relate to COPD health status and disease severity? An UNLOCK study** Esther Metting (Groningen, Netherlands), Esther Metting, Ioanna Tsiligianni, Janwillem Kocks, Thys van der Molen, Niels Chavannes
PA1236	**Training tool versus instruction leaflet for pMDI use - A controlled group comparative study** Michael Welch (San Diego, United States of America), Michael Welch, Alex Greiner, Susan Smith, Nancy Ostrom, Mark Sanders
PA1237	**E cigarettes: Knowledge and attitudes in Canadian primary care physicians** Alan Kaplan (Richmond Hill, Canada), Alan Kaplan
PA1238	**REG study: Real-life, longitudinal ICS adherence patterns in a UK asthma population** Alexandra Dima (Amsterdam, Netherlands), Alexandra Dima, Patrick Souverein, Ellen Koster, Alison Chisholm, David Price, Gene Colice
PA1239	**Hemoptysis in children: Sometimes scary sometimes petty** Ayse Tana Aslan (Ankara, Turkey), Ayse Aslan, Tugba Sismanlar
PA1240	**Pharmacist's time spending to manage patients with asthma or COPD in an outpatient clinic in Thailand** Sirin Phenphinan (Khon Kaen, Thailand), Sunee Lertsinudom, Sirin Phenphinan, Kesarin Choopunyalerd
PA1241	**Clinical outcomes and quality of life of asthma patients in Asthma Clinic, Tertiary Care Hospital in Thailand** Kesarin Choopunyalerd (Khonkaen, Thailand), Sunee Lertsinudom, Ketsarin Choopanyalert
PA1242	**Evaluation of robustness of valved holding chambers (VHCs) following repeated dishwasher cycles in-use** Jason Suggett (London, Canada), Jason Suggett, Mark Nagel, Angelica Botero, Jolyon Mitchell
PA1243	**Variation in non-elective hospital admission and consequent asthma costs across primary care practice and clinical commissioning group (CCG), Wessex, United Kingdom** Lucy Rigge (Westbourne, United Kingdom), Lucy Rigge, Frank Ratcliff, Kate Lippiett, Lynn Josephs, Mike Thomas, Tom Wilkinson
PA1244	**Combination therapy versus separate therapy in real-life primary care asthma patients** Esther Metting (Groningen, Netherlands), Esther I. Metting, Janwillem W.H. Kocks, Thys Van der Molen
PA1245	**Dose-response effect of small particle vs standard size particle inhaled corticosteroids on severe asthma exacerbations by sex** David Price (Aberdeen, United Kingdom), David B. Price, Gene Colice, Jonathan Grigg, Richard J. Martin, Theresa W. Guilbert, Elliot Israel, Dirkje S. Postma, Nicolas Roche, Anne Burden, Valerie L. Ashton, Wim Van Aalderen
PA1246	**Skilled manpower assistance for management of chronic respiratory diseases (CRDs): Does India really need it?** Madhuragauri Shevade (Pune, Maharashtra, India), Madhuragauri Shevade, Komalkirti Apte, Somnath Bondarde, Sapna Madas, Sundeep Salvi
PA1247	**The low dose macrolides for prevention of exacerbations in non-CF bronchiectasis** Young Min Lee (Busan, Republic of Korea), Young Min Lee
PA1248	**Association between alpha 1 antitrypsin and bronchiectasis** David Manuel Araújo (Porto, Portugal), David Araújo, Maria Sucena
PA1249	**Development and implementation of standard carer training guidelines for the care of long term ventilated patients in the community** Alison Armstrong (Newcastle upon Tyne, United Kingdom), Alison Armstrong, Jacqueline Ross, Sue Pieri-Davies
PA1250	**Clinical manifestations of GERD in smoking patients** Victoria Pidzhimyan (Saint-Petersburg, Russian Federation), Victoria Pidzimyan, Olga Dudina, Vera Yablonskaya, Natalia Shaporova
PA1251	**Inhalation therapy with hypertonic saline (3%) – A treatment option for airway disease in children?** Markus Koch (Murnau, Germany), Markus Koch, Heribert Mentzel, Rosina Ledermüller
PA1252	**Awareness of COPD in primary & secondary health care facilities in Eastern UP, India** Anubha Jain (Lucknow, India), Anubha Jain, J.K. Samaria, Shantakumar, Kumar Utsav
PA1253	**Study of 793 COPD patients treated by general practitioners (GPs), intensivists (IPs) and pulmonologists (Ps) across India** Renu Sorte (Pune, Maharashtra, India), Renu Sorte, Parthssarthy Bhattacharyya, P. Mahesh, Raja Dhar, Suryakant Tripathi, Rajesh Swarnakar, D. Christopher, Mahavir Modi, C. Prasad, Sapna Madas, Sundeep Salvi, Sneha Limaye

Hall 14-33 Session 124 12:50 - 14:40

Thematic poster: Paediatric respiratory physiology

Chairs : Valentina Fainardi (Parma, Italy), Nicole Beydon (Paris, France), Shannon Simpson (Western Australia, Australia), Paul Robinson (Sydney, NSW, Australia), Chair to be confirmed

PA1254	**Genetic variants on 6q12 and 11p14 are associated with elevated exhaled nitric oxide and respiratory symptoms during infancy** Oliver Fuchs (Munich, Germany), Oliver Fuchs, Olga Gorlanova, Philipp Latzin, Anne Schmidt, Sven Michel, Michael Kabesch, Urs Frey
PA1255	**Telomere attrition in peripheral blood mononuclear cells of children with alpha-1 antitrypsin deficiency** Francisco Jose Dasi Fernandez (Valencia, Spain), Amparo Escribano, Sara Pastor, Ana Reula, Silvia Castillo, Shirley Camacho, Francisco Sanz, Pilar Codoñer-Franch, Francisco Dasi
PA1256	**Structural abnormalities do not explain the reduced exercise capacity in preterm children** Christopher O'Dea (Perth, Australia), Christopher O'Dea, Karla Logie, Andrew Wilson, Andrew Maiorana, Jane Pillow, Georgia Banton, Shannon Simpson, Graham Hall
PA1257	**Long-term effects of severe acute malnutrition on lung function in children** Natasha Lelijveld (London, United Kingdom), Natasha Lelijveld, Jane Kirky, Marko Kerac, Janet Stocks
PA1258	**Limitations of forced spirometry in the detection of bronchodilator response in asthmatic children** Dorottya Czovek (Brisbane, Australia), Dorottya Czovek, Claire Shackleton, Kate Taylor, Zoltan Gingl, Zoltan Hantos, Peter Sly
PA1259	**Home respiratory monitoring in infants born preterm using pulse oximeter plethysmogram analysis** Paul Seddon (West Sussex, United Kingdom), Paul Seddon, Sonia Sobowiec Kouman, David Wertheim
PA1260	**Thermal imaging method for measurement of respiratory rate** Heather Elphick (Sheffield, United Kingdom), Heather Elphick, Abdulkadir Alkali, Ruth Kingshott, Derek Burke, Reza Saatchi
PA1261	**Equipment specific reference ranges for the raised volume technique (RVRTC) in infants: A multi-centre collaboration** Sooky Lum (London, United Kingdom), Sooky Lum, Vassiliki Bountziouka, Angela Wade, Jane Kirkby, Antonio Moreno-Galdo, Olaia SardonPrado, Joerg Mattes, Luis Miguel Borrego, Joanne Miles, Janet Stocks
PA1262	**In vitro and in vivo comparison of two multiple breath nitrogen washout devices** Lena Raaijmakers (Nijmegen, Netherlands), Lena Raaijmakers, Renee Jensen, Sanja Stanojevic, Peter Merkus, Felix Ratjen
PA1263	**Characterisation of leaks during multiple breath washout and their influence on test results** Nina Lenherr (Basel, Switzerland), Nina Lenherr, Kerstin Jost, Linn Hornwall, Florian Singer, Sophie Yammine, Philipp Latzin
PA1264	**Different indices of inert gas washout measurements define physiological phenotypes** Sylvia Nyilas (Basel, Switzerland), Sylvia Nyilas, Sophie Yammine, Nitin Kumar, Anne Schlegtendal, Anna Gensmer, Florian Singer, Cordula Koerner-Rettberg, Urs Frey, Carmen Casaulta, Philipp Latzin
PA1265	**Ability of lung clearance index to track changes in a routine clinical CF setting** Simone Salzmann (Bern, Switzerland), Simone Salzmann, Sophie Yammine, Linn Krüger, Carmen Casaulta, Philipp Latzin
PA1266	**The effect of hyperoxia on tidal breathing in preschool children** Kathryn Ramsey (Chapel Hill, United States of America), Kathryn Ramsey, Caroline Gallagher, Graham Hall
PA1267	**Can S_{cond} and S_{acin} be estimated from two multiple breath washout tests across childhood?** Kate Hardaker (Westmead, Australia), Kate Hardaker, Geshani Jayasuriya, Per Gustafsson, Peter Cooper, Dominic Fitzgerald, Hiran Selvadurai, Paul Robinson
PA1268	**LCI and Moment ratios (MR) at different tracer cut-offs in infant multiple-breath-washout measurements** Barbara Egger (Basel, Switzerland), Barbara Egger, Sophie Yammine, Anne Schmidt, Urs Frey, Philipp Latzin
PA1269	**Peripheral airway abnormalities are common in children post bone marrow transplantation** Rathnini Jayasuriya (Sydney, Australia), Geshani Jayasuriya, Greg King, Hiran Selvadurai, Melissa Gabriel, Per Gustaffson, Kate Hardaker, Brendan Kennedy, Steven Keogh, Ida O'Brien, Peter Shaw, Paul Robinson
PA1270	**Feasibility of performing pulmonary function testing in cohort studies** Krzysztof Kowalik (Mississauga, Canada), Krzysztof Kowalik, Zihang Lu, Wendy Lou, Susan Balkovec, Flora Lau, Per Gustafsson, Malcolm R. Sears, Felix Ratjen, Padmaja Subbarao

PA1271 **Selecting a spirometry control group for Malawian children**
Jane Kirkby (London, United Kingdom), Jane Kirkby, Natasha Lelijveld, Sooky Lum, Marko Kerac, Janet Stocks

PA1272 **Normal lung function in Angolan children**
Michele Arigliani (Udine, Italy), Michele Arigliani, Mario C. Canciani, Andrea Magnolato, Philip H. Quanjer

PA1273 **Hypoxemia, symptoms and bronchial obstruction in asthmatic children seen in a lung function laboratory**
Nicole Beydon (Paris, France), Thi Lan Thanh NGuyen, Fatma Lancin, Nicole Beydon

Hall 14-34 Session 125 12:50 - 14:40

Thematic poster: Paediatric asthma and allergy: asthma management

Chairs : Erol Gaillard (Leicester, United Kingdom), Özge Yilmaz (Manisa, Turkey), Giuseppe Gallo (Verona, Italy), Marc van der Schee (Amsterdam, Netherlands)

PA1274 **Effect of 1 year treatment with inhaled corticosteroids with electronically assessed adherence on height growth in children with asthma**
Nele Wardenier (Zwolle, Netherlands), Nele Wardenier, Ted Klok, Paul Brand

PA1275 **Adherence to inhaled corticosteroids in asthmatic children in Dutch primary care**
Marjolein Engelkes (Bergschenhoek, Netherlands), Marjolein Engelkes, Hettie Janssens, Johan De Jongste, Miriam Sturkenboom, Katia Verhamme

PA1276 **Asthma guidelines need to be followed at primary care level to improve symptom control in children**
Judy Pitts (Westerville, United States of America), Shahid Sheikh, Judy Pitts, Karen McCoy

PA1277 **Following asthma guidelines improves quality of life in children with asthma**
Judy Pitts (Westerville, United States of America), Shahid Sheikh, Judy Pitts, Nancy Ryan-Wenger, David Stukus, Karen McCoy, Kavitha Kotha

PA1278 **Asthmatic children: Parents knowledge is enough?**
Roseane Caldeira (Montes Claros, Brazil), Roseane Caldeira, Iuri Oliveira

PA1279 **Parenting stress related to behavioural problems and disease severity in children with problematic severe asthma**
Marieke Verkleij (Hilversum, Netherlands), Marieke Verkleij, Erik-Jonas Van de Griendt, Vivian Colland, Nancy Van Loey, Anita Beelen, Rinie Geenen

PA1280 **Efficacy and safety of isoproterenol continuous inhalation treatment for acute severe exacerbation of asthma in children; a randomized, double-blind controlled study**
Toshio Katsunuma (Tokyo, Japan), Toshio Katsunuma, Takanobu Maekawa, Ken-ichi Akashi, Takao Fujisawa, Yukihiro Ohya, Koji Hashimoto, Yuichi Adachi, Mari S. Oba, Mayumi Sako, Hidefumi Nakamura, Yasuo Ohashi

PA1281 **Inter-observer agreement in clinical assessment of children with acute dyspnea in the emergency department**
Marieke van der Vegt (Zwolle, Netherlands), Marieke Van der Vegt, Eric De Groot, Paul Brand

PA1282 **Study of the small airway and its role in pediatric asthma control assessment**
Olaia Sardon (San Sebastian, Spain), Olaia Sardon, Garazi Azaldegi, Ane Aldasoro, Paula Corcuera, Jose I. Emparanza, Javier Mintegui, Javier Korta, Eduardo G. Pérez-Yarza

PA1283 **Small airways targeting of inhaled steroids for severe therapy resistant asthma in children**
Sanne Kloosterman (Rotterdam, Netherlands), Sanne F. Kloosterman, Harm A.W.M. Tiddens, Joke L. Overweel, Johan C. De Jongste, Hettie M. Janssens

PA1284 **Bronchial epithelium is already abnormal in children with severe asthma**
Ania Carsin (Marseille, France), Ania Carsin, Jean-Christophe Dubus, Julie Mazenq, Céline Garulli, Jacques De Blic, Pascal Chanez, Delphine Gras

PA1285 **Assessment of SLIT efficacy in children by FeNO**
Zorica Živkovi (Beograd, Republic of Serbia), Zorica Zivkovic, Ivana Djuric-Filipovic, Jasmina Jocic-Stojanovic, Vesna Vekovic

PA1286 **Magnesium deficiency correction for improvement of children bronchial asthma treatment results**
Ivan Shishimorov (Volgograd, Russian Federation), Ivan Shishimorov, Vladimir Petrov, Olga Magnitskaya, Aleksey Perminov, Igor Nefedov

PA1287 **Validation of a new quality of life instrument for wheezy preschool children**
Paul Seddon (West Sussex, United Kingdom), Catherine Olden, Liz Symes, Paul Seddon

PA1288 **Impact of asthma on health related quality of life of adolescents in a District of Sri Lanka**
Manjula Danansuriya (Ragama, Sri Lanka), Manjula Danansuriya, Lalini Rajapaksa

PA1289	**Concordance between physician's assessment of asthma control and quality of life in children** Ae Ra Kee (Singapore, Singapore), Ae Ra Kee, Xiaoting Huang, Gwee Yong Xiang, John C. Allen Jr, Soh Yan Tan, Shu Xian Chiang, Ai Huay Teo, Chay Oh Moh, Teoh Oon Hoe, Pugalenthi Arun, Anne Goh, Petrina Wong, Biju Thomas
PA1290	**Correlation of financial burden with severity of asthma in children** Keya Rani Lahiri (Mumbai, India), Keya Lahiri, Fehmida Najmuddin, Pallavi Gahlowt
PA1291	**Inhaled-corticosteroids, body weight and height in children with asthma** Guergana Petrova Stoyanova (Sofia, Bulgaria), Guergana Petrova, Vera Papochieva, Snezhina Lazova, Dimitrinka Miteva, Katia Temelkova, Penka Perenovska
PA1292	**Knemometry assessment of short-term lower leg growth in children with asthma treated with fluticasone propionate/formoterol combination therapy** Ole Wolthers (Randers, Denmark), Ole D. Wolthers, Ainslee Moore, Sabine Mersmann, Sanjeeva Dissanayake
PA1293	**Assessment of baseline adrenal function by measurement of long term cortisol levels in scalp hair of asthmatic children using inhaled corticosteroids compared to healthy controls** Maria Smit (Gouda, Netherlands), Maria Smit, Ed Van Leer, Gerard Noppe, Yolanda De Rijke, Jurriaan Hoekx, Erica Van den Akker

Hall 14-35 Session 126 12:50 - 14:40

Thematic poster: Cystic fibrosis: microbiology, immunology and assessment

Chairs : Mark Rosenthal (London, United Kingdom), Rishi Pabary (London, United Kingdom), Dominik Hartl (Tübingen, Germany), Andrew Bush (London, United Kingdom)

PA1294	**LATE-BREAKING ABSTRACT: Early following up of gas trapping with computed tomography during normal breathing in infant with Cystic Fibrosis** Stefan Matecki (Montpellier, France), magalie Saguitaah, Gauthier Rémi, Cécile Duboibaudry, Laure Couder, Marie Agnes Metges, Muriel Lebourgeois, Phillipe Reix, Francis Amsallem, Nicolas Molinari, Stefan Matecki
PA1295	**Alternating inhaled antibiotic therapy in CF: A single center analysis** Charlotte Van de Kerkhove (Belsele, Belgium), C. Van de Kerkhove, M. Kicinski, P.C. Goeminne, T.S. Nawrot, L.J. Dupont
PA1296	**Antimicrobial susceptibility of pseudomonasaeruginosa in CF patients before and after regular treatment with inhaled tobramycin** Guergana Petrova Stoyanova (Sofia, Bulgaria), Guergana Petrova, Tanya Strateva, Penka Perenovska, Dimitrinka Miteva
PA1297	**Colonization of bacteria after lung transplantation in cystic fibrosis (CF) patients occurs early but does not impact survival** Anna Engell Holm (Copenhagen, Denmark), Anna Engell Holm, Hans Henrik Schutz, Michael Perch, Tacjana Pressler, Jørn Carlsen, Martin Iversen
PA1298	**Value of bronchoalveloar lavage (BAL) in management of lung infections in adult cystic fibrosis** Parthiban Nadarajan (Dublin, Ireland), Anandan Natarajan, Parthiban Nadarajan, Carla Flanagan, Charles Gallagher, Edward McKone
PA1299	**Candidaemia in cystic fibrosis patients with totally implantable venous access devices is associated with invasive procedures and exacerbation frequency** Orla O'Carroll (Dublin, Ireland), O. O'Carroll, C. McCarthy, E. O'Brien, T. McEnery, N. McElvaney
PA1300	**Prolonged oral corticosteroid therapy in allergic bronchopulmonary aspergillosis (ABPA) treatment does not increase pseudomonas aeruginosa risk** Miguel Garcia Gonzalez (Westmead, Australia), Miguel Garcia Gonzalez, Karen McKay, Peter Cooper, Hiran Selvadurai, Dominic Fitzgerald, Paul D. Robinson
PA1301	**The efficacity of omaluzimab in a case series with allergic bronchopulmonary aspergillosis and cystic fibrosis** Virginie LabossiÈre (Montréal, Canada), Virginie Labossière, François Tremblay, Annick Lavoie, Maité Sylviet-Carricart, Céline Bergeron
PA1302	**Macrophage morphology in sputum samples from paediatric CF patients** Abigail Whitehouse (Romford, United Kingdom), Rina Shah, Abigail Whitehosue, Naseem Mushtaq, Jonathan Grigg
PA1303	**Role of polymorphonuclear neutrophils (PMN) in Interleukin-1 (IL-1) processing during bacterial lung infection: Relevance to cystic fibrosis (CF)** Fanny Magne (Paris, France), Brice Lagrange, Fanny Magne, Laurette Malleret, Yves Pacheco, Gilles Devouassoux, Azzak Bentaher

PA1304 **Differential interferon response of the cystic fibrosis bronchial epithelium to major and minor group rhinovirus infection**
Aline Schoegler (Bern, Switzerland), Aline Schoegler, Andrea B. Stokes, Carmen Casaulta, Nicolas Regamey, Michael R. Edwards, Sebastian L. Johnston, Andreas Jung, Alexander Moeller, Thomas Geiser, Marco P. Alves

PA1305 **Asymmetric dimethylarginine (ADMA) in exhaled breath condensate (EBC) of children with cystic fibrosis (CF)**
Francesca Lucca (Treviso, Italy), Francesca Lucca, Mirco Ros, Silvia Carraro, Giuseppe Giordano, Liviana Da Dalt, Eugenio Baraldi

PA1306 **Statistical properties of clinical trial outcome measures in pre-school aged children with cystic fibrosis**
Lidija Turkovic (Perth, Australia), Lidija Turkovic, Tim Rosenow, Marc Padros, Kathryn Ramsey, Stephen Stick

PA1307 **How useful is thoracic ultrasound in CF exacerbation?**
Ioana Ciuca (Timis, Romania), Ioana Ciuca, Monica Marc, Liviu Pop

PA1308 **Evaluation of the pulmonary function of patients with cystic fibrosis aged 3-18 year old by using impulse oscillometry and spirometry**
Zeynep Seda Uyan (Istanbul, Turkey), Ayfer Sakarya Gunes, Zeynep Seda Uyan, Ela Erdem, Yasemin Gokdemir, Bulent Karadag, Fazilet Karakoc, Refika Ersu

PA1309 **Physical fitness in cystic fibrosis patients: What is the relation with airway obstruction?**
Caterina Lambiase (Rome, Italy), Caterina Lambiase, Alessandra Favoriti, Giuseppe Cimino, Paolo Versacci, Alessandra De Luca, Luca Lebone, Desiree Mollicone, Michela Cammarano, Arianna Di Rocco, Giancarlo Tancredi

PA1310 **Impact of gastrostomy insertion in CF population on lung function**
Rania Abusamra (Cambridge, United Kingdom), Rania Abusamra, Leo Thanikkel, Hannah Fox, Robert Ross-Russell

PA1311 **Phenotypic characteristics in adult cystic fibrosis (CF) patients carrying 3849+10kbC>T mutation in Russia**
Maria Usacheva (Yaroslavl, Russian Federation), Stanislav Krasovskiy, Maria Usacheva, Elena Amelina

Hall 14-36 Session 127 12:50 - 14:40

Thematic poster: Respiratory infections in children

Chairs : Heather Elphick (Sheffield, United Kingdom), Jayesh M. Bhatt (Nottingham, United Kingdom), Vanessa Craven (Wetherby, United Kingdom), Ahmad Kantar (Bergamo, Italy)

PA1312 **Infants with viral bronchiolitis demonstrate two distinct patterns of nocturnal oxyhemoglobin desaturation**
Athanasios G Kaditis (Athens, Greece), Athanasios Kaditis, Polytimi Panaghiotopoulou-Gartagani, Aristea Kalavrou, Anastasia Polytarchou, Dafni Moriki, Aikaterini Stergiou, Georgia Malakasioti, Emmanouel Alexopoulos

PA1313 **Respiratory problems in Schimke immuno-osseous dysplasia [SIOD]**
Hanna Dmenska (Warszawa, Poland), Hanna Dmenska, Edyta Heropolitanska-Pliszka, Barbara Pietrucha, Barbara Piatosa, Wioletta Jarmuzek, Jacek Rubik

PA1314 **Age-depended levels of IL-2, IL-4 in children with community acquired pneumonia and wheezing**
Svetlana Sciuca (Chisinau, Republic of Moldova), Svetlana Sciuca, Liuba Neamtu

PA1315 **Primary bronchial airway epithelial cell in vitro responses to common environmental exposures**
Stephen Turner (Aberdeen, United Kingdom), Steve Turner, Neil McInnes, Matthew Davidson, Alison Scaife, David Miller, Daniella Spiteri, Sean Semple, Tom Engelhardt, Garry Walsh, Graham Devereux

PA1316 **Sputum induction for assessment of lower airway infection in preschool children**
Anja Jochmann (Basel, Switzerland), Anja Jochmann, Karen Robson, Louise Fleming, Luca Artusio, Prasad Nagakumar, Andrew Bush, Sejal Saglani

PA1317 **INF-y and Neopterin as a diagnostic markers in recurrent respiratory tract diseases in children**
Nino Mdivnishvili (Tbilisi, Georgia), Nino Mdivnishvili, Ketevan Barabadze, Nino Adamia

PA1318 **Coinfection HIV-TB in children**
Igor Medvinskiy (Yekaterinburg, Russian Federation), Igor Medvinskiy, Yuriy Chugaev, Sergey Skornyakov, Natalya Kamaeva

PA1319 **Acute viral respiratory tract infections and wheezing at follow-up in children < 3 years**
Antonella Frassanito (Rome, Italy), Antonella Frassanito, Ambra Nicolai, Raffaella Nenna, Giulia Cangiano, Stefano Papasso, Enrica Mancino, Stefania Sirianni, Giulia Faiola, Alessandra Pierangeli, Carolina Scagnolari, Corrado Moretti, Fabio Midulla

PA1320 **Is there a correlation between bronchiolitis and urinary tract infection?**
Fotios Kirvassilis (Oraiokastro, Greece), Fotios Kirvassilis, Elpis Hatziagorou, Alexandra Hatzi, Athina Tsourtsoula, Eleni Tasika, John Tsanakas

Hall 14-37 Session 128 12:50 - 14:40

Thematic poster: Paediatric epidemiology: pulmonary complications, bronchiolitis and asthma

Chairs : Daan Caudri (Rotterdam, Netherlands), Katy Pike (Hampshire, United Kingdom), Stefania La Grutta (Palermo, Italy), Bülent Taner Karadag (Istanbul, Turkey)

PA1321	**Pediatric long term ventilation: A 15 years experience of one Italian center** Marta Unolt (Rome, Italy), Marta Unolt, Martino Pavone, Teresa Salerno, Elisabetta Verrillo, Serena Soldini, Flavia Lombardi, Renato Cutrera
PA1322	**Multi-centre retrospective evaluation of respiratory and airway problems in children with sickle cell disease in the UK** Morium Akthar (Bromley, United Kingdom), Morium Akthar, Bagashri Malani, Bethany Singh, Atul Gupta
PA1323	**Causes of death after lung transplantation in children compared to adults in the United States** Don Hayes, Jr. (Columbus, United States of America), Don Hayes, Jr., Joseph Tobias, Patrick McConnell, Mark Galantowicz, Shahid Sheikh, Jeffery Auletta
PA1324	**Evaluation of pulmonary functions after hematopoietic stem cell transplantation in children** Nilay Ba kizo lu (Istanbul, Turkey), Nilay Bas Ikizoglu, Emine Atag, Gulsun Karasu, Ela Erdem Eralp, Yasemin Gokdemir, Suar Caki Kilic, Refika Ersu, Fazilet Karakoc, Bulent Karadag
PA1325	**Study of post-infectious bronchiolitis obliterans in children** Nathalia Navi (Niterói, Brazil), Nathalia Navi, Clarissa Laia Franco, Ana Letícia Ferreira Pinto, Caio Cesxar Vasconcellos, Ludmila Santos, Teresa Sarmet, Selma Sias
PA1326	**Respiratory and non-respiratory manifestations of enterovirus D68 infection outbreak in children** Tita Butenko (Ljubljana, Slovenia), Tita Butenko, Jasna Rodman, Ana Kotnik Pirs, Dusanka Lepej, Marina Praprotnik, Tina Ursic, Miroslav Petrovec, Uros Krivec
PA1327	**Epidemiological profile of pacifier use in children at a tertiary hospital and its association with respiratory infections** Debora Chong-Silva (Curitiba, Brazil), Cintia Lopes, Debora Chong-Silva
PA1328	**Effects of dietary composition on lung function and frequency of wheezing in school-aged children** Zahra Aryan (Tehran, Islamic Republic of Iran), Zahra Aryan, Akram Amiri, Akbar Amiri, Roya Kelishadi, Mohammadreza Modaresi, Sahar Shakeri
PA1329	**Anthropometric correlates of FeNO in healthy children** Kamil Bara ski (Katowice, Poland), Kamil Baranski, Jan Eugeniusz Zejda
PA1330	**The role of FeNO measurement in exploration of respiratory symptoms in children with no diagnosis of asthma** Kamil Bara ski (Katowice, Poland), Jan Eugeniusz Zejda, Kamil Baranski
PA1331	**Respiratory related hospitalizations in premature infants prophylaxed with palivizumab In the Canadian registry of palivizumab (CARESS)** Ian Mitchell (Calgary, Canada), Ian Mitchell, Haben Abraha, Abby Li, Bosco Paes, Krista Lanctot
PA1332	**Relationship between meteorological conditions and respiratory syncytial virus in a tropical country** Ranniery Acuna (Bogota, Colombia), Carlos Rodríguez, Monica Sossa, Ranniery Acuña
PA1333	**Bronchiolitis:analysis of 10 consecutive epidemiological seasons** Giulia Cangiano (Rome, Italy), Giulia Cangiano, Raffaella Nenna, Antonella Frassanito, Ambra Nicolai, Concetta Schiavariello, Marianna Eleonora Grande, Marianna Ferrara, Sara Ronci, Carolina Scagnolari, Alessandra Pierangeli, Corrado Moretti, Fabio Midulla
PA1334	**Quality assessment of acute viral bronchiolitis clinical practice guidelines** Carlos E. Rodriguez Martinez (Bogota, Colombia), Carlos E. Rodriguez-Martinez, Mónica P. Sossa-Briceño, Ranniery Acuña-Cordero
PA1335	**seasonality of bronchiolitis in hospitalized children Multan, Pakistan** tayyba amin (multan, Pakistan), Tayyba Amin, Shahid Iqbal, Imran Saleem
PA1336	**Genetic and environmental correlates of asthma among adolescents in Sri Lanka: A case control study** Manjula Danansuriya (Ragama, Sri Lanka), Manjula Danansuriya, Lalini Rajapaksa, Anura Weerasinghe, C.H. Katelaris
PA1337	**Gender differences in the prevalence and severity of wheezing, rhinitis and eczema in 5- to 8- year old and 12- to 15- year old Maltese children (ISAAC-Malta)** Eleanor Gerada (Paola, Malta), Eleanor Gerada, Hugo Agius Muscat, Liberato Camilleri, Stephen Montefort

PA1338	**Decreasing prevalence of wheezing and rhinitis but not eczema in 12- to 15- year old Maltese children over tw o decades (ISAAC-Malta)** Eleanor Gerada (Paola, Malta), Eleanor Gerada, Hugo Agius Muscat, Liberato Camilleri, Stephen Montefort
PA1339	**Physical activity and frequency of wheezing, and exercise-induced bronchospasm in school-aged children** Zahra Aryan (Tehran, Islamic Republic of Iran), Zahra Aryan, Mohammadreza Modaresi, Roya Kelishadi, Akbar Amiri, Akram Amiri
PA1340	**Approach of passive smoking by Brazilian pediatricians** Debora Chong-Silva (Curitiba, Brazil), Felipe Farias, Fernanda Milaneis, Franccesca Lopes, Natália Campos, Tatiane Soares, Tayane Staniszewski, Debora Carla Chong-Silva

Hall 14-38 Session 129 12:50 - 14:40

Thematic poster: Paediatric bronchology

Chairs : Kostas Priftis (Haidari, Athens, Greece), Deborah Snijders (Ponzano Veneto, Italy), Petr Pohunek (Prague, Czech Republic), Giulia Cangiano (Rome, Italy)

PA1341	**Effect of low dose propofol and ketamin on emergence in children undergoing flexible bronchoscopy with sevoflurane-remifentanil anaesthesia** Özge Yilmaz (Manisa, Turkey), Tulin Ozturk, Arzu Kefi, Ozge Yilmaz, Ismet Topcu, Eralp Cevikkalp, Hasan Yuksel
PA1342	**The use of fibreoptic bronchoscopy in the NICU - A single centre experience** Jonathan Coutts (Glasgow, United Kingdom), Andrew Maclaren, Elaine Balmer, Jonathan Coutts
PA1343	**Clinical follow-up in children with laryngomalacia** Tuba Koçkar (Istanbul, Turkey), Tuba Kockar, Hatice Sinav Utku, Mehmet Gündüz, Sedat Oktem
PA1344	**Long-term outcomes and quality of life in children with airway obstruction treated by metallic stents** Juan L. Anton-Pacheco (Madrid, Spain), Juan L. Antón-Pacheco, Mª Carmen Luna-Paredes, Gloria García-Hernández, Rocio Morante, Antonio Martínez-Gimeno, Carolina Díaz, Mª Isabel Benavent
PA1345	**Helical CT scan to diagnose tracheomalacia in children** Konstantinos Douros (Athens, Greece), Kostas Douros, Gerasimos Kremmydas, Vasilis Grammeniatis, Marios Papadopoulos, Michael Anthracopoulos, Efi Alexopoulou, Kostas Priftis
PA1346	**Dyspnoe due to exercise-induced dysfunctional breathing – Frequent entity in adolescents but poorly understood?** Stefanie Benzrath (Bochum, Germany), Stefanie Benzrath, Anne Schlegtendal, Folke Brinkmann, Cordula Körner-Rettberg
PA1347	**Subglottic hemangiomas in infants admitted to Alexandria University hospitals: Clinical characteristics, assessment and management** Nader Fasseeh (Alexandria, Egypt), Nader Fasseeh, Alaa Gaafar, Basant Ashoush
PA1348	**Spanish multicenter study of morbidity and pathogenic role of tracheal bronchus in pediatric patients** Marcela Moreno Quintana (Santiago, Chile), Marcela Moreno, Silvia Castillo-Corullón, Estela Pérez-Ruiz, Pedro Mondejar-Lopez, Olga De-la-Serna, Borja Osona, Javier Torres-Borrego, Mikel Santiago-Burruchaga, Oscar Asensio, Anselmo Andres-Martin, Isabel Delgado-Pecellin, Yolanda González-Jiménez, Ana Palmero, Amparo Escribano
PA1349	**Therapeutic airway procedures during flexible bronchoscopy in infants and children** Uros Krivec (Ljubljana, Slovenia), Uros Krivec, Malena Aldeco, Ana Kotnik Pirs, Igor Fajdiga, Matevz Srpcic, Jelena Berger
PA1350	**Diagnosis of the disease of plastic bronchitis in a pediatric bronchoscopy unit** Abderrahmane Bouferssaoui (Algiers, Algeria), Abderrahmane Boufersaoui, Leila Smati, Nafissa Keltoum Benhalla, Said Smail, Mourad Baghriche, Fadila Benhassine
PA1351	**Flexible bronchoscopy findings in children with protracted bacterial bronchitis** E.Nural Kiper (Ankara, Turkey), Nagehan Emiralioglu, Nural Kiper, Ebru Yalçin, Deniz Dogru Ersöz, Ugur özçelik
PA1352	**Does physician decision to initiate antibiotics based on bronchoscopy findings correlate with bronchoalveolar lavage (BAL) results?** Laura Walker (Hull, United Kingdom), Laura Walker, Alison Scott, Sonal Kansra
PA1353	**Immunodiagnosis of tuberculosis infection in children under the age of five - Which testing is feasible?** Folke Brinkmann (Hannover, Germany), Folke Brinkmann, Mareike Price, Christian Dopfer, Nicoluas Schwerk, Gesine Hansen
PA1354	**Investigations of broncho-alveolar lavage in children with asthma, bronchiectasis and cystic fibrosis** Guergana Petrova Stoyanova (Sofia, Bulgaria), Guergana Petrova, Penka Perenovska, Vladislav Ulevinov, Tanya Strateva, Nikolay Ulevinov

PA1355	**Bronchoscopic findings in children with congenital heart disease** Tuba Koçkar (Istanbul, Turkey), Tuba Kockar, Mehmet Gunduz, Sedat Oktem, Semra Gundogdu, Fatma Gamze Demirel, Ayhan Tastekin, Hacer Kamali
PA1356	**Thorax CT-angiography is useful in congenital heart disease with persistent respiratory symptoms in children** Tu ba i manlar (Ankara, Turkey), Tugba Sismanlar, Ayse Aslan, Sedef Tunaoglu, Deniz Oguz, Serdar Kula, Betul Derinkuyu, Oznur Boyunaga
PA1357	**SP-C deficiency: Three different phenotypes for the same mutation** Teresa Salerno (Rome, Italy), Teresa Salerno, Donatella Peca, Laura Menchini, Alessandra Schiavino, Renata Boldrini, Fulvio Esposito, Olivier Danhaive, Renato Cutrera
PA1358	**Spontaneous pneumothorax caused by mesenchymal cystic hamartoma in a fifteen year-old girl** Caroline Perisson (Paris, France), Caroline Perisson, Sabine Irtan, Annick Clement
PA1359	**Study of stridor in children** Ludmila Santos (Niterói, Brazil), Ludmila Santos, Nathalia Navi, Ana Letícia Ferreira Pinto, Caio Cesar Vasconcelos, Selma Sias, Omar Abou-Mourad
PA1360	**Laryngeal mask airway for ventilation during interventional flexible bronchoscopy in children** Chirine Moussa (Ezahra, Tunisia), Anissa Berraies, Chirine Moussa, Besma Hamdi, Alaa Akaad, Saberine Louhaichi, Jamel Ammar, Tahar Mestiri, Agnes Hamzaoui

Room 7.2 Session 130 13:00 - 14:30

Lunchtime session: The evolving marijuana epidemic

Experiences in the old and new world

Aims : To describe new routes of marijuana use and how these could be toxic in vulnerable populations; and to inform the audience about how to advise patients on the risks and benefits of marijuana use.

Tag(s) : Clinical

Target audience : Providers of lung health, pulmonary specialists, general practitioners, intensivists, occupational and clinical researchers, and policy and public health specialists.

Chairs : Christian Taube (Leiden, Netherlands), Stefan Andreas (Immenhausen, Germany)

13:00	**Experiences form the legalisation of marijuana in the US** Russell P Bowler (Denver, United States of America)	**1361**
13:20	**Tobacco and cannabis use in the US and Europe: single or combined problem**	**1362**
13:40	**Effects of inhaled marijuana exposure on lung health** Peter Reid (Edinburgh, United Kingdom)	**1363**
14:00	**Panel discussion**	**1364**

Room Elicium 2 Session 131 13:00 - 14:30

Lunchtime session: Treatment of idiopathic pulmonary fibrosis

ATS/ERS/JRS/ALAT clinical practice guidelines

Aims : To provide the knowledge needed to better understand the published results of several clinical trials that assess the safety and efficacy of various treatment regimens in IPF. The audience will also become aware of the implications of the new evidence-based recommendations for IPF that were generated by a panel of international experts who did not have conflicts of interest. This panel included methodologists who were experienced in reviewing evidence and developing evidence-based guidelines, general pulmonologists, internists and a patient representative. The panel made their recommendations after discussing the evidence in the presence of conflicted experienced IPF experts. By the end of the session, the audience will be able to make a well-informed decision regarding the treatment options for patients with IPF; they will also be able use the new treatment recommendations on the basis of scientific evidence. Moreover, they will have gained an appreciation for the knowns and unknowns associated with each treatment recommendation and the need for further clinical studies/trials on existing and new therapeutic interventions for IPF.

Tag(s) : Clinical

Target audience : Pulmonologists, clinicians, healthcare providers, respiratory function technologists, clinical investigators, scientists, regulatory agencies, policy makers, patients, healthcare givers, pharmaceutical industries and sponsors.

Chairs : Henk C. Hoogsteden (Rotterdam, Netherlands), Fernando J. Martinez (Ann Arbor, United States of America)

13:00	**2015 guidelines to treat IPF: an update from the 2011 guidelines - METHODOLOGY** Holger Schunemann (Hamilton, Canada)	**1365**

13:20	**2015 guidelines to treat IPF: an update of the 2011 guidelines - specific treatment recommendations** Ganesh Raghu (Seattle, United States of America)	**1366**
13:50	**Insights into the process used to develop the Official 2015 ATS/ERS/JRS/ALAT Clinical Practice Guidelines: Treatment of Idiopathic Pulmonary Fibrosis – An Update of the 2011 Clinical Practice Guideline** Kevin Wilson (Westwood, United States of America)	**1367**
14:10	**Panel discussion**	**1368**

Room 4.2 Session 132 13:00 - 14:30

Championship: 2015 Respiratory championship

Become a champion in respiratory medicine

Aims : Could you be a champion in respiratory medicine? This session tests your knowledge of the major fields of respiratory medicine and is an ideal preparation for those wanting to sit the HERMES examination.

Target audience : Trainees and specialists in respiratory medicine, and HERMES examination candidates.

Chairs : Konrad E. Bloch (Zurich, Switzerland), Thomas Brack (Glarus, Switzerland)

	Nike Emilia Swietlik (Warsaw, Poland), Slawomir Dudko (Hjørring, Denmark), Andrzej Konieczny (Rødekro, Denmark)	**1369**
	Magic BULLets Rosa Malo de Molina Ruiz (Madrid, Spain), Patricia Sobradillo Ecenarro (Bilbao, Spain), Juan Luis García Rivero (Mompía (Santa Cruz de Bezana)-Cantabria, Spain)	**1370**
	Air Busters Marlies van Dijk (Groningen, Netherlands), Peter Heukels (Rotterdam, Netherlands), Reinier R.L. Wener (Amsterdam, Netherlands)	**1371**
	Léman Cécile Daccord (Lausanne, Switzerland), Lise Lücker (Geneva, Switzerland), Beatrice Duxbury (Geneva, Switzerland)	**1372**

Room 5.2 Session 133 13:00 - 14:30

Lunchtime session: Asthma-COPD overlap syndrome (ACOS)

Joint ERS/NEJM session

Aims : Asthma and COPD have long been considered to be distinct entities. However, in the past decade, we have come to realise that there are many patients with features of both. In this session, the science underlying airway obstruction, both reversible and irreversible, will be examined. Thereafter, we will give individual talks on the two major phenotypes in the syndrome, namely, asthma with features of COPD and COPD with features of asthma.

Tag(s) : Translational

Target audience : This session was developed for scientists who wish to explore the biology of airway obstruction, the clinical researchers who want to study this overlap syndrome, and the practitioners who must diagnose and treat such patients.

Chairs : Jeffrey Drazen (Boston, United States of America), Erika von Mutius (Munich, Germany)

13:00	**Introduction** Jeffrey Drazen (Boston, United States of America)	**1373**
13:15	**Early life origins of obstructive airway diseases** Gary P. Anderson (Parkville, Australia)	**1374**
13:40	**Asthma with features of COPD** Klaus Friedrich Rabe (Grosshansdorf, Germany)	**1375**
14:05	**COPD with features of asthma** Dirkje S. Postma (Groningen, Netherlands)	**1376**

Room 5.1 Session 134 13:00 - 14:15

Assembly members' meeting: Assembly 10 Respiratory Infections

Incl. Groups 10.1 Respiratory infections and 10.2 Tuberculosis

Chairs : Stefano Aliberti (Milan, Italy), Giovanni Sotgiu (Porto Torres, Italy)

Room 4.1 Session 135 13:00 - 14:15

Assembly members' meeting: Assembly 8 Thoracic surgery and transplantation

Incl. Groups 8.1 Thoracic surgery and 8.2 Transplantation

Chairs : Dragan R. Subotic (Beograd, Republic of Serbia), Geert Verleden (Leuven, Belgium)

Room Emerald Session 136 13:00 - 14:15

Assembly members' meeting: Assembly 2 Respiratory intensive care

Incl. Groups 2.1 Acute critical care and 2.2 Noninvasive ventilatory support

Chairs : Paolo Navalesi (Vercelli, Italy), Stylianos Orfanos (Athens, Greece)

Room G102-103 Session 137 13:00 - 14:15

Assembly members' meeting: Assembly 11 Thoracic oncology

Incl. Groups 11.1 Lung cancer and 11.2 Pleural and mediastinal malignancies

Chairs : Anne-Pascale Meert (Brussels, Belgium), Arnaud Scherpereel (Lille, France)

Room 13.2 Session 139 13:00 - 14:15

Assembly members' meeting: Assembly 4 Clinical physiology, sleep and pulmonary circulation

Incl. Groups 4.1 Clinical respiratory physiology, exercise and functional imaging, 4.2 Sleep and control of breathing and 4.3 Pulmonary circulation and pulmonary vascular disease

Chairs : Maria Bonsignore (Palermo, Italy), Andrea Aliverti (Milan, Italy)

13:15-14:30
INDUSTRY PRACTICAL WORKSHOP SEE PAGE 331

Room 7.1 Session 150 14:45 - 16:45

Year in review: Interstitial lung disease, pulmonary hypertension, pulmonary embolism and sleep apnoea

and Ceremony for the ERS Pulmonary Hypertension Research Awards

Aims : To provide a complete overview of the recent publications in the different fields.
A Ceremony for the ERS Pulmonary Hypertension Research Awards (financially supported by Bayer) will preceed the Year in Review session.

Tag(s) : Clinical

Target audience : Clinicians.

Chairs : Enrico Maria Clini (Pavullo, Italy), Johan Verbraecken (Edegem (Antwerp), Belgium), Atul Malhotra (Calle Guaymas, United States of America)

14:45	**Ceremony for the ERS Pulmonary Hypertension Research Awards** Anton Vonk Noordegraaf (Amsterdam, Netherlands), Frances De Man (Amsterdam, Netherlands), Sébastien Bonnet (Quebec, Canada)	**1409**
14:55	**Interstitial lung disease** Athol Wells (London, United Kingdom)	**1410**
15:22	**Pulmonary embolism** Marion Delcroix (Leuven, Belgium)	**1411**
15:49	**Pulmonary hypertension** Anton Vonk Noordegraaf (Amsterdam, Netherlands)	**1412**
16:16	**Sleep apnoea** Jonathan Jun (Baltimore, United States of America)	**1413**

Room 7.2 Session 152 14:45 - 16:45

Symposium: Lung transplantation in the year 2015: current indications and results

Aims : To give an overview of each disease of the current indications for referral and lung transplantation, and the current results and pitfalls of lung transplantation.

Track(s) : Intensive care

Tag(s) : Clinical

Target audience : This general session on lung transplantation aims to attract clinicians (pulmonologists and surgeons), who care for transplant patients, especially referring physicians.

Chairs : Andrew Fisher (Newcastle, United Kingdom), Claus Neurohr (Munich, Germany)

14:45	**Lung transplantation for COPD/emphysema** Jens Gottlieb (Hannover, Germany)	**1418**
15:15	**Lung transplantation for pulmonary fibrosis** Geert Verleden (Leuven, Belgium)	**1419**
15:45	**Lung transplantation for cystic fibrosis** Christian Benden (Zurich, Switzerland)	**1420**
16:15	**Lung transplantation for pulmonary arterial hypertension** Paul Corris (Newcastle-upon-Tyne, United Kingdom)	**1421**

Room Elicium 2 Session 153 14:45 - 16:45

Symposium: Dysfunctional protein quality control in paediatric and adult lung diseases

Aims : To review the molecular mechanisms of the cellular stress response to protein damage, describe the evidence for dysfunctional protein quality control pathways in chronic lung diseases, discuss a common pathomechanism for chronic lung diseases and describe innovative targets for the treatment of chronic lung disease.

Tag(s) : Basic

Target audience : Clinical researchers, clinicians, pharmaceutical industry, and basic life scientists.

Chairs : Catherine Greene (Dublin, Ireland), Andreas Guenther (Giessen, Germany)

14:45	**Dysfunctional protein quality control in lung diseases** William Balch (La Jolla, United States of America)	**1422**
15:15	**Regulation of the proteasome: evaluating the lung proteasome as a new therapeutic target** Silke Meiners (Munich, Germany)	**1423**
15:45	**Emerging regulation and functions of autophagy** Suzanne Cloonan (Brookline, United States of America)	**1424**
16:15	**The integrated stress response in lung disease** Stefan Marciniak (Cambridge, United Kingdom)	**1425**

Room 4.2 Session 154 14:45 - 16:45

Symposium: Breathlessness during exercise: if not asthma, then what?

Aims : To describe the prevalence, (patho)physiology and treatment of exercise-induced asthma, teach how to interpret Exercise-Induced Bronchoconstriction test results, physiotherapeutic assessments and ergometry when evaluating childhood dyspnoea on exertion, describe the other causes of exercise-induced dyspnoea as dysfunctional breathing, vocal cord dysfunction and exercise-induced laryngeal obstruction and provide insight into how to recognise dysfunctional breathing patterns and how to teach diaphragmatic breathing.

Track(s) : Physiology Paediatric

Tag(s) : Clinical, Healthy Lungs for Life (HLfL)

Target audience : Paediatricians, physiotherapists, GPs, allied respiratory professionals, respiratory physicians, and nurses.

Chairs : Bart Rottier (Groningen, Netherlands), Mike Thomas (Southampton, United Kingdom)

14:45	**Doctor, I am running out of breath** Darragh McDonald (Dublin, Ireland)	**1426**
15:15	**Running out of breath: exercise testing** Pascale Kippelen (Uxbridge, United Kingdom)	**1427**
15:45	**Exercise-induced shortness of breath: the upper airway** Thomas Halvorsen (Bergen, Norway)	**1428**
16:15	**Breathing retraining and reconditioning: a mini course for the MD** Carina Hagman (Falun, Sweden)	**1429**

Room 5.2 Session 155 14:45 - 16:45

Symposium: Thoracic oncology: from fusion genes to treatment

Aims : To discuss the different fusion genes, the current diagnostic and treatment practices, and the future challenges and opportunities in advancing outcomes for patients with fusion gene lung cancers.

Track(s) : Oncology

Tag(s) : Translational

Target audience : Clinicians, surgeons, radiation oncologists, and pathologists involved in lung cancer.

Chairs : Jacques Cadranel (Paris, France), Jean-Paul Sculier (Brussels, Belgium)

14:45	**Fusion genes in thoracic oncology** Speaker to be confirmed	**1430**
15:15	**Identification techniques** Marcin Skrzypski (Sopot, Poland)	**1431**
15:45	**Drugs that target fusion genes** Giulio Metro (Perugia, Italy)	**1432**
16:15	**Management of patients with a tumoural fusion gene** Thierry Berghmans (Brussels, Belgium)	**1433**

Room Elicium 1 Session 156 14:45 - 16:45

Hot topics: How to approach and treat fungal and viral respiratory infections

Aims : To discuss the latest information on the epidemiology, diagnosis and treatment of rare infections; to discuss debatable data, especially those in diagnosis; and to stimulate vigilance in the audience that will help to minimise the incidence of these diseases.

Track(s) : Infection

Tag(s) : Translational

Target audience : Clinicians, fellows and scientists.

Chairs : Stijn Blot (Ghent, Belgium), Christoph Lange (Borstel, Germany)

14:45	**Viral infections in immunosuppressed patients** Felix C. Ringshausen (Hannover, Germany)	**1434**
15:15	**MERS-CoV infection** Speaker to be confirmed	**1435**
15:45	**Invasive pulmonary aspergillosis in immunosuppressed patients** George Dimopoulos (Athens, Greece)	**1436**
16:15	**ERS/ESCMID Clinical Practice Guidelines: Chronic pulmonary aspergillosis** David W. Denning (Manchester, United Kingdom)	**1437**

Room Forum Session 157 14:45 - 16:45

Oral presentation: Cystic fibrosis: assessment and treatment

Chairs : Ian Balfour-Lynn (London, United Kingdom), Harry G.M. Heijerman (The Hague, Netherlands)

OA1438	**Systemic quorum sensing signal molecules are biomarkers for current and future P. aeruginosa infection in cystic fibrosis patients: A longitudinal study** Helen Barr (Nottingham, United Kingdom), Helen Barr, Nigel Halliday, Miguel Camara, David Barrett, Paul Williams, Doug Forrester, Daniel Peckham, Kate Williams, Alan Smyth, David Honeybourne, Joanna Whitehouse, Edward Nash, Jane Dewar, Andrew Clayton, Alan Knox, Andrew Fogarty
OA1439	**MBW and MRI as sensitive markers of stable CF lung disease and at exacerbation in children and adolescents** Mirjam Stahl (Heidelberg, Germany), Mirjam Stahl, Mark Wielpütz, Simon Gräber, Susanne Hämmerling, Olaf Sommerburg, Monika Eichinger, Marcus Mall
OA1440	**Temporal progression of fungal microbiota in patients with cystic fibrosis** Laura Carrasco Hernandez (Sevilla, Spain), Laura Carrasco Hernández, Cecilía López Ramírez, Esther Quintana Gallego, Isabel Delgado Pecellín, Carmen Calero Acuña, Jose Luis López Campos, Carmen De la Horra Padilla
OA1441	**LATE-BREAKING ABSTRACT: Is there a relationship between use of inhaled antibiotics and prevalence of fungal isolates in the respiratory secretions of people with cystic fibrosis? A retrospective data analysis** Rosemary Lugg (Somerset, United Kingdom), Rosemary Lugg, Thomas Daniels

OA1442 **A new risk factor predicts ABPA in patients with cystic fibrosis**
Carsten Schwarz (Berlin, Germany), Anja Thronicke, Claudia Brandt, Carsten Schwarz

OA1443 **Cystic fibrosis diagnosis in adulthood as a result of study of relatives within the newborn screening programme**
Silvia Gartner (Barcelona, Spain), Silvia Gartner, Antonio Álvarez, Sandra Rovira, Javier De Gracia, Antonio Moreno, Teresa Casals, Paula Fernadez, Eduardo Tizzano, Ines De Mir, Alba Torrent, Elena Garcia Arumi

OA1444 **Airway nitric oxide production in patients with cystic fibrosis increases with ivacaftor therapy**
Hartmut Grasemann (Toronto, Canada), Hartmut Grasemann, Tanja Gonska, Julie Avolio, Michelle Klingel, Elizabeth Tullis, Felix Ratjen

OA1445 **Long-term tiotropium bromide therapy was retrospectively analyzed in adults with cystic fibrosis**
Carsten Schwarz (Berlin, Germany), Anja Thronicke, Claudia Brandt, Carsten Schwarz

Room 5.1 Session 158 14:45 - 16:45

Oral presentation: Latent TB infection and screening

Chairs : Christian Wejse (Aarhus, Denmark), Delia Goletti (Rome, Italy)

OA1446 **The effectiveness of programmatic management of latent tuberculosis infection in the Netherlands**
Connie G.M. Erkens (The Hague, Netherlands), Connie Erkens, Erika Slump, Maurits Verhagen, Henrieke Schimmel, Gerard De Vries, Susan Van den Hof

OA1447 **Tuberculin skin testing to the IGRA positive contacts of infectious tuberculosis cases for the treatment of latent tuberculosis infection**
Hee Jin Kim (Chungwongun, Republic of Korea), Hee Jin Kim, Soo Yeon Oh, Jin Beom Lee, Yeon Sook Seo, Mi Hyeun Kim, Mi Sun Park

OA1448 **Infectiousness of tuberculosis patients identified through spot sputum screening compared to patients identified through passive case finding-comparing sputum smear microscopy results**
Sidse Graff Jensen (Hellerup, Denmark), Sidse Graff Jensen, Nete Wrona Olsen, Niels Seersholm, Torgny Wilcke, Mathias Klok Pedersen, Troels Lillebæk, Axel Kok-Jensen

OA1449 **Can asylum seekers be traced!**
Amanda Middleton (Stoke-on-Trent, United Kingdom), Amanda Middleton, Jane Howie, Tracey Clarke, Martin Allen, Sven Lehm

OA1450 **Longitudinal clustering of tuberculosis incidence in Portugal from 2002 to 2012**
Pedro Sousa (Lousada, Portugal), Pedro Sousa, Alexandra Oliveira, Rita Gaio, Raquel Duarte

OA1451 **Restarting biologic agents in rheumatology patients who developed tuberculosis under TNF -inhibitor treatment**
Gül Öngen (Istanbul, Turkey), Yesim Ozguler, Gulen Hatemi, Serdal Ugurlu, Emire Seyahi, Melike Melikoglu, Sermin Borekci, Ersan Atahan, Hurrem Gul Ongen, Vedat Hamuryudan

OA1452 **Risk factors for active tuberculosis in patients with inflammatory bowel disease: A case-control study**
Miguel Arias Guillen (Oviedo (Asturias), Spain), Sabino Riestra, Ruth De Francisco, Miguel Arias-Guillén, Cristina Saro, María García-Alvarado, José María Duque, Fernando Muñoz, Lorena Blanco, Olegario Castaño, Isabel Pérez-Martínez, Pablo Martínez-Camblor, Dolores Pérez-Hernández

OA1453 **Effect of blood glucose level on the development of tuberculosis based on national health screening program**
Hee Jin Kim (Chungwongun, Republic of Korea), Hee Jin Kim, Eun-hi Cho, Eun Pyo Lee, Yoon Sung Park, Mi Hyeun Kim

Room 13.1 Session 159 14:45 - 16:45

Oral presentation: Genetics, genomics and exposures in asthma and COPD

Chairs : H. Marike Boezen (Groningen, Netherlands), Torben Sigsgaard (Aarhus, Denmark)

OA1454 **LATE-BREAKING ABSTRACT: X chromosome-wide association study revels a member of the IL1R's family associated with asthma**
Camila Figueiredo (Salvador, Brazil), Cintia Rodrigues Marques, Gustavo Nunes de Oliveira Costa, Thiago Magalhães da Silva, Pablo Oliveira, Álvaro Augusto Souza da Cruz Filho, Fernando Pires Hartwig, Bernardo Bernardo Horta, Esteban Burchard, Maria Pino-Yanes, Neuza Maria Alcantara-Neves1, Maurício Lima Barreto, Camila Alexandrina Figueiredo

OA1455	**An integrative genomics approach identifies new asthma pathways related to air pollution exposure** Anna Gref (Stockholm, Sweden), Anna Gref, Simon Kebede Merid, Olena Gruzieva, Stéphane Ballereau, Allan Becker, Tom Bellander, Anna Bergström, Yohan Bossé, Matteo Bottai, Moira Chan-Yeung, Elaine Fuertes, Despo Ierodakoniou, Ruiwei Jiang, Michael S. Kobor, Michal Korek, Anita L. Kozyrskyj, Ashish Kumar, Nathanael Lemonnier, Elaina MacIntyre, David Nickle, Ma'en Obeidat, Johann Pellet, Marie Standl, Annika Sääf, Cilla Söderhäll, Carla M.T. Tiesler, Maarten Van den Berge, Judith M. Vonk, Hita Vora, Cheng-Jian Xu, Josep M. Antó, Charles Auffray, Michael Brauer, Jean Bousquet, Bert Brunekreef, W. James Gauderman, Joachim Heinrich, Juha Kere, Gerard Koppelman, Dirkje Postma, Christopher Carlsten, Göran Pershagen, Erik Melén
OA1456	**Novel genes associated with the level of FEV_1 in never-smokers in the context of occupational exposure** Kim De Jong (Groningen, Netherlands), K. De Jong, J.M. Vonk, D.A. Van der Plaat, C.C. Van Diemen, H. Kromhout, R. Vermeulen, C.M. Van Duijn, D.S. Postma, H.M. Boezen
OA1457	**Interleukin 33 (IL33) polymorphisms associate with incident adult-onset asthma** Taina Lajunen (Oulu, Finland), Taina K. Lajunen, Jouni J.K. Jaakkola, Maritta S. Jaakkola
OA1458	**Contact dermatitis and respiratory symptoms in the construction industry: The role of filaggrin gene variants** Lidwien A.M. Smit (Utrecht, Netherlands), Johan Timmerman, Dick Heederik, Ton Spee, Frits Van Rooy, Esmeralda Krop, Gerard Koppelman, Thomas Rustemeyer, Lidwien Smit
OA1459	**Identification of novel genes related to airway obstruction in never-smokers** Diana van der Plaat (Groningen, Netherlands), D.A. Van der Plaat, K. De Jong, J.M. Vonk, C.C. Van Diemen, C.M. Van Duijn, L. Lahousse, G.G. Brusselle, D.S. Postma, H.M. Boezen
OA1460	**Dysregulation of serum miRNA in chronic obstructive pulmonary disease** Woo Jin Kim (Chuncheon, Republic of Korea), Woo Jin Kim, Seok-Ho Hong, Yoonki Hong, Sang Do Lee, Yeon-Mok Oh

Room 2.1 Session 160 14:45 - 16:45

Oral presentation: Phenotyping asthma with biomarkers

Chairs : Stylianos Loukides (Voula, Athens, Greece), Ildikó Horváth (Budapest, Hungary)

OA1461	**Characteristics of the frequent exacerbator in U-BIOPRED adult severe asthma cohort** Uruj Hoda (St Albans, United Kingdom), Uruj Hoda, Ana Sousa, Julie Corfield, Dominic Shaw, Stephen Fowler, Louise Fleming, Wolfgang Seibold, Per Bakke, Christophe Von Garnier, Ildikó Horváth, Norbert Krug, Barbro Dahlen, Jacek Musial, Pascal Chanez, Paolo Montuschi, Thomas Sandstrom, Peter Howarth, Elisabeth Bel, Aruna Bansal, Ioannis Pandis, Chih-Hsi Kuo, Ratko Djukanovic, Peter Sterk, Graham Roberts, Fan Chung, Fan Chung, U-BIOPRED Study Group
OA1462	**Lung microbiome is associated with asthma severity in fungal associated asthma** Livingstone Chishimba (Manchester, United Kingdom), Livingstone Chishimba, Robert Niven, Marcin Fraczek, Paul Bowyer, Lucy Smyth, Angela Simpson, David Denning
OA1463	**Breathomics can discriminate between anti IgE-treated and non-treated severe asthma adults** Paolo Montuschi (Rome, Italy), Giuseppe Santini, Stefano Di Carlo, Alfredo Benso, Nadia Mores, Paul Brinkman, Salvatore Valente, Paolo Montuschi, Francesco Macagno, Gianfranco Politano, Ariane H. Wagener, Aruna T. Bansal, Hugo H. Knobel, Anton J. Vink, Nicholas Rattray, Marco Santonico, Giorgio Pennazza, Yuanyue Wang, Ildiko Horvath, Ratko Djukanovic, Riccardo Polosa, Stephen J. Fowler, Pascal Chanez, Kian F. Chung, Peter J. Sterk, Paolo Montuschi, U-BIOPRED Study Group
OA1464	**IL-17A in severe asthma, severe asthma with fungal sensitisation and ABPA** Livingstone Chishimba (Manchester, United Kingdom), Livingstone Chishimba, Robert Niven, Marcin Fraczec, Angela Simpson, Paul Bowyer, David Denning
OA1465	**Serum transforming growth factor – 1 (TGF- 1) in asthmatics: Association between disease control, severity and duration** Aliae AR Mohamed-Hussein (Assiut, Egypt), Neveen Hassan, Aliae Mohamed-Hussein, Ebtssam Mohamed, Omnia Mohamed, Hanan Mohamed, Manal Tammam
OA1466	**Do volatile organic compounds (VOCs) discriminate between eosinophilic and neutrophilic asthma phenotype?** Florence Schleich (Liège, Belgium), Florence Schleich, Kirill Bessonov, Jan Dallinga, Virginie Paulus, Monique Henket, Agnes Boots, Agnieszka Smolinska, Emiel Wouters, Frederik-J. Van Schooten, Renaud Louis
OA1467	**Matrix metalloproteinase- 9 (MMP-9) and tissue inhibitor of metalloproteinase-1(TIMP-1) as non-invasive biomarkers of remodelling in asthma** Aliae AR Mohamed-Hussein (Assiut, Egypt), Neveen Hassan, Aliae Mohamed-Hussein, Ebtssam Mohamed, Omnia Mohamed, Hanan Mohamed, Manal Tammam
OA1468	**Can exhaled volatile organic compounds predict asthma exacerbations in children?** Edward Dompeling (Maastricht, Netherlands), Dillys Van Vliet, Agnieszka Smolinska, Marieke Van Horck, Quirijn Jöbsis, Philippe Rosias, Jean Muris, Jan Dallinga, Frederik-Jan Van Schooten, Edward Dompeling

Room 4.1 Session 161 14:45 - 16:45

Oral presentation: Understanding paediatric asthma and allergy: genetics and environment

Chairs : Franca Rusconi (Florence, Italy), Bülent Taner Karadag (Istanbul, Turkey)

OA1469	**Childhood asthma and hay fever are heritable, but specific high-risk genetic variants are not shared between diseases** Vilhelmina Ullemar (Stockholm, Sweden), Vilhelmina Ullemar, Patrik Magnusson, Cecilia Lundholm, Anna Zettergren, Erik Melén, Paul Lichtenstein, Catarina Almqvist
OA1470	**The influence of traffic-related air pollution (TRAP) on asthma and allergies modified by polymorphisms in GSTT1, GSTM1, GSTP1 and GSTCD** Gayan Bowatte (Reservoir, Australia), Gayan Bowatte, Caroline Lodge, Bircan Erbas, Adrian Lowe, Martine Dennekamp, Michael Abramson, Melanie Matheson, Shyamali Dharmage
OA1471	**Exposure to siblings in early life modifies the association between CD14 polymorphisms and allergic sensitization in adult life** Melisa Lau (Melbourne, Australia), Melisa Lau, Shyamali Dharmage, Aung Win, John Burgess, Adrian Lowe, Caroline Lodge, Jennifer Perret, Jennie Hui, Stephen Morrison, Paul Thomas, Graham Giles, Haydn Walters, Michael Abramson, Melanie Matheson
OA1472	**An ecological survey of time trends and associated risk factors for childhood asthma in Aberdeen 1964 – 2014** Stephen Turner (Aberdeen, United Kingdom), Steve Turner, Maxwell S. Barnish, Nara Tagiyeva, Graham Devereux, Lorna Aucott
OA1473	**Asthma phenotypes determined by a novel fluctuation based clustering method using a time window of lung function observations** Edgar Delgado-Eckert (Leeds, United Kingdom), Edgar Delgado-Eckert, Nitin Kumar, Oliver Fuchs, Juha Pekkanen, Jean-Charles Dalphin, Josef Riedler, Roger Lauener, Anne M. Karvonen, Jon Genuneit, Erika Von Mutius, Urs Frey, PASTURE Study Group
OA1474	**Sex-specific development of allergic rhinitis among farm children – A cohort study** Jon Genuneit (Ulm, Germany), Jon Genuneit
OA1475	**Protective factors against childhood asthma in rural China** Gary Wong (Shatin, Hong Kong), Katy Wong, Jing Li, Ting Fan Leung, N.S. Zhong, Gary Wong
OA1476	**Indoor moisture and mold and respiratory health: A cross-sectional study in Danish schoolchildren** Gitte Holst (Aarhus C, Denmark), G. Holst, A. Høst, G. Doekes, H.W. Meyer, A.M. Madsen, T. Sigsgaard

Room Emerald Session 162 14:45 - 16:45

Oral presentation: New findings in sleep-disordered breathing in children

Chairs : Refika Hamutcu Ersu (Istanbul, Turkey), Maria Pia Villa (Rome, Italy)

OA1477	**Comparison between adenotonsillectomy and adenoidectomy in the treatment of obstructive sleep apnea in children** Yakov Sivan (Tel Aviv, Israel), Keren Armoni Domany, Guy Gut, Elad Dana, Riva Tauman, Bat El Yakir, Yakov Sivan
OA1478	**Sleep clinical record in children with sleep disordered breathing** Melania Evangelisti (Civita Castellana, Italy), Melania Evangelisti, Jole Rabasco, Nicoletta Pietropaoli, Marilisa Montesano, Maria Pia Villa
OA1479	**Central apnoeas in children with obstructive sleep apnoea syndrome: Prevalence and effect of upper airway surgery** An Boudewyns (Edegem (Antwerp), Belgium), An Boudewyns, Stijn Verhulst
OA6000	**Sleep architecture in children with syndromic craniosynostosis** Bart Spruijt (Rotterdam, Netherlands), Bart Spruijt, Irene Mathijssen, Hansje Bredero, Linda Corel, Joseph Perumpillichira, Koen Joosten
OA1480	**3-D evaluation of the pharyngeal dimensions in OSA children, before and after adenotonsillectomy** Silke Weber (Botucatu, Brazil), André Bertoz, Antonio Carlos Marão, Jefferson Barros, Silke Anna Weber
OA1481	**The role of nocturnal pulse oximetry in the screening for obstructive sleep apnea in obese children and adolescents** Annelies Van Eyck (Wilrijk, Belgium), Annelies Van Eyck, Liesbeth Vanheeswijck, Chinouk Lambrechts, Kim Van Hoorenbeeck, An Boudewyns, Benedicte De Winter, Luc Van Gaal, Wilfried De Backer, Stijn Verhulst
OA1482	**Unattended sleep studies in children: Is it worth?** Silke Weber (Botucatu, Brazil), Silke Anna Weber, Jefferson Barros, Antonio Carlos Marão, Iury Lima, André Bertoz, Silke Weber
	Concluding talk: Sleep disordered breathing in children: What's next? Refika Hamutcu Ersu (Istanbul, Turkey)

Room E104-106 Session 163 14:45 - 16:45

Poster discussion: New data on established treatments for COPD

Chairs : Adam Barczyk (Katowice, Poland), Lena Uller (Lund, Sweden)

PA1483 **Effect of fluticasone furoate (FF)/vilanterol (VI) compared with VI on acute exacerbations of COPD (AECOPD): A post-hoc analysis by baseline airflow obstruction**
David Leather (Crewe, United Kingdom), David Leather, Louisa Yates, Amy Newlands

PA1484 **Systemic inhibition of p38 MAPK improves lung function and inflammatory markers in moderate-severe COPD**
Nicholas Clarke (Cambridge, United States of America), Spencer Danto, Grant Langdon, Negin Shojaee, Jared Christensen, Nick Clarke, Lisa Tan, Christelle Perros-Huguet

PA1485 **Assessment of A_1-PI dose-exposure and exposure-response relationships in patients with Alpha-1 antitrypsin inhibitor deficiency**
Michael Tortorici (King of Prussia, United States of America), Michael A. Tortorici, Zhenling Yao, James A. Rogers, Oliver Vit, Martin Bexon, Robert Sandhaus, Jonathan Burdon, Eeva Piitulainen, Niels Seersholm, James Stocks, N. Gerard McElvaney, Kenneth R. Chapman, Jonathan Edelman

PA1486 **Population pharmacokinetics of A_1-PI in patients with Alpha-1 antitrypsin deficiency**
Michael Tortorici (King of Prussia, United States of America), Michael A. Tortorici, Oliver Vit, Martin Bexon, Robert Sandhaus, Jonathan Burdon, Eeva Piitulainen, Niels Seersholm, James Stocks, N. Gerard McElvaney, Kenneth R. Chapman, Jonathan Edelman

PA1487 **Clinically important deteriorations in COPD as a measure of response to dual and mono bronchodilator therapy with and without inhaled corticosteroids**
Dave Singh (Manchester, United Kingdom), Dave Singh, M. Reza Maleki-Yazdi, Lee Tombs, Ian Naya, Ahmar Iqbal

PA1488 **QVA149 provides significant symptomatic benefit to COPD patients as measured by a new symptom e-diary: The SHINE study**
Hanns-Christian Tillmann (Basel, Switzerland), Hanns-Christian Tillmann, Ieuan Jones, Robert Fogel, Donald Banerji

PA1489 **Corticosteroids improve lung function and quality of life in subjects with biomass fuel (BMF) smoke exposures induced COPD**
Kuldeep Mandani (Pune, Maharashtra, India), Kuldeep Mandani, Kanchan Pyasi, Vandana Vincent, Jyoti Londhe, Sapna Madas, Bill Brashier, Sundeep Salvi, Peter Barnes

PA1490 **Triple therapy of umeclidinium and inhaled corticosteroid/long-acting ^{2} $_2$-agonist (ICS/LABA) vs placebo + ICS/LABA in GOLD D patients**
Edward Kerwin (Medford, United States of America), Edward Kerwin, Thomas Siler, Lee Tombs, Ana R. Sousa, Karen Singletary, Alison Church

PA1491 **Implications of under treatment of stable COPD (SAVING study)**
Antonio Corrado (Firenze, Italy), Antonio Corrado, Andrea Rossi, On Behalf of SAVING/AIPO Study Group

PA1492 **Safety of tiotropium and olodaterol fixed-dose combination for COPD in patients on -blockers**
Lorcan McGarvey (Belfast, United Kingdom), Lorcan McGarvey, Roland Buhl, Lawrence Korducki, Valeria C. Amatto, Kay Tetzlaff, Leif Bjermer

PA1493 **Effect of umeclidinium/vilanterol (UMEC/VI) on inspiratory capacity/total lung capacity ratio in hyperinflated COPD patients**
Sally J. Singh (Leicester, United Kingdom), Sally Singh, Francois Maltais, Lee Tombs, Alison Church, Ahmar Iqbal, John H. Riley

PA1494 **Carvedilol, bisoprolol, and metoprolol use in patients with coexistent heart failure and chronic obstructive pulmonary disease: A nationwide population-based study**
Vincent Yi-Fong Su (Taipei, Taiwan), Vincent Yi-Fong Su

PA1495 **Efficacy and safety of erdosteine in COPD: Results of a 12-month prospective, multinational study**
Roberto Walter Dal Negro (Verona, Italy), Roberto W. Dal Negro, Martin Iversen, Peter M.A. Calverly

PA1496 **Onset of action of aclidinium (ACL), glycopyrronium (GLY) and tiotropium (TIO): A comparison in COPD patients**
Paola Rogliani (Rome, Italy), Paola Rogliani, Roberto Lipsi, Josuel Ora, Gabriella Lucà, Luigino Calzetta, Mario Cazzola

PA1497 **Anticholinergic treatment does not affect toll-like receptor 3-induced antiviral immune response in COPD bronchial epithelial cells**
Seil Sagar (Lund, Sweden), Seil Sagar, Mandy Menzel, Leif Bjermer, Lena Uller

PA1498 **Investigator-reported vs adjudicated cause of death in the TIOSPIR™ trial**
Robert Wise (Baltimore, United States of America), Robert Wise, Peter Kowey, George Austen, Andy Lawton, Achim Mueller, Norbert Metzdorf, Andy Fowler, Lorcan McGarvey

PA1499	**Efficacy and safety of aclidinium/formoterol fixed-dose combination in patients with moderate to severe airflow obstruction, stratified by severity** Anthony D. D'Urzo (Toronto, Canada), Anthony D. D'Urzo, Dave Singh, Edward Kerwin, Hassan Lakkis, Ferran Chuecos, Gonzalo De Miquel
PA1500	**Effect of exacerbation history and ICS use on outcomes in COPD patients from the TIOSPIR™ trial** Peter M.A. Calverley (Liverpool, United Kingdom), Peter Calverley, Kay Tetzlaff, Achim Mueller, Norbert Metzdorf, Bernd Disse, Ronald Dahl

Room G102-103 Session 164 14:45 - 16:45

Poster discussion: Challenges in surgery for non-malignant disorders: pleural mediastinal and tracheal problems, congenital disorders

Chairs : Marcello Migliore (Catania, Italy), Michel Gonzalez (Lausanne, Switzerland)

PA1501	**LATE-BREAKING ABSTRACT: Surgical referral and complication rates in the ambulatory management of primary spontaneous pneumothorax: A retrospective analysis** Jiyoon Yoon (London, United Kingdom), Jiyoon Yoon, Parthipan Sivakumar, Kevin O'Kane, Liju Ahmed
PA1502	**LATE-BREAKING ABSTRACT: Early mobilization optimizing fluid of mediastinal and thoracic tube in the postoperative patients after coronary artery bypass surgery** Emilia Nozawa (São Paulo, Brazil), Emilia Nozawa, Vera Regina Moraes Coimbra, Fernanda Carolina Silva G. Cruz, Sara Herculano Souza Silva, Paula Fernanda B.D. França, Filomena Regina Gomes Galas, Ludmilla Abhão Hajjar, Maria Ignêz Zanetti Feltrim
PA1503	**Opportunity of videothoracoscopy in diagnostics and treatment of exudative pleurisy** Dmitriy Pilkevich (Yekaterinburg, Russian Federation), Dmitriy Pilkevich, Sergey Skornyakov, Marina Lehlyayder, Aleksey Medyakov, Nikita Gorbunov, Dinar Gatautov
PA1504	**Early surgical video thoracoscopy in complicated parapneumonic effusion. Retrospective study of 75 cases** Herve Le Floch (Clamart, France), Hervé Le Floch, Inès Ngampolo, Frédéric Rivière, Wanda Gaspard, France Charton, Alla Avramenko, Sonia Aguir, Bertrand Grand, Guillaume Boddaert, Marc-Antoine Sanchez, Jacques Margery
PA1505	**Late functional effects of lung decortication for stage III pleural empyema** Dragan R. Subotic (Beograd, Republic of Serbia), Dragan Subotic, Nikola Atanasijadis, Dejan Moskovljevic, Milan Savic, Zeljko Garabinovic, Vladimir Milenkovic
PA1506	**Molecular analysis with nucleic acid-based assays increase pathogen detection of pleural empyema** Katarzyna Furrer (Basel, Switzerland), Katarzyna Furrer, Daniel Goldenberger, Reno Frei, Mark Wiese, Maja Weisser, Melanie Toffel, Didier Lardinois
PA1507	**Avoidance of surgery in secondary pneumothorax using digital suction device** Poulomi Chatterjee (Gurgaon, India), Poulomi Chatterjee, Shaiwal Khandelwal, A.Z. Khan, Pinky Goyal, Bornali Datta
PA1508	**Rib fractures: Could we accelerate the healing?** Mustafa Calik (Konya, Turkey), Mustafa Calik, Saniye Goknil Calik, Olgun Kadir Aribas, Abdulkerim Kasim Baltaci
PA1509	**Tracheostomy, is it really innocent?** Mustafa Calik (Konya, Turkey), Mustafa Calik, Saniye Goknil Calik, Mustafa Cihat Avunduk, Olgun Kadir Aribas
PA1510	**Surgery of laryngo-tracheal, multifocal and extensive cicatricial stenosis of trachea** Otabek Eshonkhodjaev (Tashkent, Uzbekistan), Shukhrat Khudaybergenov, Otabek Eshonkhodjaev, Georgy Pakhomov, Ortikali Irisov, Rustem Hayaliev, Nasretdin Tursunov, Doniyor Abdullaev, Aziz Khasanov
PA1511	**The intoduction of a specialised care pathway for patient undergoing pectus surgery** Theofano Tikka (Birmingham, United Kingdom), Theofano Tikka, Joanne Webb, Richard Steyn, Ehab Bishay, Maninder Kalkat, Pala Rajesh, Babu Naidu
PA1512	**One-institution initial experience with Nuss procedure on eleven patients** Marko Kostic (Belgrade, Republic of Serbia), Marko Kostic, Branislav Jovanovic, Nikola Atanasijadis, Marko Popovic, Dragana Asujic
PA1513	**Value of different diagnostic procedures in the assessment of the pectus excavatum morphology** Marko Kostic (Belgrade, Republic of Serbia), Marko Kostic, Ida Jovanovic, Branislav Jovanovic, Radivoj Brdar, Polina Pavicevic
PA1514	**The effect of costal cartilage resection on the chest wall development: Pathological evaluation** Mustafa Calik (Konya, Turkey), Mustafa Calik, Saniye Goknil Calik, Mustafa Cihat Avunduk, Olgun Kadir Aribas

PA1515 **Single institutional experience with mediastinal mature cystic teratoma: An analysis of 17 cases**
Osman Haciömeroglu (Istanbul, Turkey), Gulbanu Horzum Ekinci, Osman Haciomeroglu, Levent Alpay, Ayse Ersev, Cuneyt Salturk, Cagatay Tezel, Irfan Yalcinkaya, Adnan Yilmaz

PA1516 **Diagnostic algorithm for teratodermoidal tumors of mediastinum**
Rustem Hayaliev (Tashkent, Uzbekistan), Georgy Pakhomov, Rustem Hayaliev, Otabek Eshonhodjaev, Abror Makhmudov, Aziz Mustafaev

PA1517 **Prognostic value of semiquantitative serum Procalcitonine vs APACHE or SOFA scores in patients with descending necrotizing mediastinitis**
Francina BolaÑos-Morales (Mexico, Mexico), Francina Bolaños-Morales, Emmanule Peña, Enrique Guzmán-DeAlba, Patricio Santillán-Doherty, Avelina Sotres-Vega, J. Alfredo Santibáñez-Salgado, Jaime Villalba-Caloca

PA1518 **Safety and advantages of VATS biopsy in diagnosis of interstitial lung disease**
Luca Bertolaccini (Negrar Verona, Italy), Luca Bertolaccini, Simona Paiano, Carlo Pomari, Luca Rosario Assante, Andrea Viti, Alberto Terzi

Room G104-105 Session 165 14:45 - 16:45

Poster discussion: WHO guidelines in TB and clinical practice

Chairs : Keertan Dheda (Cape Town, South Africa), Masoud Dara (Copenhagen, Denmark)

PA1519 **WHO framework on engagement of all health care providers in management of drug-resistant tuberculosis**
Nhat Linh Nguyen (Geneva, Switzerland), Linh Nguyen, Ernesto Jaramillo, Mukund Uplekar, Fraser Wares

PA1520 **Who is responsible for MDR- TB?**
amitabh das shukla (Allahabad, India), Amitabh Das Shukla, Tariq Mahmood, Alok Chandra, Neha Agrawal

PA1521 **Treatment outcomes of new TB cases among children in Russia**
Vadim Testov (Fryazino, Moscow Region, Russian Federation), Sergey Sterlikov, Vadim Testov, Valentina Aksenova

PA1522 **Knowledge about tuberculosis among doctors in primary health care institution in Montenegro**
Bozidarka Rakocevic (Podgorica, Republic of Montenegro), Bozidarka Rakocevic, Sanja Medenica, Olivera Bojovic, Boban Mugosa, Mirjana Nedovic Vukovic, Anita Grgurevic

PA1523 **Active case finding of tuberculosis, Tomsk (Russia)**
Nina Poliakova (Tomsk, Russian Federation), Nina Poliakova, Askar Yedilbayev, Alexander Barnashov, Nataliya Zemlyanaya

PA1524 **The analysis of factors associated with misdiagnosis pneumonia in TB hospital**
Zhanna Laushkina (Novosibirsk, Russian Federation), Zhanna Laushkina

PA1525 **Influence of early diagnostics with Xpert MTB/RIF on MDR TB patients treatment efficacy**
Irina Vasilyeva Anatolievna (Moscow, Russian Federation), Irina Vasilyeva, Anastasia Samoilova, Marina Burakova, Tatev Bagdasaryan, Elena Larionova, Larisa Chernousova

PA1526 **Gene-Xpert for rapid detection of MDR-TB in re-treatment cases;a comparison with standard culture and DST**
Shahid Pervaiz (Multan, Pakistan), Shahid Pervaiz, Muhammad Wajaht Tariq, Humayoun Ghulam Murtaza, Muhammad Zubair Shaheen

PA1527 **Clinical utility of the Xpert MTB/RIF test in induced sputum**
Tow Keang Lim (Singapore, Singapore), T.K. Lim, J.S.K. Ng, M.Y. Chew

PA1528 **Comparison of GeneXpert MTB/RIF assay in broncho alveolar lavage and gastric lavage samples**
Ravi Mahat (Kathmandu, Nepal), Ravi Mahat, Madiha Tawfik, Ashok Kumar, Nadeem Rizvi

PA1529 **Frequency of rifampicin resistance in re-treatment cases of pulmonary tuberculosis using Gene-Xpert in a tertiary care hospital tuberculosis clinic**
Shahid Pervaiz (Multan, Pakistan), Shahid Pervaiz, Humayoun Ghulam Murtaza, Muhammad Imran Shahzad, Muhammad Zubair Shaheen

PA1530 **The utility of Xpert MTB/RIF performed on bronchial lavages obtained from patients with suspected pulmonary tuberculosis**
Coenraad Frederik Nicolaas Koegelenberg (Cape Town, South Africa), Coenraad Koegelenberg, Dewald Barnard, Johannes Bruwer, Dante Plekker, Andrew Whitelaw, Jacobus Deetlefs, Elvis Irusen

PA1531 **Diagnostic yield of AFB smear, culture, LiPA, GeneXpert: A clinician's perspective**
Bhumika Madhav (Navi Mumbai, India), T.K. Jayalakshmi, Aparna Iyer, Bhumika Madhav

PA1532 **Determining the role of Xpert® MTB/RIF in diagnosing tuberculosis in postmortem tissues**
Alberto Garcia-Basteiro (Maputo, Mozambique), Alberto García-Basteiro, Mamudo Ismail, Carla Carrilho, Esperança Ussene, Paola Castillo, Dercio Chitsungo, Lucilia Lovene, Cesaltina Lorenzoni, Cristina Rodríguez, Jordi Vila, Jaume Ordi, Clara Mendendez, Quique Bassat, Miguel Martínez

PA1533 **Comparative study of gene Xpert MTB/RIF, smear microscopy and TB MGIT culture in diagnosis of tuberculosis in India**
Kapil Salgia (Mumbai, India), Sunil Narute, Kapil Salgia, Pratibha Singhal, Vipul Kalley

PA1534 **Comparison of diagnostic utility of pleural fluid ADA and interferon-gamma release assay (IGRA) in differentiating tubercular and non-tubercular exudative pleural effusion**
Varuna Jethani (Dehradun, India), Varuna Jethani, Girish Sindhwani, Aarti Raghuvanshi, Vinit Mehrotra, Rakhee Khanduri

PA1535 **Cross-border management of tuberculosis cases through an updated ERS/WHO TB consilium**
Pierpaolo de Colombani (Copenhagen, Denmark), Pierpaolo De Colombani, Stephane Dupasquier, Giovanni Battista Migliori, Masoud Dara

PA1536 **Joint WHO/ERS initiative on e-/m-Health for TB and tobacco control**
Denis Falzon (Geneva, Switzerland), Dennis Falzon, Mario Raviglione, Douglas Bettcher, Dongbo Fu, Giovannibattista Migliori, Christina Gratziou, Elisabeth H. Bel

Room G106-107 Session 166 14:45 - 16:45

Poster discussion: Unravelling the mechanisms of symptoms and exercise limitationas in disease

Chairs : Luis Puente Maestu (MADRID, Spain), Dennis Jensen (Montreal, Canada)

PA1537 **Predicting poor outcome in COPD-heart failure overlap: The role of resting echocardiography and cardiopulmonary exercise testing**
Jose Alberto Neder Serafini (Kingston, Canada), Maria Clara Alencar, Flavio Arbex, Fred Mancuso, Mayron Oliveira, Luiz Medina, Adriana Mazzuco, Audrey Borghi-Silva, Daniel M. Hirai, Denis O'Donnell, J. Alberto Neder

PA1538 **Hyperinflation and its effects on upper and lower extremities exercise in patients with COPD and controls. A longitudinal study**
Victor Pinto-Plata (Boston, United States of America), Victor Pinto-Plata, Felipe Cortopassi, Miguel Divo, Bartolome Celli

PA1539 **Reference equations for incremental shuttle walk test in Spanish population**
Ane Arbillaga Etxarri (Barcelona, Spain), Elena Gimeno-Santos, Ane Arbillaga-Etxarri, Jordi Vilaró, Ana Balañá, Silvia Córdoba, Juan Carlos Fernández, Beatriz Herrero, Mayte Linares, Eva María Madrid, Patricia Madrid, Daniel Martí, José Méndez, Marian Ramon, Ketty Ruiz, Sonia Souto, Beatriz Valeiro, Marie Carmen Valenza, ángeles Vega-Martinez, Montserrat Vendrell, Judith Garcia-Aymerich

PA1540 **Effect of ventilatory inefficiency over exercise capacity in COPD patients with hyperinflation**
Ivan Caviedes Soto (Lo Barnechea, Chile), Iván Caviedes, Rodrigo Soto

PA1541 **Metronome-paced hyperventilation, CT measurements and exercise to investigate dynamic hyperinflation contrasting tiotropium versus indacaterol treatment in moderate COPD patients**
Danilo Cortozi Berton (Porto Alegre, Brazil), Danilo C. Berton, álvaro Santos, Bruno Hochhegger, Ivo Bohn Jr, Rodrigo Lima, Vanderleia Breda, Paulo Teixeira

PA1542 **Comparison of pulmonary function and diffusion capacity between asthmatic athletes, healthy athletes and non-athlete controls**
Julie Stang (Oslo, Norway), Julie Stang, Kai-Håkon Carlsen, Trine Stensrud

PA1543 **Reference equations for 6-minute walk test in Spanish population**
Ane Arbillaga Etxarri (Barcelona, Spain), Elena Gimeno-Santos, Ane Arbillaga-Etxarri, Jordi Vilaró, Ana Balañá, Anael Barberán-Garcia, Tamara Del Corral-Núñez, Juan Carlos Fernández, Begoña Jiménez, Asenet López, Daniel López, Gerard Muñoz-Castro, Marian Ramon, Antonio Ríos, Ketty Ruiz, Marta San Miguel, Natalia Sánchez-Cayado, Marie Carmen Valenza, Ana Varas, Carlos Zárate, Judith Garcia-Aymerich

PA1544 **The effect of inhaled glucocorticoid on the content of Na^+/K^+-pumps in human skeletal muscles**
Søren Jessen (Copenhagen, Denmark), Søren Jessen, Morten Hostrup, Johan Onslev, Torben Clausen, Celeste Porsbjerg

PA1546 **Correlation of a decline in aerobic capacity with development of emphysema in patients with COPD**
Sadatomo Tasaka (Tokyo, Japan), Sadatomo Tasaka, Wakako Yamasawa, Tomoko Betsuyaku, Kazuhiro Yamaguchi

PA1547 **Cerebral oxygen availability limits exercise performance of lowlanders with chronic obstructive pulmonary disease (COPD) travelling to 2590m**
Michael Furian (Effretikon, Switzerland), Michael Furian, Sara E. Hartmann, Tsogyal D. Latshang, Deborah Flueck, Philipp M. Scheiwiller, Séverine Mueller-Mottet, Silvia Ulrich, Malcolm Kohler, Marc J. Poulin, Konrad E. Bloch

PA1548	**Exercise induced bronchoconstriction is associated with eosinophilic bronchitis in non-asthmatic elite marathon runners** Celso Carvalho (Sao Paulo, Brazil), Renata Nakata Teixeira, Rosana Camara Agondi, Milton de Arruda Martins, Celso R.F. Carvalho
PA1549	**Emphysema and the physiological response to incremental exercise in COPD** Benjamin Smith (New York, United States of America), Benjamin Smith, Dennis Jensen, Marc Brosseau, Harvey Coxson, Jean Bourbeau
PA1550	**Relationship between exercise-related ventilatory variability and dyspnoea in patients with chronic obstructive pulmonary disease: A pilot study** Bruno-Pierre Dube (Montreal, Canada), Bruno-Pierre Dubé, Marie-Cécile Niérat, Agnès Bellocq, Christian Straus, Thomas Similowski, Pierantonio Lavaneziana
PA1551	**Biking or climbing in COPD patients: The stair test** Virginie Jacquemin (Montreal, Canada), Virginie Jacquemin, Andrée-Anne Parent, Alain-Steve Comtois, Marilyn Houle Peloquin, Claude Poirier
PA1552	**Mid-thigh cross-sectional area and lower limb muscle function in patients with lung cancer** Valerie Coats (Quebec, Canada), Valerie Coats, Fernanda Ribeiro, Lise Tremblay, Brigitte Fortin, François Maltais, Didier Saey
PA1553	**Tight coupling between inspiration and expiration after the respiratory compensation point** Joost Gerard van den Aardweg (Heemstede, Netherlands), Joost G. Van den Aardweg, Nieskje De Groot

Room 13.2 Session 167 14:45 - 16:45

Poster discussion: Novelties in noninvasive ventilation

Chairs : Ezgi Özyilmaz (Istanbul, Turkey), Lara Pisani (Bologna, Italy)

PA1554	**Does continuous emailed feedback and use of stickers improve initiation of non-invasive ventilation in acute type II respiratory failure?** Justina Ruksenaite (Leicester, United Kingdom), Justina Ruksenaite, Tim Maheswaran, Paul Andrzejowski, Syed-Fayyaz Hussain
PA1555	**The use of non-invasive ventilation during fiberoptic bronchoscopy in patients with high risk of orotracheal intubation** Maria Laura Vega (Buenos Aires, Argentina), Maria Laura Vega, Sergio Di Yelsi, Juan Manuel Osses, Rosalia Ahumada, Morozovsky Veronica
PA1556	**Is there relationship between the parameters of built-in software of home ventilators and efficacy of the domiciliary non invasive ventilation?** Raul Hidalgo Carvajal (Toledo, Spain), Raul Hidalgo Carvajal, Marcelino Sanchez Casado, Encarna Lopez-Gabaldon, Jose Ignacio Garcia del Palacio
PA1557	**Lack of evidence for mechanical in- and exsufflation – How do we proceed?** Ann-Britt Zakrisson (Orebro, Sweden), Ann-Britt Zakrisson, Ylva Nilsagård, Lars Berggren, Margareta Kånåhols, Mia Svantesson-Sandberg, Pernilla östlund
PA1558	**Hemodynamic effects of continuous positive airway pressure as assessed by doppler echocardiography** Gabrielle Vinhal (Uberlândia, Brazil), Gabrielle Vinhal, Thulio Cunha, Livia Silva, Lucio Araújo, Daniel Melo, Celia Lopes
PA1559	**Effects of noninvasive ventilation on heart rate variability after coronary bypass grafting** Gabrielle Vinhal (Uberlândia, Brazil), Gabrielle Vinhal, Katrinne Naves, Valdeci Dionisio, Celia Lopes
PA1560	**The effect of continuous positive airway pressure titration on blood pressure in obese subjects** Culadeeban Ratneswaran (London, United Kingdom), Culadeeban Ratneswaran, Martino Pengo, Sichang Xiao, Johan Bastianpillai, Yuanming Luo, Teck Khong, Joerg Steier
PA1561	**Nasal Highflow (NHF) – Quantitation of CO2 wash-out in a lung model** Jens Bräunlich (Leipzig, Germany), Jens Bräunlich, Hubert Wirtz
PA1562	**Retrospective chart review of impact on intubation rate and safety of high-flow nasal cannula therapy on a general pediatric ward** Lieke van Imhoff (Utrecht, Netherlands), Lieke Van Imhoff, Elke Baars, Marije Hennus, Judit Wesseling, Walter Balemans
PA1563	**Ventilatory management in COPD-associated obstructive sleep apnea syndrome** Marie Netchitaïlo (Rouen, France), Marie Netchitaïlo, Franck Lavergne, Anne-Sophie Bravard, Catherine Tardif, Jean-François Muir, Antoine Cuvelier

PA1564	**Adherence to long term non-invasive ventilation in children** Elaine Chan (London, United Kingdom), Aidan Laverty, Joseph Gannon, Victoria Robinson, Martin Samuels, Francois Abel, Elaine Chan
PA1565	**Indirect comparison between two non-invasive weaning strategies in intubated patients with COPD** PeiJun Li (ChengDu, China), PeiJun Li, Ting Wang, ZongAn Liang, FaMing Jiang, Jian Luo, ChaoLi Shi
PA1566	**The outcome and predictors of mortality in patients transitioned to invasive mechanical ventilation after non-invasive ventilation failure** Andrea Vianello (Mestre, Italy), Andrea Vianello, Emanuela Pipione, Giovanna Arcaro, Sara Zanette, Maddalena Chizzolini, Silvia Iovino, Laura Battistella, Alberto Pavan
PA1567	**Management of upper airway obstruction by non-invasive CPAP in neonates with Pierre Robin sequence** Alessandro Amaddeo (Trieste, Italy), Alessandro Amaddeo, Veronique Abadie, Veronique Soupre, Christel Chalouhi, Marta Fernandez Bolanos, Sebastien Pierrot, Annick Frapin, Alexandre Lapillone, Adriana Ramirez, Arnaud Picard, Brigitte Fauroux
PA1568	**Effect of non-invasive mechanical ventilation on exacerbations in patients with stable COPD: A 4 year cohort study with one year follow-up** David Manuel Araújo (Porto, Portugal), David Araújo, Margarida Redondo, Maria Sucena, Tiago Pinto, Miguel Gonçalves, Marta Drummond
PA1569	**Long-term non-invasive ventilation in stable COPD patients reduces the rate of hospitalizations for exacerbation** Ahmed Boubaya (Nancy, France), Ahmed Boubaya, Kosar Hosseini, Maeva Zysman, Sylvie Chery, Magalie Mercy, Emmanuel Gomez, Anne Guillaumot, Ayman Kheir, Christos Chouaid, Ari Chaouat, François Chabot
PA1570	**Obesity hypoventilation syndrome: Predictors of compliance with noninvasive positive pressure ventilation** Irina Umarova (Saint Petersburg, Russian Federation), Irina Umarova, Olga Balionis, Alexander Gorelov
PA1571	**Longterm mechanical ventilation in ALS – Outcome and perspective. A 12 year national register study of non-invasive and invasive ventilation in Norway** Solfrid Indrekvam (Bergen, Norway), Solfrid Indrekvam, Ove Fondenes, Miriam Gjerdevik, Ole-Bjørn Tysnes, Tiina Rekand, Per Bakke

Room E102 Session 168 14:45 - 16:45

Poster discussion: Lung function: waiting to exhale...

Chairs : Felip Burgos (Barcelona, Spain), Waldemar Tomalak (Rabka-Zdroj, Poland)

PA1572	**Bronchodilator response in healthy never smokers from the SAPALDIA study** Pierre-Olivier Bridevaux (Geneva, Switzerland), Pierre-Olivier Bridevaux, Brice Touilloux, Elise Dupuis Lozeron, Christian Schindler, Thierry Rochat, Nicole Probst-Hensch
PA1573	**Five FEV1 adjustment methods for grading airway obstruction severity in USA Caucasian patients** Olinto Linares (Murray, United States of America), Olinto Linares Perdomo, Matthew Hegewald, Dave Collingridge, Robert L. Jensen, John Hankinson, Alan Morris
PA1574	**The effect of adopting new GLI-2012 spirometric reference values on airflow limitation GOLD classification** Giuseppe Liistro (Bruxelles, Belgium), Giuseppe Liistro, Eric Marchand, Eric Derom
PA1575	**Is the FRC/TLC ratio a valid measure in children with obstructive lung disease?** Paul Burns (Glasgow, United Kingdom), Paul D. Burns, Karl P. Sylvester
PA1576	**FRC%TLC and RV%TLC to assess effects of lung disease: Comparison to FEV_1%FVC** Adrian Hugh Kendrick (Bristol, United Kingdom), Adrian Kendrick
PA1577	**Accuracy of spirometers used in primary care** Matthew Hegewald (Murray, United States of America), Matthew Hegewald, Heather Gallo, Olinto Linares, Robert Jensen, Alan Morris
PA1578	**Long-term stability of a portable DLCO instrument** Laura Gochicoa-Rangel (Texcoco, Mexico), Laura Gochicoa-Rangel, Rogelio Pérez-Padilla, Luis Torre-Bouscoulet, Juan Carlos Vázquez-García, Mónica Silva-Cerón, Christian Buess, Robert Jensen, Paul Enright
PA1579	**Statistical analysis of physiological quality assurance (QA) data** Charlotte Earle (Swansea, United Kingdom), Charlotte Earle, Adrian Kendrick

PA1580	**Assessment of small airways dysfunction with impulse oscillometry, multiple flow nitric oxide and spirometry in the Wessex severe asthma cohort study** Kerry Gove (Southampton, United Kingdom), Kerry Gove, Tom Brown, Hitasha Rupani, Clair Barber, Ramesh Kurukulaaratchy, Anoop Chauhan, Peter Howarth
PA1581	**Selecting a multiple-breath N2 washout device: The search continues** Silvia Cornelussen (Maastricht, Netherlands), Kirsten Clermons, Silvia Cornelussen, Lilianne Martin, Paul Bongaerts, Chris Van der Grinten
PA1582	**Effects of using a mask vs mouthpiece on the multiple breath inert gas washout technique** Sooky Lum (London, United Kingdom), Sooky Lum, Janet Stocks, Wanda Kozlowska, Paul Aurora
PA1583	**Development of the 'BreathEasy' contactless portable respiratory rate monitor (CPRM)** Will Daw (Sheffield, United Kingdom), Will Daw, Ruth Kingshott, Alison Scott, Reza Saatchi, Heather Elphick
PA1584	**Multi-dimensional modelling of dynamic flows in central airways for normal breathing** Minsuok Kim (Kidlington, United Kingdom), Minsuok Kim, Yongmann Chung
PA1585	**Capacity of using DPIs during COPD exacerbations** Andriana Papaioannou (Vrilissia, Athens, Greece), Andriana Papaioannou, Yiolanda Herodotou, Ioannis Tomos, Giorgos Skylas, Vasileios Seferlis, Effrosyni Manali, Stelios Loukides, Spyros Papiris
PA1586	**Inhalation manoeuvre performed by Parkinson's patients during an off period** Marianne Luinstra (Groningen, Netherlands), Marianne Luinstra, Wijnand Rutgers, Hilda Dijkstra, Floris Grasmeijer, Paul Hagedoorn, Jolanda Vogelzang, Henderik Frijlink, Anne De Boer
PA1587	**In-vitro emitted dose characteristics of combination budesonide / formoterol tubuhaler using patient inhalation profiles** Golshan Bagherisadeghi (Huddersfield, United Kingdom), Golshan Bagherisadeghi, Hassane El Larhrib, Henry Chrystyn

Room D201-202 Session 169 14:45 - 16:45

Poster discussion: Patient health gains related to the economic effectiveness of disease management programmes

Chairs : Otto Chris Burghuber (Vienna, Austria), Ivan Solovic (Vysne Hagy, Slovakia)

PA1588	**An economic evaluation of a self-management programme for patients with COPD** Melina Dritsaki (Coventry, United Kingdom), Melina Dritsaki, Vicki Johnson-Warrington, Sally Singh, Katy Mitchell, Karen Rees
PA1589	**Economic effectiveness of integrated care model (ICM) for patients with severe chronic obstructive pulmonary disease (COPD)** Ewa Bandurska (Gdansk, Poland), Ewa Bandurska, Iwona Damps-Konstanska, Piotr Popowski, Taduesz Jedrzejczyk, Piotr Janowiak, Katarzyna Swietnicka, Ewa Jassem
PA1590	**Predictive value of annual costs on 3-year mortality in COPD** Roberto Walter Dal Negro (Verona, Italy), Roberto W. Dal Negro, Luca Bonadiman, Paola Turco
PA1591	**Unit costs of Inhaled medicine for asthma and COPD compared to health care expenditure in the second health care sector in Denmark** Jens Dollerup (Brøndby, Denmark), Jens Dollerup, Louise Herbild, Ejvind Frausing Hansen
PA1592	**Clinical characteristics and health burden of patients with chronic obstructive pulmonary disease exacerbation** Ismail Hanta (Adana, Turkey), Ismail Hanta, Efraim Güzel, Oya Baydar, Sedat Kuleci, Gulsah Seydaoglu
PA1593	**Asthma-related healthcare utilization and costs by blood eosinophil levels among adults with persistent asthma** Trung Tran (Gaithersburg, United States of America), Trung Tran, Jianbin Mao, Jeffrey McPheeters, Duane Cobenais, Sarowar Golam, Xiao Xu, Rachel Halpern
PA1594	**A cross-sectional survey of Maltese patients' preferences for receiving a cancer diagnosis** Joelle Agius (Naxxar, Malta), Joelle Agius (Azzopardi), Ray Zammit
PA1595	**Hospitalization costs of lung cancer diagnosis in Turkey: Is there a difference between histological types and stages?** Can Öztürk (Ankara, Turkey), Murat Turk, Fatma Yildirim, Ahmet Selim Yurdakul, Can Ozturk
PA1596	**Boyd OODA loop and Wilcoxon rank sum test in diagnostic procedures after major disasters with lung involvement** Dusan Ivkovic (Nis, Republic of Serbia), Dusan Ivkovic, Stevan Ivkovic, Tamara Milosavljevic, Aleksandar Ivkovic

PA1597 **Direct costs of treating community-acquired pneumonia do not necessarily correlate with clinical severity**
Vojislav Cupurdija (Kragujevac, Republic of Serbia), Vojislav Cupurdija, Zorica Lazic, Mihajlo Jakovljevic, Marina Petrovic, Slavica Mojsilovic, Ivan Cekerevac, Ljiljana Novkovic, Romana Susa

PA1598 **The primary care routine data registry BeoNet: First pilot phase results for COPD research**
Heidrun Lingner (Hannover, Germany), Heidrun Lingner, Ines Aumann, J. Matthias Von der Schulenburg, Jeanett Radisch, Anna Nickel, Margarethe Wacker, Kreuter Michael, Leidl Reiner, Tobias Welte

Room G102-103 Session 170 17:00 - 17:50

Group members' meeting: Group 1.3 Imaging

Chairs : Johan Coolen (Leuven, Belgium), Sebastian Ley (Munich, Germany), Aleksandar Grgic (Homburg/Saar, Germany)

Room G104-105 Session 171 17:00 - 17:50

Group members' meeting: Groups 7.3 Cystic fibrosis, 7.4 Paediatric respiratory infection and immunology

Chairs : Ian Balfour-Lynn (London, United Kingdom), Kajsa Bohlin (Stockholm, Sweden), Jürg Barben (St. Gallen, Switzerland), Vanessa Craven (Wetherby, United Kingdom)

Room G106-107 Session 172 17:00 - 17:50

Group members' meeting: Group 9.3 Nurses

Chairs : Bettina Korn (Dublin, Ireland), Georgia Narsavage (Morgantown, United States of America)

Room E102 Session 173 17:00 - 17:50

Group members' meeting: Group 9.2 Physiotherapists

Chairs : Fabio Pitta (Londrina, Brazil), Daniel Langer (Leuven, Belgium)

Room E103 Session 174 17:00 - 17:50

Group members' meeting: Group 9.1 Respiratory function technologists/scientists

Chairs : Jellien Makonga-Braaksma (Woudenberg, Netherlands), Waldemar Tomalak (Rabka-Zdroj, Poland)

Room G109 Session 175 17:00 - 17:50

Group members' meeting: Group 7.2 Paediatric asthma and allergy, 7.7 Paediatric bronchology

Chairs : Marielle Pijnenburg (Rotterdam, Netherlands), Kostas Priftis (Haidari, Athens, Greece), Alexander Möller (Zurich, Switzerland), Deborah Snijders (Ponzano Veneto, Italy)

Room G111 Session 176 17:00 - 17:50

Group members' meeting: Group 3.3 Mechanisms of lung injury and repair

Chairs : Martin Kolb (Hamilton, Canada), Melanie Koenigshoff (Munich, Germany)

17:15-19:15
INDUSTRY EVENING SYMPOSIA SEE PAGE 331

17:30-19:00
INDUSTRY EVENING MINI SYMPOSIUM SEE PAGE 331

Room G104-105 Session 190 18:00 - 18:50

Group members' meeting: Group 1.5 Diffuse parenchymal lung disease

Chairs : Katerina Antoniou (Heraklion, Greece), Francesco Bonella (Düsseldorf, Germany)

Room G106-107 Session 191 18:00 - 18:50

Group members' meeting: Group 3.1 Molecular pathology and functional genomics

Chairs : Marcin Skrzypski (Sopot, Poland), Philippe Bonniaud (Dijon, France), Aurelie Fabre (Dublin, Ireland)

Room E103 Session 192 18:00 - 18:50

Group members' meeting: Groups 6.1 Epidemiology, 6.4 Genes and environment

Chairs : Deborah Jarvis (London, United Kingdom), Anne Lindberg (Boden, Sweden), H. Marike Boezen (Groningen, Netherlands), Torben Sigsgaard (Aarhus, Denmark)

Room G109 Session 193 18:00 - 18:50

Group members' meeting: Group 1.1 Clinical problems

Chairs : Maurizio Marvisi (Cremona, Italy), Mohankumar Thekkinkattil (Coimbatore, India), Laura Fregonese (London, United Kingdom)

Room G106-107 Session 196 07:00 - 08:15

Registration for this session is additional to the congress registration fee and is €85.

Challenging clinical cases: CC3 Complications of lung infections (€85)

Aims : To discuss the two main complications of low respiratory tract infections (abscess and empyema) and to review their current management and treatment indications.

Track(s) : Infection

Tag(s) : Clinical

Target audience : Pulmonologists, respiratory physicians, general practitioners, and trainees

Chairs : Michael Tamm (Basel, Switzerland)

07:00	**Introduction**	**1684**
07:10	**Pulmonary abscess** Aran Singanayagam (London, United Kingdom)	**1685**
07:35	**Empyema** Francisco Sanz Herrero (Quart de Poblet (Valencia), Spain)	**1686**
08:00	**Discussion**	**1687**

Room E102 Session 197 07:00 - 08:15

Registration for this session is additional to the congress registration fee and is €85.

Challenging clinical cases: CC4 Diagnosis of cystic interstitial lung disease (€85)

Look at the (w)hole lung!

Aims : To discuss with the audience the broad spectrum and differential diagnosis of cystic interstitial lung disease

Tag(s) : Clinical

Target audience : Radiologist, pathologist, Pulmonologists, thoracic surgeons, respiratory therapists, respiratory physicians, clinical researchers, radiologists, fellows, and residents

Chairs : Vincent Cottin (Lyon, France)

07:00	**Introduction**	**1688**
07:10	**Cystic interstitial lung disease - a rare disease?** Philipp Markart (Giessen, Germany)	**1689**
07:35	**How to diagnose cystic interstitial lung disease** Toby Maher (St. Albans, Hertfordshire, United Kingdom)	**1690**
08:00	**Discussion**	**1691**

Room L001 Session 203 08:00 - 10:20

This workshop is fully booked. Please contact ers2015registration@kit-group.org to be added to the waiting list.

Educational skills workshop: EW13 Thoracic ultrasound (fully booked)

Aims : To provide hands-on training in transthoracic ultrasound for different indications.

Tag(s) : Clinical

Target audience : Pulmonologists, thoracic surgeons, respiratory therapists, respiratory physicians, clinical researchers, radiologists, fellows and residents.

Chairs : Nick Maskell (Bristol, United Kingdom)

	Introduction	**1697**
	Workstation 1: Normal human thoracic cavity Ioannis Psallidas (Oxford, United Kingdom), Fergus Gleeson (Oxford, United Kingdom)	**1698**
	Workstation 2: Pleural effusion and/or pleural thickening Oliver Bintcliffe (Bristol, United Kingdom), Laurence M.M.J. Crombag (Amsterdam, Netherlands)	**1699**
	Workstation 3: Case studies John Wrightson (Oxford, United Kingdom)	**1700**

Workstation 4: Guided pleural aspiration and lymph node biopsy using models **1701**
Rahul Bhatnagar (Bristol, United Kingdom), Anthony Edey (Bristol, United Kingdom), Duneesha De Fonseka (Sheffield, United Kingdom)

Room L002 Session 204 08:00 - 10:20

Registration for this workshop is additional to the congress registration fee and is €85.

Educational skills workshop: EW14 Endoscopic techniques for emphysema, asthma and lung cancer (€85)

Aims : To show the range of endoscopic options in emphysema, asthma, and lung cancer.

Tag(s) : Clinical

Target audience : Pulmonologists, thoracic surgeons, respiratory therapists, respiratory physicians, clinical researchers, radiologists, fellows and residents.

Chairs : Arschang Valipour (Vienna, Austria)

Introduction **1702**

Workstation 1: Endobronchial ultrasound **1703**
Maren Schuhmann (Heidelberg, Germany)

Workstation 2: Endoscopic lung volume reduction with valves **1704**
Arschang Valipour (Vienna, Austria)

Workstation 3: Endoscopic lung volume reduction with coils **1705**
Dirk-Jan Slebos (Groningen, Netherlands)

Workstation 4: Cryobiopsy **1706**
Sebastian Fernandez Bussy (Santiago, Chile)

Room L001 Session 227 10:40 - 13:00

This workshop is fully booked. Please contact ers2015registration@kit-group.org to be added to the waiting list.

Educational skills workshop: EW15 Thoracic ultrasound (fully booked)

Aims : To provide hands-on training in transthoracic ultrasound for different indications.

Tag(s) : Clinical

Target audience : Pulmonologists, thoracic surgeons, respiratory therapists, respiratory physicians, clinical researchers, radiologists, fellows and residents.

Chairs : Nick Maskell (Bristol, United Kingdom)

Introduction **1925**

Workstation 1: Normal human thoracic cavity **1926**
Fergus Gleeson (Oxford, United Kingdom), Michael Darby (Bristol, United Kingdom)

Workstation 2: Pleural effusion and/or pleural thickening **1927**
Oliver Bintcliffe (Bristol, United Kingdom), Jouke T. Annema (Amsterdam, Netherlands)

Workstation 3: Case studies **1928**
John Wrightson (Oxford, United Kingdom)

Workstation 4: Guided pleural aspiration and lymph node biopsy using models **1929**
Rahul Bhatnagar (Bristol, United Kingdom), Nick Maskell (Bristol, United Kingdom), Rob Hallifax (Oxford, United Kingdom)

Room L002 Session 228 10:40 - 13:00

This workshop is fully booked. Please contact ers2015registration@kit-group.org to be added to the waiting list.

Educational skills workshop: EW16 Endoscopic techniques for emphysema, asthma and lung cancer (fully booked)

Aims : To show the range of endoscopic options in emphysema, asthma, and lung cancer.

Tag(s) : Clinical

Target audience : Pulmonologists, thoracic surgeons, respiratory therapists, respiratory physicians, clinical researchers, radiologists, fellows and residents.

Chairs : Pallav L Shah (London, United Kingdom)

Introduction	**1930**
Workstation 1: Endobronchial ultrasound Daniela Gompelmann (Heidelberg, Germany)	**1931**
Workstation 2: Endoscopic lung volume reduction with valves Ralf Eberhardt (Heidelberg, Germany)	**1932**
Workstation 3: Endoscopic lung volume reduction with coils Dominik Harzheim (Heidelberg, Germany)	**1933**
Workstation 4: Cryobiopsy Pallav L Shah (London, United Kingdom)	**1934**

Room L001 Session 305 14:30 - 16:50

This workshop is fully booked. Please contact ers2015registration@kit-group.org to be added to the waiting list.

Educational skills workshop: EW17 Thoracic ultrasound (fully booked)

Aims : To provide hands-on training in transthoracic ultrasound for different indications.

Tag(s) : Clinical

Target audience : Pulmonologists, thoracic surgeons, respiratory therapists, respiratory physicians, clinical researchers, radiologists, fellows and residents.

Chairs : Najib M. Rahman (Oxford, United Kingdom)

Introduction	**2864**
Workstation 1: Normal human thoracic cavity Michael Darby (Bristol, United Kingdom), Anthony Edey (Bristol, United Kingdom)	**2865**
Workstation 2: Pleural effusion and/or pleural thickening Ioannis Psallidas (Oxford, United Kingdom), Speaker to be confirmed	**2866**
Workstation 3: Case studies Najib M. Rahman (Oxford, United Kingdom)	**2867**
Workstation 4: Guided pleural aspiration and lymph node biopsy using models Duneesha De Fonseka (Sheffield, United Kingdom), Oliver Bintcliffe (Bristol, United Kingdom), Rob Hallifax (Oxford, United Kingdom)	**2868**

Room L002 Session 306 14:30 - 16:50

Registration for this workshop is additional to the congress registration fee and is €85.

Educational skills workshop: EW18 Endoscopic techniques for emphysema, asthma and lung cancer (€85)

Aims : To show the range of endoscopic options in emphysema, asthma, and lung cancer.

Tag(s) : Clinical

Target audience : Pulmonologists, thoracic surgeons, respiratory therapists, respiratory physicians, clinical researchers, radiologists, fellows and residents.

Chairs : Daniela Gompelmann (Heidelberg, Germany)

Introduction	**2869**
Workstation 1: Endobronchial ultrasound Maren Schuhmann (Heidelberg, Germany)	**2870**
Workstation 2: Endoscopic lung volume reduction with valves Dominik Harzheim (Heidelberg, Germany)	**2871**
Workstation 3: Endoscopic lung volume reduction with coils Arschang Valipour (Vienna, Austria)	**2872**
Workstation 4: Cryobiopsy Sebastian Fernandez Bussy (Santiago, Chile)	**2873**

Room L103-104 Session 202 08:00 - 10:20

Registration for this workshop is additional to the congress registration fee and is €85.

Educational skills workshop: EW29 Chest tube and indwelling catheter placement and management (€85)

Aims : This workshop is jointly organised by the ERS and CHEST. Participants will be taught techniques that are required to successfully place the indwelling pleural catheters (IPCs) and chest tubes that are needed to drain fluid from the lung. Learners will use models to develop their practical skills.

Workstation 1: Case examples will be used to demonstrate how medical professionals can best accommodate the needs of the patient.
Workstation 2: This workstation will demonstrate how to correctly insert and regulate IPCs.
Workstation 3: This workstation will demonstrate how to correctly manage the insertion of chest tubes to drain fluid from the lungs.
Workstation 4: Case examples will illustrate the indications for the use of chest tubes and IPCs. How these indications have been managed will be discussed.

Tag(s) : Clinical

Target audience : Fellows, residents, pulmonologists and surgeons.

Chairs : Felix J.F. Herth (Heidelberg, Germany), Alexander Chen (St Louis, United States of America)

	Introduction	**1692**
	Workstation 1: Patient management Arnaud Scherpereel (Lille, France)	**1693**
	Workstation 2: Indwelling pleural catheters Stephanie Levine (San Antonio, United States of America)	**1694**
	Workstation 3: Chest tube management Julius P. Janssen (Nijmegen, Netherlands)	**1695**
	Workstation 4: Indications for the use of chest tube and IPCs and how these have been managed. Gerard Silvestri (Charleston, United States of America)	**1696**

Room L103-104 Session 226 10:40 - 13:00

Registration for this workshop is additional to the congress registration fee and is €85.

Educational skills workshop: EW30 Chest tube and indwelling catheter placement and management (€85)

Aims : This workshop is jointly organised by the ERS and CHEST. Participants will be taught techniques that are required to successfully place the indwelling pleural catheters (IPCs) and chest tubes that are needed to drain fluid from the lung. Learners will use models to develop their practical skills.

Workstation 1: Case examples will be used to demonstrate how medical professionals can best accommodate the needs of the patient.
Workstation 2: This workstation will demonstrate how to correctly insert and regulate IPCs.
Workstation 3: This workstation will demonstrate how to correctly manage the insertion of chest tubes to drain fluid from the lungs.
Workstation 4: Case examples will illustrate the indications for the use of chest tubes and IPCs. How these indications have been managed will be discussed.

Tag(s) : Clinical

Target audience : Fellows, residents, pulmonologists and surgeons.

Chairs : Arnaud Scherpereel (Lille, France)

	Introduction	**1920**
	Workstation 1: Patient management Felix J.F. Herth (Heidelberg, Germany)	**1921**
	Workstation 2: Indwelling pleural catheters Alain Tremblay (Calgary, Canada)	**1922**
	Workstation 3: Chest tube management Momen Wahidi (Durham, United States of America)	**1923**
	Workstation 4: Indications for the use of chest tube and IPCs and how these have been managed. Alexander Chen (St Louis, United States of America)	**1924**

Room L103-104 Session 304 14:30 - 16:50

Registration for this workshop is additional to the congress registration fee and is €85.

Educational skills workshop: EW31 Chest tube and indwelling catheter placement and management (€85)

Aims : This workshop is jointly organised by the ERS and CHEST. Participants will be taught techniques that are required to successfully place the indwelling pleural catheters (IPCs) and chest tubes that are needed to drain fluid from the lung. Learners will use models to develop their practical skills.

Workstation 1: Case examples will be used to demonstrate how medical professionals can best accommodate the needs of the patient.
Workstation 2: This workstation will demonstrate how to correctly insert and regulate IPCs.
Workstation 3: This workstation will demonstrate how to correctly manage the insertion of chest tubes to drain fluid from the lungs.
Workstation 4: Case examples will illustrate the indications for the use of chest tubes and IPCs. How these indications have been managed will be discussed.

Tag(s) : Clinical

Target audience : Fellows, residents, pulmonologists and surgeons.

Chairs : Alain Tremblay (Calgary, Canada)

	Introduction	**2859**
	Workstation 1: Patient management Momen Wahidi (Durham, United States of America)	**2860**
	Workstation 2: Indwelling pleural catheters Stephanie Levine (San Antonio, United States of America)	**2861**
	Workstation 3: Chest tube management Julius P. Janssen (Nijmegen, Netherlands)	**2862**
	Workstation 4: Indications for the use of chest tube and IPCs and how these have been managed. Alexander Chen (St Louis, United States of America)	**2863**

Room G110 Session 296 13:00 - 14:00

Registration for this session is additional to the congress registration fee and is €85.

Meet the expert: ME4 Asthma susceptibility (€85)

From pathophysiology to personalised medicine

Aims : To explain asthma susceptibility by presenting the results of basic science in relation to clinical observations. This will promote the development of personalised therapy on the basis of pathophysiology.

Tag(s) : Translational

Target audience : Pulmonologists, paediatricians, respiratory therapists, basic scientists, trainees, and anyone with an interest in asthma

Chairs :

13:00	**Asthma susceptibility: from pathophysiology to personalised medicine** Gerard Koppelman (Groningen, Netherlands)	**2829**
13:30	**Interview by a Junior** Carmen Veith (Maastricht, Netherlands)	**2830**
13:40	**Discussion**	**2831**

Room G109 Session 295 13:00 - 14:00

Registration for this session is additional to the congress registration fee and is €85.

Meet the expert: ME5 Chronic thromboembolic pulmonary hypertension (€85)

Aims : To review the current knowledge on CTPE: from pathophysiology to clinical presentation and treatment options

Tag(s) : Translational

Target audience : Pulmonologists, clinical researchers, intensivists, residents, fellows, nurses

Chairs :

13:00	**Chronic thromboembolic pulmonary hypertension** Marion Delcroix (Leuven, Belgium)	**2826**
13:30	**Interview by a Junior** Edmund Lau (Connells Point, Australia)	**2827**

13:40	**Discussion**	**2828**

Room G104-105 Session 294 13:00 - 14:00

This course is fully booked. Please contact ers2015registration@kit-group.org to be added to the waiting list.

Meet the expert: ME6 Understanding cough (€85)

Aims : To define why chronic cough remains a clinical challenge; to describe the main causative links; to indicate other possible causes; and to describe possible future treatments.

Tag(s) : Clinical

Target audience : Pulmonologists, emergency medicine doctors, respiratory physicians, clinical researchers, general practitioners, research fellows, basic scientists, and intensivists.

Chairs :

13:00	**Understanding cough** Alyn Hugh Morice (Cottingham, United Kingdom)	**2823**
13:30	**Interview by a Junior** Daan Caudri (Rotterdam, Netherlands)	**2824**
13:40	**Discussion**	**2825**

Room G111 Session 297 13:00 - 14:00

Registration for this session is additional to the congress registration fee and is €85.

Meet the expert: ME7 Update on referral guidelines for lung transplantation: what has changed? (€85)

Aims : To review the current referral criteria for lung transplantation on the basis of an updated report that will soon be published.

Tag(s) : Clinical

Target audience : Pulmonologists and thoracic surgeons

Chairs :

13:00	**Update on referral guidelines for lung transplantation: what has changed?** Paul Corris (Newcastle-upon-Tyne, United Kingdom)	**2832**

Room 2.1 Session 194 07:00 - 08:15

How to: Get the most out of literature searches

Aims : To discuss what kind of literature efficiently helps to solve clinical dilemmas and how to critically appraise and interpret available studies. Novel types of evidence such as network meta-analysis and benefit-harm assessments will also be discussed.

Target audience : Pulmonologists, respiratory therapists, respiratory physicians, general practitioners, intensivists, pathologists, radiologists, thoracic surgeons, otolaryngologist and trainees.

Chairs : Milo Puhan (Zurich, Switzerland), Christopher Cates (London, United Kingdom)

07:00	**Introduction**	**1678**
07:10	**How to find the literature that solves your clinical dilemma** Milo Puhan (Zurich, Switzerland)	**1679**
07:35	**How to interpret the literature that solves your practical dilemmas** Christopher Cates (London, United Kingdom)	**1680**
08:00	**Discussion**	**1681**

07:00-08:15
INDUSTRY EARLY MORNING SYMPOSIUM SEE PAGE 331

Room G102-103 Session 198 07:30 - 08:20

Group members' meeting: Group 6.2 Occupational and environmental health

Chairs : Paul Blanc (San Francisco, United States of America), Paul Cullinan (London, United Kingdom)

Room 13.2 Session 199 07:30 - 08:20

Group members' meeting: Groups 7.5 Neonatology and paediatric intensive care, 7.6 Paediatric respiratory epidemiology

Chairs : Kajsa Bohlin (Stockholm, Sweden), Franca Rusconi (Florence, Italy), Charles Christoph Roehr (Berlin, Germany), Bülent Taner Karadag (Istanbul, Turkey)

Room E103 Session 200 07:30 - 08:20

Group members' meeting: Group 5.3 Allergy and immunology

Chairs : Hans Jürgen Heinrich Hoffmann (Aarhus, Denmark), Apostolos Bossios (Gothenburg, Sweden)

Room G109 Session 201 07:30 - 08:20

Group members' meeting: Group 6.3 Tobacco, smoking control and health education

Chairs : Paraskevi Katsaounou (Athens, Greece), Thomas Hering (Berlin, Germany)

Room 7.1 Session 205 08:30 - 10:30

Year in review: Tuberculosis: short-course chemotherapy
and Ceremony for the ERS Research Award: Innovation in Non-Tuberculous Mycobacteria Science and Medicine

Aims : To present the evidence base for improving tuberculosis treatment with current and new drugs, discuss the evidence that suggests a need for shorter-course treatments for tuberculosis, the possible reasons for the problems that may be faced in shortening tuberculosis treatment with reference to the basic science of tuberculosis and present recommendations for future trials.

Track(s) : Infection

Target audience : Clinicians, clinical trialists, drug development organisations, public health officials, global tuberculosis funders, and basic scientists.

Chairs : Jan-Willem Alfenaar (Groningen, Netherlands), Graham H. Bothamley (London, United Kingdom)

08:30	**Ceremony for the ERS Research Award: Innovation in Non-Tuberculous Mycobacteria Science and Medicine** Giovanni Sotgiu (Porto Torres, Italy), Rodrigo Andres Floto (Cambridge, United Kingdom)	**1707**
08:40	**The role of moxifloxacin in treating tuberculosis** Stephen Henry Gillespie (St. Andrews, United Kingdom)	**1708**
09:07	**High-dose rifampicin and rifapentine in tuberculosis treatment** Amina Jindani (London, United Kingdom)	**1709**
09:34	**Four-month regimens: are they feasible?** Christian Lienhardt (Marseille, France)	**1710**
10:01	**Short-course treatment for multidrug-resistant tuberculosis: STREAM trials** Sarah Meredith (London, United Kingdom)	**1711**

Room Auditorium Session 206 08:30 - 10:30

Symposium: Clinical relevance of exercise stress testing of the right ventricle pulmonary circulation unit

Aims : To describe the normal exercise haemodynamics, understand the impact of ventilation on pulmonary haemodynamics in COPD, the impact of extreme sports on the right ventricle and the role of exercise testing on early diagnosis of PAH.

Track(s) : Physiology

Tag(s) : Clinical, Healthy Lungs for Life (HLfL)

Target audience : Clinicians, physiologists, and basic scientists.

Chairs : Pierantonio Laveneziana (Paris, France), Anton Vonk Noordegraaf (Amsterdam, Netherlands), Rogério De Souza (Sao Paulo, Brazil)

08:30	**ERS Statement: Exercise testing in the evaluation of interventional efficacy** Luis Puente Maestu (MADRID, Spain)	**1712**
08:50	**Limits of normal and the methodology** Robert Naeije (BRUSSELS, Belgium)	**1713**
09:15	**Pulmonary haemodynamics and the right ventricle in athletes** André La Gerche (Melbourne, Australia)	**1714**

09:40	**Pulmonary haemodynamics during exercise in COPD** Bart Boerrigter (Amsterdam, Netherlands)	**1715**
10:05	**Early pulmonary vascular disease in scleroderma** Gabor Kovacs (Graz, Austria)	**1716**

Room 7.2 Session 207 08:30 - 10:30

Symposium: Emerging occupational and environmental lung hazards: from asthma to interstitial disease

Aims : To describe emerging exposure-disease relationships, delineate novel pathogenic scenarios for otherwise "idiopathic" conditions, contextualise disease prevention for the practicing pulmonary clinician and expand the differential diagnosis for cases of lung disease with an otherwise unclear aetiology.

Track(s) : Epidemiology/Environment

Tag(s) : Translational

Target audience : Clinicians who encounter lung diseases of unclear aetiology and researchers (including those applied public health) who are investigating disease outbreaks.

Chairs : Paul Blanc (San Francisco, United States of America), Paul Cullinan (London, United Kingdom)

08:30	**Toxic pneumonitis from nebulised anti-microbials in home humidifiers** Yangho Kim (Ulsan, Republic of Korea)	**1717**
09:00	**Bronchiolitis obliterans: a frequently missed occupational or environmental link?** Benoit Nemery (Leuven, Belgium)	**1718**
09:30	**Auto-immune complications in pneumoconiois: an underappreciated comorbidity** Benjamin Fox (Petach Tikva, Israel)	**1719**
10:00	**Occupational asthma and extrinsic allergic alveolitis: old conditions with many new causes** Chris Barber (Sheffield, United Kingdom)	**1720**

Room Elicium 2 Session 208 08:30 - 10:30

Symposium: How to perform and interpret systematic reviews and meta-analyses

Aims : To provide basic knowledge about evidence-based medicine, systematic reviews, meta-analyses, and the Cochrane Collaboration will be described. The reliability of the data provided by meta-analyses will be discussed. The first steps in developing a Cochrane systematic review and meta-analysis will be presented with the aid of high-quality training materials that were generated by the volunteers in the Cochrane Collaboration. We are grateful to the Cochrane Collaboration for allowing us to use these training materials.

Track(s) : Oncology

Tag(s) : Translational

Target audience : All healthcare providers who are interested in evidence-based medicine and how to interpret a common way of summarising data.

Chairs : Virginie Westeel (Besançon, France), Thierry Berghmans (Brussels, Belgium)

08:30	**Introduction to writing a systematic review: the example of the Cochrane Collaboration** Fergus Macbeth (Bristol, United Kingdom)	**1721**
09:00	**Defining a review question and writing a protocol** Jaap Trappenburg (Utrecht, Netherlands)	**1722**
09:30	**(Non-)sense to interpret meta-analyses with heterogeneous interventions: the example of non-pharmacological interventions** Milo Puhan (Zurich, Switzerland)	**1723**
10:00	**From meta-analyses to network meta-analyses: the Holy Grail for assessing interventions?** Ludovic Trinquart (Paris, France)	**1724**

Room 4.2 Session 209 08:30 - 10:30

Symposium: Mechanisms of virus-driven and host-defence immune responses in acute virus-induced asthma

Aims : To describe the mechanisms by which viruses cause acute asthma. The participants will gain insights into how host immune responses are exploited by the virus, how the host defends itself with its immune responses, and how information about these interactions can be used to develop novel asthma therapies. More specifically, the presentations will describe the effect of viral structure on antiviral host defences, how to differentiate between host immune responses that are exploited by the virus and the immune responses that are crucial for host defence, how genetic variations influence virus-induced asthma exacerbations in children, and how viruses affect the airway microbiome of asthmatics and in turn shape the long-term respiratory outcomes of these patients.

Track(s) : Paediatric Infection

Tag(s) : Translational

Target audience : Clinicians (paediatric and adult), and scientists.

Chairs : Gunilla Hedlin (Stockholm, Sweden), Nikolaos G. Papadopoulos (Athens, Greece)

08:30	**Interactions between viruses and the immune system in acute asthma** James E. Gern (Madison, United States of America)	**1725**
09:00	**Differentiating between virus-driven host immune responses and host defence immune responses** Peter Le Souef (Perth, Australia)	**1726**
09:30	**Preschool wheeze: a marker for respiratory problems in adulthood?** Alexander John Henderson (Bristol, United Kingdom)	**1727**
10:00	**The effect of viruses on the airway microbiome and how these changes influence long-term respiratory outcome** Michael Cox (London, United Kingdom)	**1728**

Room 5.2 Session 210 08:30 - 10:30

Symposium: Respiratory research in the Netherlands

Beyond the Dutch hypothesis

Aims : To present the diversity of research topics covered by scientists who are presently active in respiratory research in the Netherlands and who started their careers long after the formulation of the Dutch hypothesis.

Tag(s) : Translational

Target audience : This session will be of interest to a wide range of basic and clinical scientists.

Chairs : Pieter S. Hiemstra (Leiden, Netherlands), Christian Taube (Leiden, Netherlands)

08:30	**Patient testimonial** Truus Teunissen (Veenendaal, Netherlands)	**1729**
08:42	**Role of muscarinic receptors in airway inflammation and remodelling** Reinoud Gosens (Groningen, Netherlands)	**1730**
09:09	**Regulatory B cells in allergy and parasitic infections** Hermelijn H. Smits (Leiden, Netherlands)	**1731**
09:36	**Pulmonary rehabilitation in COPD** Frits M.E. Franssen (Horn, Netherlands)	**1732**
10:03	**Advanced cell culture techniques and personalised medicine for cystic fibrosis** Jeffrey M. Beekman (Utrecht, Netherlands)	**1733**

Room Elicium 1 Session 211 08:30 - 10:30

Hot topics: Advancing therapies for cystic fibrosis

Aims : This session will present insights into the novel therapeutic options for CF and the latest developments in gene and protein therapy. How these therapies can be administered in an individualised fashion will also be discussed.

Track(s) : Infection Paediatric

Tag(s) : Translational

Target audience : Clinicians and basic scientists.

Chairs : Margarida D. Amaral (Lisbon, Portugal), Bert Arets (Utrecht, Netherlands)

08:30	**Gene therapy of CF** Uta Griesenbach (London, United Kingdom)	**1734**
09:00	**Clinical results for patients with non G551D mutations** Marijke Proesmans (Leuven, Belgium)	**1735**

09:30	**Individual treatment of cystic fibrosis by using intestinal organoids** Florijn Dekkers (Utrecht, Netherlands)	**1736**
10:00	**Personalised therapy for cystic fibrosis: adjusting treatment to the basic defect** Luka Clarke (Lisbon, Portugal)	**1737**

Room Forum Session 212 08:30 - 10:30

Oral presentation: Risk assessment and prevention of complications in thoracic surgery

Chairs : Dragan R. Subotic (Beograd, Republic of Serbia), Stefano Elia (Naples, Italy)

OA1738	**The lower pleural covering technique for Birt-Hogg-Dubé syndrome (BHDS) with recurrent pneumothorax** Masatoshi Kurihara (Tokyo, Japan), Masatoshi Kurihara, Teruaki Mizobuchi, Hiroki Ebana
OA1739	**Cardiopulmonary exercise test to predict perioperative supraventricular tachyarrhythmia after major thoracic surgery: The predictive power of minute ventilation-to-carbon dioxide output (VE/VCO2)** Giacomo Cusumano (Catania, Italy), Giacomo Cusumano, Riccardo Giuliano, Daniele Lombardo, Alberto Terminella, Salvatore Saita, Salvatore Bellofiore
OA1740	**Long-term impact of developing a postoperative pulmonary complications after lung surgery** Sebastian Lugg (Bromsgrove, United Kingdom), Sebastian Lugg, Paula Agostini, Theofano Tikka, Kerry Adamas, Amy Kerr, Ehab Bishay, Maninder Kalkat, Richard Steyn, Pala Rajesh, David Thickett, Babu Naidu
OA1741	**Short and long term outcomes of pectus surgery** Theofano Tikka (Birmingham, United Kingdom), Theofano Tikka, Richard Steyn, Ehab Bishay, Maninder Kalkat, Babu Naidu, Pala Rajesh
OA1742	**Video-assisted thoracoscopic surgery (VATS) with nonintubated spontaneous breathing general anesthesia using laryngeal mask (LMA)** Georgia Hardavella (London, United Kingdom), Georgia Hardavella, Nikos Papakonstantinou, Ioannis Karampinis, Antonis Katsipoulakis, Maria Ntassiou, Thodoris Tsoutsouras, Anna Mpairaktari, Nikolaos Anastasiou
OA1743	**Preoperative predictive value of 18FDG CT/PET tumor metabolic parameters & SUV lymh nodes/tumor ratio in NSCLC** Luca Bertolaccini (Negrar Verona, Italy), Luca Bertolaccini, Giulia Felloni, Matteo Salgarello, Carlo Pomari, Simona Paiano, Luca Rosario Assante, Andrea Viti, Alberto Terzi
OA1744	**A prospective study of survival after surgery for early stage non-small cell lung cancer in patients with COPD** Anders Bugge (Oslo, Norway), Anders Bugge, May Brit Lund, Cathrine Brunborg, Steinar Solberg, Johny Kongerud
OA1745	**EBUS TBNA negative lymph nodes risk stratification model: A tool for multidisciplinary team** Luca Bertolaccini (Negrar Verona, Italy), Simona Paiano, Luca Bertolaccini, Carlo Pomari, Luca Rosario Assante, Alberto Terzi

Room 5.1 Session 213 08:30 - 10:30

Oral presentation: Ring of fire: inflammation and metabolism in sleep-disordered breathing

Chairs : Silke Ryan (Dublin, Ireland), Jean-Louis Pepin (Grenoble, France)

OA1746	**MicroRNA biomarker profiling for detection of favorable blood pressure responders to CPAP in patients with resistant hypertension and OSA: The HIPARCO-score** Fernando Santamaria-Martos (Lleida, Spain), Fernando Santamaria-Martos, Manuel Sánchez-de-la-Torre, Ferran Barbe, Abdelnaby Khalyfa, Alicia Sánchez-de-la-Torre, Monserrat Martinez-Alonso, Miguel ángel Martinez-García, Antonia Barcelo, David Gozal
OA1747	**Pharyngeal and systemic inflammation in obstructive sleep apnea (OSA)** Jose M. Marin Trigo (Zaragoza, Spain), Marta Marin-Oto, Eugenio Vicente, Marta Forner, Pablo Cubero, Ana L. Simon, Jose M. Marin
OA1748	**Interaction between body weight obstructive sleep apnea (OSA) on C-reactive protein (CRP) in an otherwise healthy population: The EPIOSA study** M Teresa Martin De Carpi (Zaragoza, Spain), M. Teresa Martín Carpi, Santiago J. Carrizo, Marta Andrés, Victoria Gil, Marta Forner, José P. Cubero, Clara Viñado, Dinora Polanco, José M. Marín, Salvador Bello
OA1749	**The effect of CPAP withdrawal on exhaled breath in OSA – A randomised controlled trial** Esther Irene Schwarz (Zurich, Switzerland), Esther I. Schwarz, Pablo Martinez-Lozano Sinues, Lukas Bregy, Diego Garcia Gomez, Thomas Gaisl, Martin Gaugg, Yvonne Nussbaumer-Ochsner, Nina Strebler, Konrad E. Bloch, John R. Stradling, Renato Zenobi, Malcolm Kohler

OA1750 **The effect of continuous positive airway pressure on basal metabolism rate in patients with severe obstructive sleep apnea syndrome**
Fusun Yildiz (Kocaeli, Turkey), Tugba Onyilmaz, Serap Argun Baris, Hasim Boyaci, Gonca Ornek, Ilknur Basyigit, Fusun Yildiz

OA1751 **Genetic determinants of cardiovascular disease in patients with obstructive sleep apnea (OSA)**
Piotr Bielicki (Warsaw, Poland), Piotr Bielicki, Malgorzata Barnas, Kamil Brzoska, Luiza Jonczak, Robert Plywaczewski, Marta Kumor, Tomasz Stepkowski, Ryszarda Chazan, Marcin Kruszewski, Pawel Sliwinski

OA1752 **The rs1800629 variant in the TNF- gene is not associated with obstructive sleep apnoea syndrome in a Czech population**
Martin Pet ek (Olomouc, Czech Republic), Martin Petrek, Jana Petrkova, Veronika Zizkova, Vitezslav Kolek, Milada Hobzova

OA1753 **Efficacy of different treatment alternatives por obesity hypoventilation syndrome**
Juan Fernando Masa Jiménez (Cáceres, Spain), Juan F. Masa, Jaime Corral, Maria L. Alonso, Estrella Ordax, Maria F. Troncoso, Mónica González, Soledad Lopez-Martínez, Jose M. Marin, Sergi Marti, Trinidad Díaz-Cambriles, Eusebi Chiner, Felipe Aizpuru, Carlos Egea

Room 13.1 Session 214 08:30 - 10:30

Oral presentation: Best abstracts on pulmonary rehabilitation in chronic lung diseases

Chairs : Richard Casaburi (Rancho Palos Verdes, United States of America), Martijn A. Spruit (Horn, Netherlands)

OA1754 **Physical activity following 12-week supervised exercise training program in patients with idiopathic pulmonary fibrosis**
Baruch Vainshelboim (Netanya, Israel), Baruch Vainshelboim, Jose Oliveira, Benjamin Fox, Yafit Soreck, Mordechai Kramer

OA1755 **Does neuromuscular electrical stimulation of the quadriceps during rehabilitation in COPD outpatients adds a benefit?**
Catherine Tardif (Bois-Guillaume, France), Catherine Tardif, Anne Laure Roy, Catherine Viacroze, David Debeaumont, Jean Quieffin, Marie Hélène Marques, Claude Dubreuil, Jean François Muir, Dupuis Johan

OA1756 **Functional capacity variation after pulmonary rehabilitation in COPD patients – A survival predictor**
Cláudia Sofia Vaz Guerreiro (Faro, Portugal), Cláudia Guerreiro, Daniela Madama, Fátima Rodrigues

OA1757 **Negative pressure ventilation decreases lung function decline, acute exacerbations and hospitalizations in COPD patients with desaturation during 6 minute walk test**
Te Fang Sheng (Taoyuan, Taiwan), Te-fang Sheng, Hung-Yu Huang, Wen-Ching Joa, Han-Pin Kuo, Chun-Hua Wang

OA1758 **Differential response between cycling and walking test following pulmonary rehabilitation in patients with COPD depends on degree of lung hyperinflation**
Michiel M.J.E.G.W. Vanfleteren (Maastricht, Netherlands), Michiel Vanfleteren, Martijn Spruit, Frits Franssen, Emiel Wouters, Miriam Groenen, Lowie Vanfleteren

OA1759 **COPD and co-existent chronic heart failure (CHF): Response to pulmonary rehabilitation (PR)**
Faiza Chowdhury (Sheffield, United Kingdom), Faiza S. Chowdhury, Rachael A. Evans, Jane L. Canavan, Sarah E. Jones, Clare M. Nolan, Amy L. Clark, Samantha S.C. Kon, Derek Bell, Martin R. Cowie, William D.C. Man

OA1760 **Metabolic risk factors in patients with advanced COPD and the response to short-term high-intensity pulmonary rehabilitation**
Nanca Cebron Lipovec (Ljubljana, Slovenia), Nanca Cebron Lipovec, Annemie Schols, Daniel Omersa, Tatjana Kosten, Mitja Lainscak

OA1761 **Health status and chronic conditions in patients with COPD and their resident loved ones**
Nienke Nakken (Horn, Netherlands), N. Nakken, M.A. Spruit, E.H.A. Van den Bogaart, M. Van Vliet, G.J. De Vries, F.L. Custers, J.H. Vercoulen, G.M. Asijee, E.F.M. Wouters, D.J.A. Janssen

Room 2.1 Session 215 08:30 - 10:30

Oral presentation: Bronchoscopic treatment of emphysema and asthma: what is new?

Chairs : Charles-Hugo Marquette (Nice, France), Hervé Dutau (Marseille, France)

OA1762 **The effect of bronchial thermoplasty on nerve C-fibers and inflammatory cells in patients with severe asthma**
Nicola Cosimo Facciolongo (Reggio Emilia, Italy), Nicola Facciolongo, Antonino Di Stefano, Vladimiro Pietrini, Federica Bellanova, Roberto Piro, Francesco Menzella, Carla Galeone, Bruno Balbi, Mirco Lusuardi, Luigi Zucchi

OA1763 **Bronchial wall thickness assessed by optical coherence tomography (OCT) before and after bronchial thermoplasty (BT)**
Julia d'Hooghe (Amsterdam, Netherlands), J.N.S. D'Hooghe, D.M. De Bruin, L. Wijmans, J.T. Annema, P.I. Bonta

OA1764 **Distribution of fissure integrity and emphysema measurements by GOLD stages**
Philippe Raffy (Coralville, United States of America), Philippe Raffy, Youbing Yin, Daniela Gompelmann, Eric Hoffman, Maren Schuhmann, John Newell, Juerg Tschirren, Ralf Eberhardt, Susan Wood, Felix J.F. Herth

OA1765 **Regional fissure integrity analysis for improved prediction of endobronchial valve lung volume reduction therapy**
Youbing Yin (Coralville, United States of America), Y. Yin, P. Raffy, M. Schuhmann, D. Gompelmann, R. Eberhardt, S. Wood, F. Herth

OA1766 **CT predictors of VQ perfusion: Application to endobronchial valve lung reduction treatment**
Maren Schuhmann (Heidelberg, Germany), Maren Schuhmann, Philippe Raffy, Daniela Gompelmann, Youbing Yin, Ralf Eberhardt, Juerg Tschirren, Dominik Harzheim, Felix J.F. Herth

OA1767 **Daily physical activity significantly improves after endobronchial valve treatment in patients with emphysema**
Jorine Hartman (Groningen, Netherlands), Jorine E. Hartman, Karin Klooster, Dirk-Jan Slebos, Nick H.T. Ten Hacken

OA1768 **Echocardiogram parameters in patients with COPD in the year after endoscopic lung volume reduction (ELVR)**
Sanaz Khalili Tehrani (Cammeray, Australia), Sanaz Khalili Tehrani, Kelvin Hsu, Jonathan Williamson, Matthew Peters, Alvin Ing

OA1769 **QCT analysis of emphysema and air trapping in coil-based lung volume reduction treatment**
Youbing Yin (Coralville, United States of America), K. Kontogianni, Y. Yin, M. Schuhmann, P. Raffy, R. Eberhardt, D. Gompelmann, F. Herth

Room 4.1 Session 216 08:30 - 10:30

Oral presentation: Advances in the future treatment of severe asthma

Chairs : Mario Cazzola (Rome, Italy), Kian Fan Chung (London, United Kingdom)

OA1770 **Effect of tralokinumab on serum periostin and IgE levels in uncontrolled severe asthma**
Koustubh Ranade (Potomac, United States of America), Koustubh Ranade, Scott Manetz, Meina Liang, Rozanne (Yen-Wah) Lee, Michael Kuziora, Dewei She, Ed Piper

OA1771 **Clinical biomarkers identify T-helper 2 status defined by mucosal CCL26 in the ADEPT-asthma study**
Matthew Loza (Spring House, United States of America), Matthew Loza, Irina Strambu, Michel Laviolette, David Singh, J. Mark FitzGerald, Stephen Lam, Steven Steven Kelsen, Andreas Eich, Andrea Ludwig-Sengpiel, Geoffrey Chupp, Vibeke Backer, Celeste Porsbjerg, Pierre-Olivier Girodet, Patrick Berger, Richard Leigh, Joel Kline, Mark Dransfield, William Calhoun, Azra Hussaini, Sumita Khatri, Pascal Chanez, Vedrana Susulic, Elliot Barnathan, Kevin Petty, Mark Curran, Anuk Das, Carrie Brodmerkel, Frédéric Baribaud, Philip Silkoff

OA1772 **Th2 subsetting of U-BIOPRED asthma subjects based on airway transciptomic profiles**
Stelios Pavlidis (London, United Kingdom), Stelios Pavlidis, Matthew Loza, Frédéric Baribaud, Chih-Hsi Kuo, Anthony Rowe, Rene Lutter, Uruj Hoda, Christos Rossios, Ana Sousa, Julie Corfield, Ian Adcock, Ratko Djukanovic, Peter Sterk, Fan Chung

OA1773 **Sputum supernatant profiling reveals inflammasome-associated signatures in severe asthmatics in U-BIOPRED**
Christos Rossios (London, United Kingdom), Christos Rossios, Matt Loza, Stelios Pavlidis, Antony Rowe, Ratko Djukanovic, Fred Baribaud, Peter J. Sterk, Kian Fan Chung, Ian M. Adcock, On Behalf of U-BIOPRED Study Group

OA1774 **Systemic corticosteroid-associated serum analyte profiles in the U-BIOPRED severe asthma cohort**
Matthew Loza (Spring House, United States of America), Matthew Loza, Stelios Pavlidis, Anthony Rowe, Ratko Djukanovic, Peter Sterk, Ian Adcock, Frédéric Baribaud, K. Fan Chung

OA1775 **Investigating mitochondrial dysfunction in asthma**
Rebekah Ashmore (London, United Kingdom), Rebekah Ashmore, Andrew Durham, Charalambos Michaeloudes, Christos Rossios, Ian Adcock

OA1776 **The effects of clinically relevant reference agents in a mouse model of severe asthma**
Alan Young (nottingham, United Kingdom), Puneeta Nath, Emma Sadler, Vince Russell, Alan Young

OA1777 **Mapping a mouse model of severe asthma to human asthma using gene set variation analysis**
Kirsty Russell (London, United Kingdom), Kirsty Russell, Stelios Pavlidis, Coen Wiegman, Jeannette Bigler, Navin Rao, Kian Fan Chung, Ian Adcock

Room Emerald Session 217 08:30 - 10:30

Oral presentation: The multiple faces of host defense

Chairs : Sinead Weldon (Belfast, United Kingdom), Mark Gjomarkaj (Palermo, Italy)

OA1778	**LSC Abstract – Cigarette smoke impairs proteasome-dependent MHC I antigen presentation** Ilona Keller (Munich, Germany), Ilona Keller, Angela Dann, Oliver Eickelberg, Silke Meiners
OA1779	**Loss of bronchial epithelial E-cadherin results in spontaneous airway remodeling and eosinophilic inflammation and exaggerated responses to house-dust mite** Martijn Nawijn (Groningen, Netherlands), Martijn Nawijn, Sijranke Post, Laura Hesse, Maaike De Vries, Bart Lambrecht, Tillie Hackett, Irene Heijink
OA1780	**Induction of galectin-9 production by viral infection in the lung** Shigeki Katoh (Okayama, Japan), Shigeki Katoh, Masaki Ikeda, Hiroki Shimizu, Kiyoyasu Fukushima, Mikio Oka
OA1781	**An innate defence role for BPIFA1/SPLUNC1 against influenza-A virus infection** Khondoker Akram (Sheffield, United Kingdom), Khondoker Akram, Nathifa Moyo, Mark Tompkins, Ralph Tripp, Lynne Bingle, James Stewart, Colin Bingle
OA1782	**IFN influences bronchial epithelial anti-viral immune responses via inducible epigenetic control of histone methylation of the RIG-I promoter** Cosma Mirella Spalluto (Southampton, United Kingdom), C. Mirella Spalluto, Akul Singhania, Christopher H. Woelk, Tilman Sanchez-Elsner, Karl J. Staples, Tom M.A. Wilkinson
OA1783	**Regulation of interleukin-8 by miR-17 during chronic inflammation in cystic fibrosis** Sebastian Vencken (Dublin, Ireland), Sebastian Vencken, Irene Oglesby, Raman Agrawal, Kevin Gaughan, Gerry McElvaney, Marcus Mall, Catherine Greene
OA1784	**Vitamin D_3 deficiency does not result in a breach of pulmonary host defense in mice** Julia Niederstrasser (Homburg/Saar, Germany), Julia Niederstraßer, Lisa Wolf, Christian Herr, Christoph Beisswenger, Markus Bischoff, Robert Bals
OA1785	**Vitamin D-mediated expression of the antimicrobial peptide hCAP18/LL-37 and killing of non-typeable haemophilus influenzae (NTHi) is reduced after 14 days exposure to TNF- and IL-1 in primary bronchial epithelial cells (PBEC)** Jasmijn Schrumpf (Leiden, Netherlands), Jasmijn Schrumpf, Renate Verhoosel, Pieter Hiemstra

Room E104-106 Session 218 08:30 - 10:30

Poster discussion: Pathogenic mechanisms of lung transplant complications: a focus on CLAD

Chairs : Bart Vanaudenaerde (Leuven, Belgium), Claus Neurohr (Munich, Germany)

PA1786	**LATE-BREAKING ABSTRACT: Challenging immunosuppression treatment in lung transplant patients with kidney failure: Rescue therapy with basiliximab?** Simona Soresi (Isleworth, United Kingdom), Neeraj Kohli, Kirsty Habibi-Parker, Haifa Lyster, Anna K. Reed, Martin Carby, Andre R. Simon, Aron F. Popov, Simona Soresi
PA1787	**LATE-BREAKING ABSTRACT: Ex vivo pulmonary ultrasound: A new tool for the assessment of marginal organs?** Louit Thakuria (London, United Kingdom), Louit Thakuria, Rosalba Romano, Andre Simon, Aron Popov, Fabio De Robertis, Prashant Mohite, Bradley Pates, Timothy Pitt, Mark Griffiths, Simona Soresi, Martin Carby, Anna Reed, Alex Rosenberg
PA1788	**LATE-BREAKING ABSTRACT: Lung transplantation in cystic fibrosis patients in Israel: The importance of ethnicity and nutritional status** Hagit Levine (Even Yehuda, Israel), Hagit Levine, Dario Prais, Yael Raviv, Victorya Rusanov, Dror Rosengarten, Milton Saute, Moshe Hoshen, Huda Mussaffi, Hannah Blau, Mordechai R. Kramer
PA1789	**The role of secondary lymphoid tissue in airway obliteration in a heterotopic trachea transplant model** Jana Somers (Leuven, Belgium), Jana Somers, Elly Vandermeulen, Philippe Lemaitre, Hannelore Bellon, David Ruttens, Stijn Verleden, An Martens, Arne Neyrinck, Robin Vos, Geert Verleden, Bart Vanaudenaerde, Dirk Van Raemdonck
PA1790	**Serum cytokines patterns in lung transplant recipients** Letizia Corinna Morlacchi (Milan, Italy), Letizia Corinna Morlacchi, Valeria Rossetti, Marco Mantero, Mario Nosotti, Paolo Tarsia, Maria Pappalettera, Francesco Blasi
PA1791	**System biology (SB) allows the identification of pathogenic micro RNA (miR) in BOS** Elena Rossi (Pavia, Italy), Simona Inghilleri, Stefano Di Carlo, Patrizia Morbini, Fiorella Calabrese, Gianfranco Politano, Davide Zampieri, Alfredo Benso, Manuela Agozzino, Emanuela Cova, Federica Meloni, Elena Rossi

PA1792	**Blood mRNA and miRNA transcriptome to predict chronic lung allograft dysfunction** Pierre-Joseph Royer (Nantes, France), Pierre-Joseph Royer, Daniel Baron, Damien Reboulleau, Adrien Tissot, Karine Botturi-Cavailles, Antoine Roux, Martine Reynaud-Gaubert, Romain Kessler, Sacha Mussot, Claire Dromer, Olivier Brugière, Jean-Francois Mornex, Romain Guillemain, Marcel Dahan, Christiane Knoop, Christophe Pison, Angela Koutsokera, Laurent Nicod, Sophie Brouard, Antoine Magnan
PA1793	**Engineered gold nanoparticles targeted to mesenchymal cells from BOS patients can be safely administered to normal mice by inhalation** Emanuela Cova (Pavia, Italy), Emanuela Cova, Gabriele Ceccarelli, Laura Pandolfi, Manuela Agozzino, Raffaele Allevi, Laura Benedetti, Miriam Colombo, Simona Inghilleri, Sara Magni, Tiberio Oggionni, Davide Prosperi, Maria Gabriella Cusella, Federica Meloni
PA1794	**Different expression of CD44variant6 in BAL mesenchymal cells is related to BOS severity** Emanuela Cova (Pavia, Italy), Michele Zorzetto, Laura Pandolfi, Simona Inghilleri, Laura Dovizia, Monica Morosini, Angelo Corsico, Davide Piloni, Giulia Stella, Federica Meloni, Emanuela Cova
PA1795	**Torque teno virus kinetics after lung transplantation and its association to immunosuppression schemes and to clinical complications** Peter Jaksch (Vienna, Austria), Irene Goerzer, Peter Jaksch, Tamara Seitz, Walter Klepetko, Elisabteh Puchhammer
PA1796	**Neurogenic pulmonary edema and right ventricular dysfunction in an animal model of brain death** Asmae Belhaj (Brussels, Belgium), Asmae Belhaj, Laurence Dewachter, Céline Dewachter, Myriam Remmelink, Sandrine Rorive, Robert Naeije, Benoit Rondelet
PA1797	**Neurogenic pulmonary edema: Effect of corticosteroids** Asmae Belhaj (Brussels, Belgium), Asmae Belhaj, Laurence Dewachter, Céline Dewachter, Myriam Remmelink, Sandrine Rorive, Robert Naeije, Benoit Rondelet
PA1798	**Airway blood flow changes after lung transplantation** Gábor Horváth (Budapest, Hungary), Laura Andrea Toth, Dorottya Filip, Daphna Amitai, Aniko Bohacs, Zoltan Sutto, Veronika Muller, Eliana S. Mendes, Adam Wanner, Gabor Horvath
PA1799	**The effect of immunosuppression on airway integrity** Hannelore Bellon (Leuven, Belgium), Hannelore Bellon, Elly Vandermeulen, Stijn Verleden, David Ruttens, Hanne Vriens, Hoet Peter, Bart Vanaudenaerde, Robin Vos, Geert Verleden
PA1800	**Risk factors for chronic lung allograft dysfunction (CLAD) in the SysCLAD cohort** Angela Koutsokera (Lausanne, Switzerland), Angela Koutsokera, Pierre-Joseph Royer, Andreas Fritz, Christian Benden, Adrien Tissot, John-David Aubert, Jean-Philippe Antonietti, Karine Botturi-Cavaillès, Antoine Magnan, Christophe Pison, Laurent P. Nicod
PA1801	**Early and late viral infections after lung transplantation** Filippo Patrucco (Robbio, Italy), Filippo Patrucco, Massimo Rittà, Daniela Libertucci, Lorena Mercante, Michela Bellocchia, Massimo Boffini, Cristina Costa, Rossana Cavallo, Caterina Bucca, Paolo Solidoro
PA1802	**The role of cytomegalovirus in the development of bronchiolitis obliterans syndrome** Il'dar Zinnatullin (Saint-Petersburg, Russian Federation), Ildar Zinnatullin, Elena Orlova, Alisa Volkova, Sergey Bondarenko, Andrey Kozlov, Vladimir Vavilov, Olga Slesarchuk, Alexander Kulagin, Ildar Barkhatov, Alexei Chukhlovin, Ludmila Zubarovskaya, Boris Afanasyev

Room G102-103 Session 219 08:30 - 10:30

Poster discussion: Respiratory disease management in primary care

Chairs : Janwillem Kocks (Groningen, Netherlands), Jaime Correia de Sousa (Porto, Portugal)

PA1803	**LATE-BREAKING ABSTRACT: Impact of the provision of free medications on hospital admissions for asthma in Brazil** Talitha Comaru (Barcelona, Spain), Talitha Comaru, Frederico Friedrich, Paulo Pitrez, Leonardo Pinto
PA1804	**LATE-BREAKING ABSTRACT: Who benefits most from COPD self-management interventions? An individual patient data meta-analysis** Nini Jonkman (Utrecht, Netherlands), Nini Jonkman, Heleen Westland, Jaap Trappenburg, Rolf Groenwold, Erik Bischoff, Jean Bourbeau, Christine Bucknall, David Coultas, Tanja Effing, Michael Epton, Frode Gallefoss, Judith Garcia-Aymerich, Suzanne Lloyd, Evelyn Monninkhof, Huong Nguyen, Job van der Palen, Kathryn Rice, Maria Sedeno, Stephanie Taylor, Thierry Troosters, Nicholas Zwar, Arno Hoes, Marieke Schuurmans
PA1805	**Clinically appropriate testing of different valved holding chamber (VHC)-facemask combinations investigating simulated delivered mass to carina** Jason Suggett (London, Canada), Jason Suggett, Mark Nagel, Heather Schneider, Jolyon Mitchell

PA1806	**Pulmonary function and use of health care resources after coronary tomography** Frederico Leon Arrabal Fernandes (Sao Paulo, Brazil), Frederico L.A. Fernandes, Moreira Francielle, Janaina Danieli Pessi, Carlos Eduardo Rochite, Regina Maria Carvalho-Pinto, Rafael Stelmach, Alberto Cukier
PA1807	**Under-diagnosis, under-treatment and under-counseling of patients of COPD in rural & semi-urban Indian population: If you are not talking to your patient, you are killing him!** Mrityunjaya Singh (Varanasi, Uttar Pradesh, India), Mrityunjaya Singh, Sudhir Kumar Agarwal, Manoj Meena, G.N. Srivastava, Ashvendra Singh Chawra
PA1808	**How to screen chronic obstructive pulmonary disease in general practice?** Ana Luísa Pereira Vieira (Braga, Portugal), Ana Vieira, Joana Lages, Catarina Lacerda, João Cruz, João Cunha
PA1809	**Under diagnosis of COPD in primary care setting in Surat, India** Kshitij Mandke (Surat, Gujarat, India), Anup Mandke, Kshitij Mandke
PA1810	**Inhaler treatment prescription in adults in a primary care setting** Salvatore Bucchieri (Palermo, Italy), Salvatore Bucchieri, Fabio Cibella, Piero Alfano, Palma Audino, Mario Raphael Melis, Giuseppina Cuttitta, Snamid Palermo Cooperative Group
PA1811	**Impaired health status in primary care COPD patients is underestimated** Erik Bischoff (Nijmegen, Netherlands), Erik Bischoff, Laura Elbers-van de Ven, Tjard Schermer, Jan Vercoulen
PA1812	**Real life management of chronic obstructive pulmonary disease (COPD) in general practice (GP) in Denmark** Anders Løkke (Højbjerg, Denmark), Anders Loekke, Jens Soendergaard, Merete Kjaer Hansen, Soeren Vinther Poulsen, Klaus Roslind, Peter Lange
PA1813	**E-learning feedback method to improve spirometry quality and interpretation in primary care - A randomised intervention study** Michal Bednarek (Warsaw, Poland), Michal Bednarek, Adam Nowinski, Teresa Rayska, Witold Pobozy, Barbara Gebala-Jarocka, Marzena Zaluska, Mariola Kumanska, Grzegorz Augustyniak, Dorota Gorecka
PA1814	**PAL feasibility test results in the setting of primary health care in Macedonia** Biljana Ilievska Poposka (Skopje, FYROM (Macedonia)), Biljana Ilievska Poposka, Maja Zakoska, Stefan Talevski
PA1815	**Accuracy of questionnaire with peak flow for diagnosis of airway obstruction and differentiating between asthma and COPD** Rahul Kodgule (Pune, India), Rahul Kodgule, Yogesh Thorat, Sundeep Salvi
PA1816	**Innovative tools for improving medication adherence in asthma clinic at Srinagarind Hospital** Chanee Samosorn (Khonkaen, Thailand), Chanee Samosorn, Pinyo Rattanaphan, Watchara Boonsawat
PA1817	**What influences change in health status in COPD in a seven year follow-up?** Karin Lisspers (Gagnef, Sweden), Josefin Sundh, Scott Montgomery, Christer Janson, Mary Kämpe, Anna Källander, Björn Ställberg, Karin Lisspers
PA1818	**Asthma management in French general practice: Physician-reported medical care and adherence support** Alexandra Dima (Amsterdam, Netherlands), Alexandra Lelia Dima, Eric Van Ganse, Helene Le Cloarec, Marijn De Bruin
PA1819	**External validation of a decision support system for respiratory primary care patients: A study of diagnostic accuracy** Esther Metting (Groningen, Netherlands), Esther Metting, Richard Dekhuizen, Niels Chavannes, Jacqueline Muilwijk-Kroes, Hans In 't Veen, Thys Van der Molen
PA1820	**Co-morbidities of COPD in primary care** Karolina Klester (Barnaul, Russian Federation), Karolina Klester, Elena Klester, Elena Boronina, Galina Ermachkova

Room G104-105 Session 220 08:30 - 10:30

Poster discussion: Invasive and surgical procedures: the clinical point of view

Chairs : Stefano Gasparini (Ancona, AN, Italy), Laureano Molins Lopez-Rodo (Barcelona, Spain)

PA1821	**Chest tube clamping in spontaneous pneumothorax: 6 hours versus 24 hours – A randomized pilot study** Ana Margarida Redondo (Porto, Portugal), Margarida Torres Redondo, Inês Neves, Eva Padrão, Veronica Cardoso, Maria Sucena, Adriana Magalhães
PA1822	**Are guidelines of the management of pneumothorax followed? Experience of a Belgian general hospital** Richard Frognier (Jodoigne, Belgium), Richard Frognier, Benoît Robaye
PA1823	**Simple aspiration versus intercostal tube drainage for primary spontaneous pneumothorax: A Cochrane review** Brian Smith (Adelaide, Australia), Brian Smith, Abel Wakai, Kristin Carson, Ronan O'Sullivan, Aileen McCabe

PA1824 **Effect of low tidal volume during general anesthesia for urological procedures on lung functions**
Mohamed Badawy (Luxor, Egypt), Mohamed Badawy, Salah Asieda

PA1825 **Bronchological methods of diagnosis and treatment of recurrent papillomatosis of larynx, trachea, bronchi, and lung**
Valentina Molodtsova (St.Petersburg, Russian Federation), Valentina Molodtsova, Marina Rjabova, Mikhail Ulupov, Mariya Vasiljeva, Aleksandr Prudnikov, Svetlana Starevskaya

PA1826 **Success rates of talc slurry pleurodesis - A 2 years review**
Andreea Alina Ionescu (Penarth, Vale of Glamorgan, United Kingdom), Joy Thomas, Julie Bonsall, Alina Ionescu

PA1827 **Identifying false exudates by albumin and protein gradients in patients with heart failure and hepatic hydrothorax**
Rosa Mirambeaux Villalona (Madrid, Spain), Rosa Mirambeaux Villalona, Paola Arrieta Narvaez, Maria Alejandra Galarza Jimenez, Deisy Barrios Barreto, Esteban Pérez Rodriguez

PA1828 **Draining pleural effusions before radiological imaging does not improve diagnostic capability**
John Corcoran (Oxford, United Kingdom), John Corcoran, Louise Acton, Asia Ahmed, Robert Hallifax, Ioannis Psallidas, John Wrightson, Najib Rahman, Fergus Gleeson

PA1829 **Cases of undiagnosed pleural effusion although video-assisted thoracoscopic biopsy**
Ayse Irem Kiliç (Istanbul, Turkey), Ayse Irem Kiliç, Dilem Anil Tokyay, Fatma Tokgöz Akyil, Aysun Misirlioglu, Emine Aksoy, Mustafa Akyil, Tülin Sevim

PA1830 **Pulmonary artery stump thrombosis related to surgical cut procedure**
Yu Okubo (Kobe, Japan), Yu Okubo, Hiroshi Hamakawa, Kazuhiro Minami, Ichiro Sakanoue, Yutaka Takahashi

PA1831 **Recovery of nasal airway and its impact on sleep disordered breathing**
Irina Morsikyan (Yerevan, Armenia), Irina Morsikyan, Gegham Khandanyan, Mikhail Narimanyan, Artur Shukuryn

PA1832 **Surgical risk, functional outcomes, and late survival after lung volume reduction surgery (LVRS): Report of one hundred consecutive surgical cases**
Mark Ginsburg (New York, United States of America), Mark Ginsburg, Byron Thomashow, William Bulman, Patricia Jellen, Beth Whippo, Joshua Sonett

PA1833 **Our cases with pulmonary hydatid cysts**
Füsun ahin (Istanbul, Turkey), Füsun Sahin, Fulya Omak, Nihat Karadag, Pinar Yildiz

PA1834 **Bronchoscopic findings in patients with gastroesophageal reflux (GER) and dry cough**
Josipa Kokeza (Split, Croatia), Suzana Mladinov, Josipa Kokeza, Vide Popovic, Ivan Gudelj, žarko Ardalic, Kornelija Miše

PA1835 **Laparoscopic antireflux surgery as a treatment for chronic cough**
Jan Koetje (Zwolle, Netherlands), Jan H. Koetje, V.B. Nieuwenhuijs, H.L. Van Westreenen, K.W. Patberg, J.W.K. Van den Berg

PA1836 **Clinical and angiographic characteristics of 35 patients with cryptogenic hemoptysis**
Takahiro Ando (Tokyo, Japan), Takahiro Ando, Masahiro Kawashima, Naoaki Watanabe, Masahiro Ohgiya, Kenichi Okuda, Nobuharu Ohshima, Kimihiko Masuda, Hirotoshi Matsui, Atsuhisa Tamura, Hideaki Nagai, Shinobu Akagawa, Ken Ohta

Room G106-107 Session 221 08:30 - 10:30

Poster discussion: Pneumonia: determinants of clinical outcomes and potential strategies to improve its management

Chairs : Eric Mortensen (Dallas, United States of America), Ignacio Martin-Loeches (Dublin, Ireland)

PA1837 **Influence of prior nonsteroidal anti-inflammatory steroidal drugs (NSAID) on the presentation and evolution of hospitalized community-acquired pneumonia**
Bruno Philippe (Pontoise, France), Clementine Samain, Gabriel Thabut, Jean-Francois Boitiaux, Stephanie Pham, Francois Senechal, Bruno Philippe

PA1838 **Medications associated with the incidence of recurrent pneumonia in Japanese elderly population**
Tomoko Ishifuji (Nagasaki-shi, Japan), Tomoko Ishifuji, Eiichiro Sando, Norihiro Kaneko, Motoi Suzuki, Makito Yaegashi, Masahiro Aoshima, Koya Ariyoshi, Konosuke Morimoto, Adult Pneumonia Study Group - Japan

PA1839 **Could the early administration of antibiotics before admission improve the prognosis of pneumonia?**
Hiromasa Tachibana (Kurashiki-city, Japan), Hiromasa Tachibana, Tadashi Ishida, Akihiro Ito, Takuya Takaiwa, Yuhei Ito, Machiko Arita, Hroshige Yoshioka

PA1840 **The impact of comorbidities on the in-hospital mortality in patients with community-acquired pneumonia**
Darina Miteva (Varna, Bulgaria), Darina Miteva, Yordan Radkov, Vanya Kostadinova, Anna Dyakova

PA1841 **Community-acquired pneumonia--Impacts of diabetes mellitus as a comorbidity: A prospective, observational study**
Adamadia Liapikou (Athens, Greece), Sotiria Makrodimitri, Anastasia Kosmidou, Ioanna Avgerinou, Panagiotis Petras, Katerina Dimakou, Ioannis Dimitroulis, Michael Toumbis, Adamantia Liapikou

PA1842 **Impact of bacterial coinfection on clinical outcomes in pneumococcal pneumonia**
Shogo Kumagai (Kurashiki, Japan), Shogo Kumagai, Tadashi Ishida, Hiromasa Tachibana, Yuhei Ito, Akihiro Ito, Toru Hashimoto

PA1843 **The effect of macrolide-resistance on the outcome of patients hospitalized for streptococcus pneumoniae pneumonia**
Catia Cilloniz Campos (Barcelona, Spain), Catia Cilloniz, Richard Albert, Adamanthia Liapikou, Albert Gabarrus, Ernesto Rangel, Josep Mensa, Antoni Torres

PA1844 **Outcome in bacteraemic pneumococcal pneumonia in non-frail elderly patients**
Leyre Serrano Fernandez (Bilbao (Bizkaia), Spain), Luis Alberto Ruiz, Rafael Zalacain, Alberto Capelastegui, Ainhoa Gomez, Leyre Serrano, Sonia Castro, Marta Garcia, Carmen Jaca, Pedro Pablo España

PA1845 **Prognostic factors of the patients admitted to intensive care unit with nursing and healthcare-associated pneumonia**
Myoung Kyu Lee (Wonju, Republic of Korea), Myoung Kyu Lee, Sanh-Ha Kim, Suk Joong Yong, Ye-Ryung Jung, Won-Yeon Lee

PA1846 **[2]Many-armed" CD4: Why it is necessary to count blood CD4 at patient with severe community-acquired pneumonia (CAP)?**
Kseniia Bielosludtseva (Dniepropetrovsk, Ukraine), Tetyana Pertseva, Tetyana Kireyeva, Kseniia Bielosludtseva

PA1847 **Whether there are pharmacoeconomic and other advantages of using procalcitonin-guide antibacterial treatment in patients with severe community-acquired pneumonia in developing countries?**
Kseniia Bielosludtseva (Dniepropetrovsk, Ukraine), Tetyana Pertseva, Tetyana Kireyeva, Kseniia Bielosludtseva

PA1848 **Intrapleural tPA increases pleural fluid output in pleural infection, independent of chest X-ray opacification**
John Wrightson (Oxford, United Kingdom), John Wrightson, John Corcoran, Ioannis Psallidas, Robert Hallifax, Nick Maskell, Najib Rahman

PA1849 **Implement "care bundle" and reduce aspiration pneumonia in hospitalised patients**
Syed Mehdi (Bolton, United Kingdom), Syed B. Mehdi, Peppa Denny, Sarah Simm, Alison Unsworth, Abdul Ashish

PA1850 **Bundles for the prevention of ventilator-associated pneumonia in a Brazilian hospital**
Paulo Magalhães (Santa Cruz, Brazil), Paulo Magalhães, Marina Magalhães, Bárbara Silva, Maria Duarte, Marcos Almeida, Diego Dantas

PA1851 **The impact of adherence to guidelines for hospitalized community-acquired pneumonia on health outcomes and mortality: A retrospective cohort study**
Elisa Costantini (Saluggia, Italy), Elisa Costantini, Elias Allara, Filippo Patrucco, Piero Emilio Balbo

PA1852 **Risk of hospitalization due to pneumococcal pneumonia in adults in Spain. The CORIENNE study**
Isabel Cifuentes Otero (Alcobendas (Madrid), Spain), Angel Gil de Miguel, Ruth Gil-Prieto, Alejandro Alvaro-Meca, Pedro Campuzano, Isabel Cifuentes, Cristina Méndez

PA1853 **Invasive pneumococcal disease (IPN) and pneumococcal vaccination in our setting**
Maria Jose Galvez Medina (Madrid, Spain), M.J. Galvez, A. Ramos, A. Delgado-Iribarren, J. Solano, B. Steen

PA1854 **Impact of the vaccination campaign on pneumococcal pneumonia after the great East Japan earthquake**
Daisuke Jingu (Shiogama, Miyagi, Japan), Daisuke Jingu, Takehiro Yajima, Satoshi Ubukata, Makoto Shoji, Hiroshi Watanabe, Hiroshi Takahashi

Room 13.2 Session 222 08:30 - 10:30

Poster discussion: Neonatal and paediatric intensive care

Chairs : Kajsa Bohlin (Stockholm, Sweden), Ewa Henckel (Stockholm, Sweden)

PA1855 **Strain-specific susceptibility towards ventilator-induced lung injury in infant rats**
Francesco Greco (Lucern, Switzerland), Francesco Greco, Susanne Wiegert, Jörg Ersch, Cannizzaro Vincenzo

PA1856 **Regional distribution of chest wall displacements in infants during high frequency oscillatory ventilation (HFOV)**
Emanuela Zannin (Milan, Italy), Martina Perego, Emanuela Zannin, Lara Marconi, Giulia Dognini, Maria Luisa Ventura, Tiziana Fedeli, Paolo Tagliabue, Raffaele Dellaca'

PA1857 **Resonance frequency of the respiratory system in premature infants receiving high frequency oscillatory ventilation (HFOV)**
Emanuela Zannin (Milan, Italy), Lara Marconi, Giulia Dognini, Martina Perego, Paolo Tagliabue, Tiziana Fedeli, Emanuela Zannin, Raffaele Dellaca', Maria Luisa Ventura

PA1858	**Small airway hyperresponsiveness is associated with impaired alveolar development in a mouse model of bronchopulmonary dysplasia** Jane Bourke (Clayton, Australia), Jane Bourke, Maggie Lam, Simon Royce, Marcel Nold, Claudia Nold
PA1859	**Prognostic factors for the outcome of congenital omphalocele** Christian Bieli (Basel, Switzerland), Christian Bieli, Selina Krautter, Annina Zweig, Ueli Möhrlen, Andreas Jung, Alexander Möller
PA1860	**Carbon dioxide sensitivity and caffeine therapy in the prematurely born infant** Thomas Rossor (London, United Kingdom), Thomas Rossor, Gerrard Rafferty, Anne Greenough
PA1861	**Airway pressure during nasal high flow and CPAP in neonates** Pavel Mazmanyan (Yerevan, Armenia), Pavel Mazmanyan, Mari Darakchyan, Sheng Feng, Stanislav Tatkov
PA1862	**Ventilatory responses to hypercarbia in infants of smoking and substance abusing mothers at the high risk age for sudden infant death syndrome** Kamal Ali (London, United Kingdom), Kamal Ali, Thomas Rossor, Ravindra Bhat, Kim Wolff, Simon Hannam, Gerrard Rafferty, Anne Greenough
PA1863	**Volume targeted versus pressure limited ventilation in term born infants** Prashanth Bhat (Greater London, United Kingdom), Prashanth Bhat, Olie Chowdhury, Sandeep Shetty, Simon Hannam, Gerrard Rafferty, Janet Peacock, Anne Greenough
PA1864	**Congenital diaphragmatic hernia (CDH) – Influence of fetoscopic tracheal occlusion on outcomes** Kamal Ali (London, United Kingdom), Kamal Ali, Perraju Bendapudi, Satamaanasa Polubothu, Gwendolyn Andradi, Mercy Ofuya, Janet Peacock, Ann Hickey, Mark Davenport, Kypros Nicolaides, Anne Greenough
PA1865	**Acid and non acid gastro-oesophageal reflux and apnoea in infants** Thomas Rossor (London, United Kingdom), Thomas Rossor, Ingran Lingam, Ravindra Bhat, Anne Greenough
PA1866	**Deficiency or inhibition of lysophosphatidic acid receptor 1 protects against hyperoxia-induced lung injury in neonatal rats** Xueyu Chen (Leiden, Netherlands), Xueyu Chen, Frans Walther, Ruben Van Boxtel, El Houari Laghmani, Rozemarijn Sengers, Gert Folkerts, Edwin Cuppen, Gerry Wagenaar
PA1867	**Diffuse pulmonary development disorders- Molecular definable causes of pulmonary hypertension in the mature newborn** Meike Hengst (Munich, Germany), Meike Hengst, Nicolaus Schwerk, Jost Wigand Richter, Hans Fuchs, Lars Welzing, Mathias Klemme, Matthias Griese
PA1868	**In vitro evaluation of a spacer in a pediatric model of mechanical ventilation** Nabile Boukhettala (Tours, France), Nabile Boukhettala, Patrice Diot, Thierry Porée, Laurent Vecellio
PA1869	**Humidified high flow nasal cannula (HFFNC) and continuous positive airways pressure (CPAP) in infants with evolving bronchopulmonary dysplasia (BPD)** Sandeep Shetty (London, United Kingdom), Sandeep Shetty, Gerrard Rafferty, Anne Greenough
PA1870	**Factors associated with prolonged mechanical ventilation in children undergoing cardiac surgery** Bárbara Silva (Olinda, Brazil), Taline Ribeiro, Paulo Magalhães, Lívia Andrade, Bárbara Silva, Maria do Carmo Duarte
PA1871	**Safety and efficacy of high-flow nasal cannula therapy in preterm infants: A systematic review and meta-analysis** Mallinath Chakraborty (Cardiff, United Kingdom), Mallinath Chakraborty, Sarah Kotecha, Roshan Adappa, Nakul Gupta, William Watkins, Sailesh Kotecha

Room E102 Session 223 08:30 - 10:30

Poster discussion: Molecular pathways of lung injury due to tobacco-related products

Chairs : Paraskevi Katsaounou (Athens, Greece), Hiroo Wada (Tokyo, Japan)

PA1872	**The activity of metalloproteinase and their inhibitors in cerebral arteries in smokers** Vera Nevzorova (Vladivostok, Primorsky Krai, Russian Federation), Vera Nevzorova, Elena Gonchar, Nataliya Zacharchuk, Anastasiia Sakovskaia
PA1873	**Effect of transcranial direct current stimulation on tobacco consumption: A randomized placebo-controlled trial** Aurelie Le Borgne (Toulouse, France), Aurélie Le Borgne-Krams, Rose-Marie Rouquet, Marion Simonetta-Moreau, Claire Thalamas, Gérard Tap, Ivan Berlin, Alain Didier
PA1874	**Cotinine level is associated with asthma severity in passive smoker children** Shabnbam Eslampanah Nobari (Tehran, Islamic Republic of Iran), Shabnam Eslampanah Nobari, Maryam Hassanzad, Soheila Khalilzade, Mohmmadreza Bolorsaz, Sabere Tashayoe, Seyed Amir Mohajarani, Hooman Sharifi, Aliakbar Velayati

PA1875	**Effects of secondhand smoking on mucociliary clearance and autonomic nervous systems in Brazilian adults** Ana Paula Coelho Figueira Freire (Presidente Prudente, Brazil), Ana Paula Coelho Figueira Freire, Dionei Ramos, Juliana Souza Uzeoto, Bruna Spolador de Alencar Silva, Marceli Rocha Leite, Renata Marques David, Fabiano Francisco de Lima, Iara Buriola Trevisan, Gabriel Santa Brigida, Giovanna Altero Arevalo, Guilherme Yassuyuki Tacao, Francis Lopes Pacagnelli, Giovana Navarro Bertolini, Ercy Mara Cipulo Ramos
PA1876	**The impact of smoking on respiratory infections in HIV-infected patients** Iosif Marincu (Timisoara, Romania), Iosif Marincu, Emilian Popovici, Stefan Frent, Nicoleta Bertici, Stefan Mihaicuta
PA1877	**Comparison of autonomic nervous system activity between smokers and non-smokers under hypoxic conditions** Kiril Terziyski (Plovdiv, Bulgaria), Zdravko Taralov, Kiril Terziyski, Peter Dimov, Blagoi Marinov, Stefan Kostianev
PA1878	**Mucociliary clearance of smokers after physical effort submaximal and maximal** Renata David (Presidente Prudente, Brazil), Renata Marques David, Ercy Mara Cipulo Ramos, Gabriel Faustino Santa Brígida, Guilherme Yassuyuki Tacao, Iara Buriola Trevisan, Ana Paula Coelho Figueira Freire, Juliana Tiyaki Ito, Juliana Uzeloto de Souza, Fabiano Francisco de Lima, Marceli Rocha Leite, Dionei Ramos
PA1879	**The influence of smoking on capnometry lung ventilation parameters in chronic obstructive pulmonary disease patients** Liudmyla Iashyna (Kiev, Ukraine), Yuriy Feshchenko, Liudmyla Iashyna, Svitlana Opimakh, Victoria Ignatieva, Marina Polianska, Svitlana Moskalenko
PA1880	**Comparative study on lung cancer cannabis subjects, not cannabis** Qassimi Loubna (Casablanca, Morocco), Wiam El Khattabi, Loubna Qassimi, Hasna Jabri, Hicham Afif
PA1881	**Histo-pathological co-relations between smoked and smokeless tobacco in patients with oral cancers in Karachi, Pakistan** Aneel Bhagwani (Karachi, Pakistan), Aneel Bhagwani, Shazia Barakzai, Moiz Khan, Naveen Faridi
PA1882	**Relation of oxidant-antioxidant status with cardiovascular morbidity in Pan Masala containing tobacco (PMT) users** Sanjeeb Shrestha (Dharan, Sunsari, Nepal), Sanjeeb Shrestha
PA1883	**Effects of smoking cessation on serum leptin and adiponectin levels** Maria Kryfti (Nicosia, Cyprus), Maria Kryfti, Vasilis Galenterides, Katerina Dimakou, Michail Toumbis, Gourgoulianis Konstantinos
PA1884	**Effect of smoking on lung function in adult-onset asthma** Minna Tommola (Seinäjoki, Finland), Minna Tommola, Pinja Ilmarinen, Leena Tuomisto, Jussi Haanpää, Hannu Kankaanranta
PA1885	**The AMPK-TSC1/2-mTOR signaling pathway regulates cigarette smoking-induced inflammation and apoptosis in airway epithelial cells** Juan Liu (HangZhou, China), Juan Liu, Wen Li, Songmin Ying, Huahao Shen, Zhihua Chen
PA1886	**Correlation between exposure to secondhand smoke load and hemodynamic parameters, lung function and autonomic nervous system** Juliana Uzeloto (Anhumas, Brazil), Juliana Souza Uzeloto, Dionei Ramos, Ana Paula Coelho Figueira Freire, Bruna Soplador de Alencar Silva, Marceli Rocha Leite, Renata Marques David, Fabiano Francisco de Lima, Iara Buriola Trevisan, Gabriel Faustino Santa Brígida, Giovanna Altero Arevalo, Guilherme Yassuyuki Tacao, Ercy Mara Cipulo Ramos
PA1887	**Smoking increases perioperative risk for coronary surgery** Filipe Leite (Coimbra, Portugal), Filipe Leite, Pedro Antunes, Manuel Antunes

Room D201-202 Session 224 08:30 - 10:30

Poster discussion: Animal studies of asthma and other inflammatory conditions

Chairs : Anders Linden (Stockholm, Sweden), Ruby Pawankar (Tokyo, Japan)

PA1888	**A phosphatidylinositol 3-kinase Inhibitor strongly suppressed pulmonary vascular remodeling in a murine model of allergic vasculitis** Kohei Yamauchi (Morioka, Japan), Yuka Oikawa, Nobuhito Sasaki, Miyuki Niisato, Yutaka Nakamura, Kohei Yamauchi
PA1889	**NLRP3 inflammasome is activated via phosphoinositide 3-kinase pathway in Aspergillus fumigatus-induced allergic airway inflammation** Yong Chul Lee (Jeonju, Republic of Korea), Yong Chul Lee, So Ri Kim, Kyung Bae Lee, Hae Jin Park, Jae Seok Jeong
PA1890	**Inflammatory and functional responses after (bio)diesel exhaust exposure in an asthmatic mice model – A comparison between diesel and biodiesel** Tirza Timmerman (Groningen, Netherlands), Tirza Timmerman, Ana Julia De Faria Coimbra Lichtenfels, Dolores Ferreira Rivero, Fernanda Arantes Costa, Thais Mauad

PA1891	**Immunohistochemical study on changes of mast cell populations during allergic airway inflammation in mice using HDM model** David Schmit (Homburg, Germany), David Schmit, Duc Dung Le, Sebastian Heck, Christoph Beisswenger, Christian Herr, Robert Bals, Quoc Thai Dinh
PA1892	**Adoptive Treg transfer to Foxp3-deficient mice prevents bronchus-associated lymphoid tissue formation** Jelena Skuljec (Hannover, Germany), Jelena Skuljec, Christine Happle, Anika Lorenz, Gesine Hansen
PA1893	**HDM-challenged mice exhibit impaired interferon response to TLR3 ligand in a murine model of viral asthma exacerbation** Hamid Akbarshahi (Lund, Sweden), Hamid Akbarshahi, Mandy Menzel, Lena Uller
PA1894	**Regulatory B cell development by helminth-derived antigens** Hermelijn H. Smits (Leiden, Netherlands), Simone Haeberlein, Lucien E. Van der Vlugt, Nicole N. Driessen, Arifa Ozir-Fazalalikhan, Henrike Veninga, Joke M. Den Haan, Cornelis H. Hokke, Maria Yazdanbakhsh, Hermelijn H. Smits
PA1895	**Schistosome-induced pulmonary B cells inhibit allergic airway inflammation and display a reduced Th2-driving function** Katja Obieglo (Älvsjö/Stockholm, Sweden), Luciën E.P.M. Van der Vlugt, Katja Obieglo, Arifa Ozir-Fazalalikhan, Tim Sparwasser, Simone Haeberlein, Hermelijn H. Smits
PA1896	**TLR 7/8 agonist resiquimod alleviates murine allergic asthma through IL-27 production and up regulation of B7-H1 on antigen presenting cells** Adan Chari Jirmo (Hannover, Germany), Kathleen Daluge, Adan Chari Jirmo, Mandy Busse, Gesine Hansen
PA1897	**Pim1 kinase activity preserves airway epithelial integrity upon house dust mite exposure** Maaike de Vries (Groningen, Netherlands), Maaike De Vries, Laura Hesse, Maarten Van den Berge, Antoon Van Oosterhout, Irene Heijink, Martijn Nawijn
PA1898	**Deciphering the link between COPD and lung cancer: Cigarette smoke-induced immunosuppression at the crossroads between cancer immune surveillance and escape** Dimitra Kerdidani (Athens, Greece), Dimitra Kerdidani, Konstantinos Glynos, Sophia Magkouta, Giorgos Kazamias, Vassiliki Karavana, Charis Roussos, Dimitra Rontogianni, Ioannis Kalomenidis, Spyros Zakynthinos, Maria Tsoumakidou
PA1899	**B cells in a murine model of allergic asthma and respiratory tolerance** Anika Lorenz (Hannover, Germany), Anika Lorenz, Ann-Kathrin Behrendt, Almut Meyer-Bahlburg, Gesine Hansen
PA1900	**Activin-A is a critical inducer of human $CD4^{+}ICOS^{+}$IL-10-secreting regulatory T cells that suppress allergen-driven T cell responses in vitro and experimental asthma in a humanized mouse model in vivo** Sofia Tousa (Athens, Greece), Sofia Tousa, Maria Semitekolou, Ioannis Morianos, Aggelos Banos, Aikaterini Trochoutsou, Tess Brodie, Nikos Poulos, Konstantinos Samitas, Maria Kapasa, Giannis Paraskevopoulos, Mina Gaga, Catherine Hawrylowicz, Federica Sallusto, Georgina Xanthou
PA1901	**Tiotropium inhibits airway inflammation and goblet cell metaplasia in a model of relapsing asthma in mice** Stan de Kleijn (Leiden, Netherlands), Stan De Kleijn, Yolanda Van Wijck, Veerle Kremer, Hermelijn Smits, Michael Pieper, Pieter Hiemstra, Christian Taube
PA1902	**Mouse pathway biology models: Investigating the biology of alternaria alternata induced lung inflammation in the mouse - Role of ILC2 and Th2 cytokines** Milenko Cicmil (Boston, United States of America), Michael Caniga, Jie Zhang-Hoover, Adam Hartigan, Alan Byford, Erica Lecese, Robert Faltus, Janice Woodhouse, Malgorzata Gil, Rene De Waal Malefyte, Milenko Cicmil
PA1903	**Matrix metalloproteinase-2 is protective in bleomycin-induced pulmonary fibrosis** Atsushi Tomaru (Mie, Japan), Atsushi Tomaru, Esteban Gabazza, Tetsu Kobayashi, Hiroyasu Kobayashi, Osamu Taguchi, Takehiro Takagi, Masahiro Oonishi, Kentaro Fujiwara, Corina D'Alessandro Gabazza, Yoshihiro Takahashi, Kentaro Urata
PA1904	**IL-37 requires IL18R and SIGIRR to diminish experimental allergic airway inflammation in mice** Lars Lunding (Borstel, Germany), Lars Lunding, Sina Webering, Christina Vock, Alexandra Schröder, Diana Raedler, Bianca Schaub, Heinz Fehrenbach, Michael Wegmann
PA1905	**Characterization of an acute influenza infection in a murine model of allergic asthma and responses to corticosteroid** Boska Hrvacic (Zagreb, Croatia), Boska Hrvacic, Martina Bosnar, Mihailo Banjanac, Ines Glojnaric

Room 7.1 Session 229 10:45 - 12:45

Grand round: Lung cancer: the need for a multidisciplinary approach - an interactive session

Aims : To promote a multidisciplinary approach to lung cancer treatment.

Track(s) : Oncology

Target audience : Pneumologists, medical oncologist, radiation oncologists, thoracic surgeons, nuclear medicine physicians, radiologists, and pathologists.

Chairs : Anne-Pascale Meert (Brussels, Belgium), Prasanta R. Mohapatra (Bhubaneswar, India)

10:45	**A case of marginally operable bilateral non-small cell carcinoma** Alessandro Brunelli (Leeds, United Kingdom)	**1935**
11:15	**MDT interaction in two comparable NSCLC stage IIIA patients** Torsten Gerriet Blum (Berlin, Germany)	**1936**
11:45	**A case study of oligometastatic lung adenocarcinoma** Michael Duruisseaux (Grenoble, France)	**1937**
12:15	**Toxicity of SBRT: threat or alarmism?** Ursula Nestle (Freiburg, Germany)	**1938**

Room Auditorium Session 230 10:45 - 12:45

Symposium: Individualised risk reduction strategies for patients with COPD

Aims : To provide an introduction to the clinically important inflammatory phenotypes of COPD, show that the blood eosinophil count is a valid biomarker of risk and risk reduction with inhaled steroids, review the recent findings of studies on inhaled steroid add-on in cohorts that were stratified by baseline blood eosinophil count and detail the factors that associate with a positive response to macrolides.

Tag(s) : Translational

Target audience : Clinicians, and primary and secondary care physicians.

Chairs : Guy Brusselle (Ghent, Belgium), Ian Douglas Pavord (Oxford, United Kingdom)

10:45	**Inflammatory phenotypes of COPD** Peter Gibson (Newcastle, Australia)	**1939**
11:15	**The blood eosinophil count as a biomarker in COPD** Mona Bafadhel (Oxford, United Kingdom)	**1940**
11:45	**The eNose as a predictor of disease severity and treatment response** Peter Sterk (Amsterdam, Netherlands)	**1941**
12:15	**Macrolides for COPD: factors associated with treatment success** Meilan Han (Ann Arbor, United States of America)	**1942**

Room 7.2 Session 231 10:45 - 12:45

Symposium: Nutrition in chronic respiratory disease

Aims : This session is on the role of diet and nutrients in respiratory health. Its aims are to provide an overview of the ERS statement on COPD and nutrition, and the cost effectiveness of interventions; to describe nutritional assessment methods and the value of nutritional intervention; to review how nutritional interventions improve performance and can serve as adjuncts to pulmonary rehabilitation; to highlight the importance of nutritional support in critical illness; and to describe the impact of diet on the risk of cardiovascular and respiratory disease from an epidemiological perspective.

Tag(s) : Clinical

Target audience : All clinicians involved in the acute and chronic care of patients with chronic respiratory disease, including those involved in rehabilitation (physician/physiotherapists/nurses and dieticians), and in the ICU.

Chairs : Frits M.E. Franssen (Horn, Netherlands), Sally J. Singh (Leicester, United Kingdom)

10:45	**State-of-the-art: nutrition in COPD** Annemie Schols (Maastricht, Netherlands)	**1943**
11:15	**Can nutrition improve performance in COPD?** Michael Steiner (Leicester, United Kingdom)	**1944**
11:45	**Nutrition in critically-ill patients** Nicholas Hart (London, United Kingdom)	**1945**
12:15	**Cardiovascular risk and respiratory disease: the influence of diet** Raphaëlle Varraso (Villejuif, France)	**1946**

Room Elicium 2 Session 232 10:45 - 12:45

Symposium: Does sleep apnoea impact cognitive function?

An ERS/ESRS joint session

Aims : To bring together the combined expertise in both the ERS and ESRS in the area of neurocognitive function in relation to sleep, specifically sleep-disordered breathing. The current state of the art in the field, the controversies, and the knowledge deficits will be discussed. At the end of the session, participants will understand the impact of sleep deprivation on neurocognitive function in humans; be aware of the basic methods for evaluating neurocognitive function in humans, including imaging methods; understand the potential impact of sleep-disordered breathing on memory, executive function, and cognitive performance (areas of controversy and uncertainty will be highlighted); and be aware of important trials (and their limitations) in the area of sleep-disordered breathing and its treatment with CPAP.

Track(s) : Sleep

Tag(s) : Translational

Target audience : Physicians from any specialty who deal with sleep disorders and sleep-disordered breathing patients, allied health professionals working in the field of sleep, psychologists, and neurocognitive researchers engaged in the field of sleep.

Chairs : Wilfried De Backer (Edegem (Antwerp), Belgium), Walter McNicholas (Dublin, Ireland)

10:45	**The effect of sleep deprivation on neurocognitive function in humans: age, chronicity or plasticity?** Philippe Peigneux (Brussels, Belgium)	**1947**
11:15	**How we evaluate neurocognitive function: limitations and insights** Johanna Schwarz (Stockholm, Sweden)	**1948**
11:45	**The impact of sleep-disordered breathing on the human brain: from children via mice, to adults** Mary Morrell (London, United Kingdom)	**1949**
12:15	**The impact of CPAP on neurocognitive function in sleep-disordered breathing: why are the signals so weak?** Vincenza Castronovo (Milan, Italy)	**1950**

Room 4.2 Session 233 10:45 - 12:45

Symposium: When chronic inflammation drives fibrosis: a lesson from lung transplantation

Aims : The audience will learn about the inflammatory mechanisms that drive chronic lung allograft dysfunction (CLAD), the role that mesenchymal cells play in the pathogenesis of CLAD, how CLAD is diagnosed, and how CLAD patients are classified into different clinical phenotypes. The current CLAD prevention and treatment strategies in lung recipients will also be described.

Tag(s) : Translational

Target audience : Clinicians, surgeons, and basic scientists interested in the mechanisms of inflammation and repair and in the diagnosis and management of lung transplant recipients.

Chairs : Federica Meloni (Pavia, Italy), Bart Vanaudenaerde (Leuven, Belgium)

10:45	**What have we learnt regarding allospecific and aspecific inflammatory mechanisms** Laurent-Pierre Nicod (Lausanne, Switzerland)	**1951**
11:15	**The good and the bad of mesenchymal cells in chronic lung allograft dysfunction (CLAD)** Vibha N. Lama (Ann Arbor, United States of America)	**1952**
11:45	**Different clinical phenotypes of CLAD: diagnosis and outcomes** Geert Verleden (Leuven, Belgium)	**1953**
12:15	**Current and future preventive and treatment strategies in CLAD** Andrew Fisher (Newcastle, United Kingdom)	**1954**

Room 5.2 Session 234 10:45 - 12:45

Symposium: Differentiating COPD exacerbations from pneumonia in COPD patients

Aims : To describe the clinical, biological (biomarkers), and physiological approaches that can be used to differentiate between OPD exacerbations from pneumonia in COPD patients.

Track(s) : Infection

Tag(s) : Clinical

Target audience : Clinicians.

Chairs : Arturo Humberto Huerta Garcia (Barcelona, Spain), Wisia Wedzicha (London, United Kingdom)

10:45	**How can I differentiate community-acquired pneumonia (CAP)+COPD patients from acute exacerbation of COPD (AECOPD) patients?** Antoni Torres Marti (Barcelona, Spain)	**1955**

11:15	**How can I differentiate AECOPD from CAP+COPD patients?** John R Hurst (London, United Kingdom)	**1956**
11:45	**Are there new biomarkers that might help to differentiate AECOPD from CAP+COPD?** Daiana Stolz (Basel, Switzerland)	**1957**
12:15	**Should we change our antibiotic strategy in AECOPD or CAP+COPD patients?** Stefano Aliberti (Milan, Italy)	**1958**

Room Elicium 1 Session 235 10:45 - 12:45

Hot topics: E-cigarettes: a wolf in sheep's clothing or a sheep in wolf's clothing?

Aims : To update physicians, investigators, and health allied professionals about the hot topic of e-cigarettes, describe the safety of e-cigarettes and the need for caution when recommending e-cigarette use, present the updated positions of WHO, AHA, FIRS, and ERS in terms of e-cigarette recommendations.

Track(s) : Epidemiology/Environment

Tag(s) : Healthy Lungs for Life (HLfL)

Target audience : Clinicians, nurses, all health professionals (both in pulmonary and non pulmonary discipline) and addiction specialist who would like to be updated with scientific evidences concerning e-cigarettes and the current ERS, FIRS, AHA and WHO positions on e-cigarettes.

Chairs : Carlos Andres Jimenez Ruiz (Madrid, Spain), Bo Lundback (Gothenburg, Sweden)

10:45	**e-cigarette constituents and particle emission** Efthimios Zervas (Patra, Greece)	**1959**
11:15	**The impact of e-cigarettes on the lungs** Robert Foronjy (Scarsdale, United States of America)	**1960**
11:45	**Time for e-cigarette regulation** Constantine Vardavas (Heraklion, Greece)	**1961**
12:15	**e-cigarettes for smoking cessation** Paraskevi Katsaounou (Athens, Greece)	**1962**

Room Forum Session 236 10:45 - 12:45

Oral presentation: Notable abstracts in COPD: variety

Chairs : Eric D. Bateman (Cape Town, South Africa), H. Marike Boezen (Groningen, Netherlands)

OA1963	**LATE-BREAKING ABSTRACT: Biomarkers of ECM turnover and clinical relevant outcomes in COPD: Results of the multicenter PROMISE study** Daiana Stolz (Basel, Switzerland), Daiana Stolz, Jacob Hull Kristensen, Diana Julie Leeming, Morten Asser Karsdal, Tobias Welte, Antoni Torres, Renaud Louis, Wim Boersma, Branislava Milenkovic, Konstantinos Kostikas, Francesco Blasi, Joachim Aerts, Gernot Rohde, Alicia Lacoma, Lucas Boeck, Janko Rakic, Andreas Scherr, Michael Tamm
OA1964	**Irisin is associated with severe exacerbations of COPD independently of lung function, comorbidities and exercise capacity** Daiana Stolz (Basel, Switzerland), Jyotshna Mandal, Michael Roth, Eleni Papakonstantinou, Michael Tamm, Lucas Boeck, Andreas Scherr, Janko Rakic, Renaud Louis, Branislava Milencovic, Wim Boersma, Konstantinos Kostikas, Francesco Blasi, Joachim Aerts, Gernot Rohde, Alicia Lacoma, Antoni Torres, Tobias Welte, Daiana Stolz
OA1965	**Biological and phenomenological markers of ageing in patients with COPD and their relationship to CT emphysema scores** Rudolf A Jörres (Munich, Germany), Tanja Schramm, Angelika Kronseder, Frank Biertz, Hans-Ulrich Kauczor, Dennis Nowak, Rudolf Maria Huber, Martina Kerscher, Rudolf A. Jörres
OA1966	**Distribution of COPD phenotypes according to the Spanish COPD guidelines in clinical practice** Marc Miravitlles (Barcelona, Spain), Marc Miravitlles, Myriam Calle, Juan Luis Rodríguez, Cristina Murio, On Behalf of the FENEPOC Study Group
OA1967	**Daily monitoring parameters of arterial stiffness and central aortic pressure in COPD patients comorbid with arterial hypertension** Tatiana Aksenova (Chita, Zabaykalsky Krai, Russian Federation), Tatiana Aksenova, Vladimir Gorbunov, Sergey Lukyanov, Svetlana Tsarenok, Marina Koshkina
OA1968	**Morning and nighttime symptoms in COPD and efficacy of aclidinium/formoterol in symptomatic vs asymptomatic patients** Marc Miravitlles (Barcelona, Spain), Marc Miravitlles, Esther Garcia Gil, Ferran Chuecos, Rosa Lamarca

OA1969 **Patterns of symptom change measured using the EXACT diary associated with prescription of corticosteroids or antibiotics in COPD exacerbations**
Stefano Vezzoli (Parma, Italy), Stefano Vezzoli, Paul Jones, Massimo Corradi, Géraldine Cohuet, Dave Singh, Jørgen Vestbo, Jadwiga Wedzicha, Stefano Petruzelli

OA1970 **Prospective phase 1 open clinical trial to study the safety of adipose derived mesenchymal stem cells (ADMSCs) in COPD and combined pulmonary fibrosis and emphysema (CPFE)**
Demosthenes Bouros (Athens, Greece), Vassilios Tzilas, Evangelos Bouros, Danae Fourla, Athanasios Zisimopoulos, Nikolaos Papadopoulos, George Koliakos, George Kolios, Ioannis Pneumatikos, Vassilis Aidinis, Agyris Tzouvelekis, Demosthenes Bouros

Room 5.1 Session 237 10:45 - 12:45

Oral presentation: Paediatric asthma and allergy: epidemiology and risk factors

Chairs : Liesbeth Duijts (Rotterdam, Netherlands), Stephen Turner (Aberdeen, United Kingdom)

OA1971 **Early life gut microbial alterations in children diagnosed with asthma by three years of age**
Leah Stiemsma (Vancouver, Canada), Leah Stiemsma, Marie-Claire Arrieta, Pedro Dimitriu, Lisa Thorson, Sophie Yurist-Doutsch, Boris Kuzeljevic, Diana Lefebvre, Padmaja Subbarao, Piush Mandhane, Allan Becker, Malcolm Sears, Kelly McNagny, Tobias Kollmann, The Child Study Investigators, William Mohn, Brett Finlay, Stuart Turvey

OA1972 **Three-dimensional latent class analysis of atopic sensitization in the PASTURE birth cohort**
Alexander Hose (Munich, Germany), Alexander Hose, Markus Ege, Martin Depner, Charlotte Braun-Fahrländer, Juha Pekkanen, Josef Riedler, Jean-Charles Dalphin, Jon Genuneit, Roger Lauener, Petra Ina Pfefferle, Erika Von Mutius

OA1973 **Sensitisation as a predictor of asthma development among wheezing toddlers in secondary healthcare**
Nienke Boersma (Utrecht, Netherlands), Nienke Boersma, Ruud Meijneke, Johannes Kelder, Walter Balemans

OA1974 **Bronchial hyperreactivity in young children is an independent risk factor for later asthma**
Florian Singer (Zurich, Switzerland), Florian Singer, Valentina Marcaccini, Christina Weingarten, Demet Inci, Shannon J. Simpson, Graham L. Hall, Fritz Horak jr, Alexander Moeller

OA1975 **Does breastfeeding protect against childhood eczema?**
Jingying Wang (Ma'anshan, China), Jingying Wang, Alban Ramette, Maja Jurca, Florian Halbeisen, Caroline Beardsmore, Claudia Kuehni

OA1976 **The prevalence of atopy in asthma in a longitudinal birth cohort**
Louisa Owens (Perth, Australia), Louisa Owens, Peter Le Souef, Ingrid Laing, Guicheng Zhang, Steven Turner, David Mullane, Desmond Cox, Jack Goldblatt

OA1977 **An increase in the severity of rhinitis and a reduction in severity of wheezing and eczema in 12- to 15- year old Maltese children over two decades (ISAAC-Malta)**
Eleanor Gerada (Paola, Malta), Eleanor Gerada, Hugo Agius Muscat, Liberato Camilleri, Stephen Montefort

OA1978 **Allergic comorbidities and lung function in adolescence - Data from the BAMSE cohort**
Jenny Hallberg (Stockholm, Sweden), Jenny Hallberg, Natalia Ballardini, Anna Bergström, Per Gustafsson, Inger Kull, Gunnar Lilja, Göran Pershagen, Magnus Wickman, Erik Melén

Room 13.1 Session 238 10:45 - 12:45

Oral presentation: Clinical physiology: mechanisms of symptoms and exercise limitations in health and disease

Chairs : Pierantonio Laveneziana (Paris, France), Samuel Verges (Grenoble, France)

OA1979 **Heterogeneity of blood flow and metabolism in exercising muscle by near-infrared spectroscopy (NIRS) in COPD patients**
Zafeiris Louvaris (Agia Paraskevi, Attica, Greece), Zafeiris Louvaris, Ioannis Vogiatzis, Helmut Habazettl, Andreas Asimakos, Harrieth Wagner, Spyros Zakynthinos, Peter Wagner

OA1980 **Effect of beta$_2$-adrenergic stimulation on thigh oxygen uptake and lactate accumulation at rest and during exercise**
Johan Onslev (Copenhagen, Denmark), Johan Onslev, Anders Kalsen, Jens Bangsbo, Vibeke Backer, Morten Hostrup

OA1981 **Lung clearance index and exercise capacity among children with CF and non-CF bronchiectasis over a two year period**
Elpida Hatziagorou (Thessaloniki, Greece), Elpis Hatziagorou, Petrina Vantsi, Vasiliki Avramidou, Asterios Kampouras, Fotios Kirvassilis, Vasiliki Georgopoulou, Maria Karailidou, John Tsanakas

OA1982 **Exercise ventilatory inefficiency is an independent predictor of mortality in COPD**
Abdullah Alharbi (Kingston, Canada), Abdullah Alharbi, Daniel Hirai, Danilo Berton, Nadine Abu-Ghazaleh, Katherine Webb, J. Alberto Neder, Denis O'Donnell

OA1983	**Airway resistance and obesity are independent factors for the occurrence of dynamic hyperinflation in asthmatics** Patricia Freitas (Sao Paulo, Brazil), Palmira G. Ferreira, Patricia D. Freitas, Aline G. Silva, Frederico L.A. Fernandes, João M. Salge, Rafael Stelmach, Alberto Cukier, Regina Carvalho-Pinto, Milton A. Martins, Celso R.F. Carvalho
OA1984	**Cardiopulmonary exercise testing in the evaluation of dyspnea in the elderly** Vanessa Yap (Farmington, United States of America), Vanessa Yap, Debapriya Datta
OA1985	**Skeletal muscle oxidative capacity is an independent predictor of physical activity in smokers with and without COPD** Alessandra Adami (Torrance, United States of America), Alessandra Adami, Robert Cao, Janos Porszasz, Richard Casaburi, Harry B. Rossiter
OA1986	**Is cardiopulmonary exercise test useful to indicate heart failure in patients with COPD?** Jose Alberto Neder Serafini (Kingston, Canada), Flavio Arbex, Maria Clara Alencar, Mayron Oliveira, Wladimir Medeiros, Aline Souza, Priscilla Sperandio, Daniel M. Hirai, Denis O'Donnell, J. Alberto Neder

Room 2.1 Session 239 10:45 - 12:45

Oral presentation: Paediatric pulmonary infections: mechanisms and treatment

Chairs : Mark Everard (Perth, Australia), Ahmad Kantar (Bergamo, Italy)

OA1987	**LATE-BREAKING ABSTRACT: Symptomatic rhinovirus infections are associated with a lower diversity of the nasopharyngeal microbiota in infants** Insa Korten (Bern, Switzerland), Insa Korten, Moana Mika, Meri Gorgievski, Maria Teresa Barbani, Klenja Shkipe, Urs Frey, Markus Hilty, Philipp Latzin
OA1988	**Cost-effective management of bronchiolitis in infants: 90% versus 94% oxygen saturation** Kathleen Boyd (Glasgow, United Kingdom), Kathleen Boyd, Emma McIntosh, Steff Lewis, Aryelly Rodriguez, Steve Cunningham
OA1989	**Effect of recombinant 2- -interferon therapy on virologic and immunologic characteristics by children at early age with acute respiratory viral infections** Lidia Kisteneva (Moscow, Russian Federation), Nadezhda Okolysheva, Lidiia Kisteneva, Valentina Malinovskaya, Svyatoslav Cheshik, Elena Ruzhitskaya, Alexey Semenov
OA1990	**Trans-placental transmission of the respiratory syncytial virus** Mark Everard (Perth, Australia), Angela Fonseca, Abha Chopra, Avram Levy, Paul Noakes, Mark Everard
OA1991	**Investigation of the innate antiviral response to respiratory syncytial virus** Gemma Saint (Liverpool, United Kingdom), Gemma Saint, Rosalind Smyth, Brian Flanagan, Paul McNamara
OA1992	**Ciliary and epithelial abnormalities are features of primary ciliopathies** Robert Hirst (Leicester, United Kingdom), Robert Hirst, Andrew Rutman, Gwyneth Williams, Neeta Kulkarni, Chris O'Callaghan
OA1993	**Immunofluorescence analysis and diagnosis of primary ciliary dyskinesia with radial spoke defects** Niki Tomas Loges (Muenster, Germany), Niki Tomas Loges, Adrien Frommer, Rim Hjeij, Christine Edelbusch, Charlotte Jahnke, Johanna Raidt, Claudius Werner, Julia Wallmeier, Jörg Große-Onnebrink, Heike Olbrich, Sandra Cindríc, Yasin Memari, June Kehelet Marthin, Kim Nielsen, Irael Amirav, Kerem Eitan, David Shoseyov, Karsten Haeffner, Mieke Boon, Martine Jaspers, Heymut Omran
OA1994	**Protracted bacterial bronchitis in children: Natural history and risk factors for bronchiectasis** Danielle Wurzel (Kelvin Grove, Australia), Danielle Wurzel, Julie Marchant, Stephanie Yerkovich, John Upham, Helen Petsky, Heidi Smith-Vaughan, Brent Masters, Helen Buntain, Anne Chang

Room 4.1 Session 240 10:45 - 12:45

Oral presentation: Respiratory health across the life course

Chairs : Cecilie Svanes (Bergen, Norway), Simone Accordini (Verona, Italy)

OA1995	**LATE-BREAKING ABSTRACT: Dietary intake and ventilatory function decline in adults from the European Community Respiratory Health Survey (ECRHS)** Vanessa Garcia Larsen (London, United Kingdom), Vanessa Garcia-Larsen, Joachim Heinrich, Ernst Omenaas, Cecilie Svanes, James Potts, Debbie Jarvis, Peter Burney
OA1996	**Fetal and infant growth and childhood lung function** Herman den Dekker (Rotterdam, Netherlands), Herman Den Dekker, Saskia Schipper, Johan De Jongste, Irwin Reiss, Albert Hofman, Vincent Jaddoe, Liesbeth Duijts

OA1997	**Early determinants of cough in French new-born children: The ELFE cohort** Chantal Raherison-Semjen (Pessac, France), Chantal Raherison, Elodie Camiade, Jacques De Blic, Christophe Marguet, Emeline Scherer, Gabriel Reboux, Benedicte Leynaert, Marie-Christine Delmas, Laurence Millon, Marie-Noelle Dufourg, Corinne Bois, Marie-Aline Charles
OA1998	**Peak weight velocity in infancy is negatively associated with lung function in adolescence** Claudia Flexeder (Neuherberg, Germany), Claudia Flexeder, Elisabeth Thiering, Andrea Von Berg, Dietrich Berdel, Barbara Hoffmann, Sibylle Koletzko, Carl-Peter Bauer, Berthold Koletzko, Joachim Heinrich, Holger Schulz
OA1999	**Small airways obstruction is associated with long-term persistence of asthma (EGEA study)** Valerie Siroux (La Tronche, France), Valérie Siroux, Anne Boudier, Maïa Dolgopoloff, Sébastien Chanoine, Jean Bousquet, Frederic Gormand, Jocelyne Just, Nicole Le Moual, Rachel Nadif, Christophe Pison, Raphaelle Varraso, Regis Matran, Isabelle Pin
OA2000	**Childhood wheeze – A risk factor for COPD? A 50-year cohort study** Nargiz Taghiyeva (Aberdeen, United Kingdom), Nara Tagiyeva, Shona Fielding, Graham Devereux, Steve Turner, Graham Douglas
OA2001	**Does physical activity affect spirometric indices in lung-healthy adolescents? Results from the GINIplus & LISAplus birth cohorts** Maia Smith (Oberschleißheim, Germany), Maia Smith, Andrea Von Berg, Dietrich Berdel, Carl-Peter Bauer, Barbara Hoffman, Sibylle Koletzko, Dennis Nowak, Joachim Heinrich, Holger Schulz
OA2002	**15-years mortality in asthma-COPD overlap syndrome (ACOS) elderly population** Claudio Sorino (Como, Italy), Claudio Sorino, Claudio Pedone, Stefano Guerra, Nicola Scichilone

Room Emerald Session 241 10:45 - 12:45

Oral presentation: Advances in asthma and allergy in animal models

Chairs : Christian Taube (Leiden, Netherlands), Apostolos Bossios (Gothenburg, Sweden)

OA2003	**A short splice variant of the tumor suppressor gene CYLD induces allergic airway disease in mice and is also expressed in humans** Sebastian Reuter (Mainz, Germany), Sebastian Reuter, Hendrik Beckert, Helen Meyer-Martin, Ari Waisman, Roland Buhl, Michael Stassen, Christian Taube
OA2004	**Activation of the -catenin pathway by Wnt-1 treatment suppress inflammation in the mouse model of allergic airway disease** Hendrik Beckert (Mainz, Germany), Hendrik Beckert, Helen Meyer-Martin, Christian Taube, Roland Buhl, Sebastian Reuter
OA2005	**The homologous IL-17 cytokines A and F differentially regulate allergic asthma in murine models** Adan Chari Jirmo (Hannover, Germany), Adan Chari Jirmo, Mandy Busse, Kathleen Dalüge, Christine Happle, Anika Lorenz, Immo Prinz, Gesine Hansen
OA2006	**GARP reduces inflammation in a humanized mouse model of allergic airway disease** Helen Meyer-Martin (Mainz, Germany), Helen Meyer-Martin, Susanne A. Hahn, Hendrik Beckert, Joachim Maxeiner, Petra Scholtes, Christian Taube, Roland Buhl, Stephanie Korn, Christian Becker, Helmut Jonuleit, Andrea Tüttenberg, Sebastian Reuter
OA2007	**IL33 and TSLP involvements in influenza-induced exacerbation in a murine model of chronic asthma** Lara Ravanetti (Amsterdam, Netherlands), Lara Ravanetti, Annemiek Dijkhuis, Yanaika Sabogal Pineros, Suzanne Bal, Rene Lutter
OA2008	**Cytomegalovirus (CMV) modulates the immune responses against inhaled harmless antigens** Sebastian Reuter (Mainz, Germany), Sebastian Reuter, Helen Meyer-Martin, Hendrik Beckert, Christian Taube, Roland Buhl, Rafaela Holtappels
OA2009	**LSC Abstract – Lack of BMP-6 aggravates pulmonary inflammation in mice after subacute cigarette smoke exposure, but not after chronic exposure** Fien Verhamme (Ghent, Belgium), Fien Verhamme, Ken Bracke, Guy Joos, Guy Brusselle
OA2010	**LATE-BREAKING ABSTRACT: Identification of a novel lung-resident eosinophil population with immunomodulatory properties in mice** Stéfanie Raulier (Liège, Belgium), Stéfanie Raulier, Claire Mesnil, Geneviève Paulissen, Dimitri Pirottin, Thibaut Janss, Christophe Desmet, Thomas Marichal, Fabrice Bureau

Room E104-106 Session 242 10:45 - 12:45

Poster discussion: Work, environment and the epidemiology of asthma

Chairs : Christel van Dijk (Utrecht, Netherlands), Nicole Le Moual (Villejuif, France)

PA2011	**Self-reported occupational exposure to disinfectants and asthma control in U.S. nurses** Nicole Le Moual (Villejuif, France), Orianne Dumas, Aleta S. Wiley, Raphaelle Varraso, Jan-Paul Zock, Paul K. Henneberger, Frank E. Speizer, Nicole Le Moual, Carlos A. Camargo Jr
PA2012	**Increased risk of asthma and rhinitis after exposure to chemicals** Christian Schyllert (Karlskrona, Sweden), Christian Schyllert, Linnea Hedman, Martin Andersson, Ulf Hedlund, Bo Lundbäck, Eva Rönmark, Anne Lindberg
PA2013	**Cross-sectional study of the risk factors for atopic sensitization, asthma, and bronchial hyperresponsiveness in animal laboratory workers** Elcio Vianna (Ribeirão Preto, Brazil), Elcio Vianna, Christian Simoneti, Amanda Freitas, Erica Ferraz, Ericson Bagatin, Marcelo Menezes, Luiza Arruda
PA2014	**An exposure-response relation for soluble platinum-salt exposed workers and sensitization** Dirk Heederik (Utrecht, Netherlands), Dick Heederik, Jacobs Jose, Frits Van Rooy, Houba Remko
PA2015	**Predicting sensitization and allergy in bakery workers participating a surveillance programme** Badri Jonaid (Utrecht, Netherlands), Badri Sadat Jonaid, Jos Rooyackers, Dick Heederik
PA2016	**Asthma prevalence and pulmonary function tests among flourmill workers in Northern Greece** Paschalis Steiropoulos (Alexandroupolis, Greece), Elena Vasileiou, Evangelia Nena, Paschalis Ntolios, Paschalis Steiropoulos, Theodoros C. Constantinidis
PA2017	**Comparison of immunology tests for determining sensitisation to mouse proteins in laboratory animal workers** Johanna Feary (London, United Kingdom), Johanna Feary, Jennifer Welch, Zoe Lightfoot, Bernadette Fitzgerald, Winston Banya, Paul Cullinan, Meinir Jones
PA2018	**Follow-up of wheat and rye sensitization in bakers with occupational asthma** Cordula Bittner (Hamburg, Germany), Cordula Bittner, Bettina Simonis, Claus Hoelzel, Volker Harth, Alexandra Preisser
PA2019	**Exposure to high endotoxin concentration increases wheezing prevalence among laboratory animal workers** Elcio Vianna (Ribeirão Preto, Brazil), Elcio Vianna, Amanda Freitas, Christian Simoneti, Erica Ferraz, Ericson Bagatin, Marcos Borges
PA2020	**Acute inhalations in the workplace are associated with new-onset asthma in women** Jan-Paul Zock (Utrecht, Netherlands), Jan-Paul Zock, Anne-Elie Carsin, Isabel Urrutia, Silvia Pascual, Sandra Dorado, Mario Olivieri, Jesús Martínez-Moratalla, Nicola Murgia, Bénédicte Leynaert, Maria Mirabelli, Josep M. Antó, Manolis Kogevinas, On Behalf of ECRHS III Partners
PA2021	**Acute respiratory effects of magnesia dust in climbing halls** Hanns Moshammer (Vienna, Austria), Patrik Gebhart, Thomas Mondel, Hanns Moshammer
PA2022	**Application of clustering approach to occupational asthma due to isocyanates** Paola Mason (Padova, Italy), Paola Mason, Grazia Barbetta, Maria Cristina Scarpa, Gabriella Guarnieri, Piero Maestrelli
PA2023	**Job-task-exposure matrices to assess occupational exposure to disinfectants among U.S. nurses** Catherine Quinot (Villejuif, France), C. Quinot, O. Dumas, P.K. Henneberger, R. Varraso, A.S. Wiley, F.E. Speizer, J.P. Zock, C.A. Camargo Jr., N. Le Moual
PA2024	**Poor asthma control is associated with low socio-economic status: Results from a nationwide cross sectional study of Danish patients with asthma** Anna von Bülow (Lyngby, Denmark), Anna Von Bülow, Margit Kriegbaum, Vibeke Backer, Celeste Porsbjerg
PA2025	**Work related symptoms of adult patients with asthma: A multicenter, national, questionnaire based study** Dil ad Mungan (Ankara, Turkey), Dilsad Mungan, Ipek Ozmen, Fatma Evyapan, Fusun Topcu, Metin Akgun, Peri Arbak, Yilmaz Bulbul
PA2026	**Is occupational asthma really decreasing, or are workers finding referral to specialised centres more difficult?** Gareth Walters (Solihull, West Midlands, United Kingdom), Gareth Walters, Amanda Kirkham, Vicky Moore, Alastair Robertson, Sherwood Burge
PA2027	**A follow-up study of non-responders in a population-based study on respiratory health in Norway** Regine Abrahamsen (Skien, Norway), Regine Abrahamsen, Anne Kristin Møller Fell, Paul Henneberger, Martin Veel Svendsen, Kjell Torèn, Johny Kongerud
PA2028	**Is the respiratory health of study participants representative of the entire sample when the participation percentage is low?** Paul K. Henneberger (Morgantown, United States of America), Paul Henneberger, Michael Humann, Xiaoming Liang, Aleksandr Stefaniak, Ryan LeBouf, Marcia Stanton, Abbas Virji

Room G102-103 Session 243 10:45 - 12:45

Poster discussion: IPF: clinical aspects

Chairs : Venerino Poletti (Forli, Italy), Michael Kreuter (Heidelberg, Germany)

PA2029	**The burden of idiopathic pulmonary fibrosis reported by patients and carers in Ireland** Nicola Cassidy (Dublin, Ireland), Nicola Cassidy, Denise Dunne, Jim Egan
PA2030	**Item generation for a patient reported outcome measure (PRoM) in idiopathic pulmonary fibrosis (IPF): Application of consensus methods** Anne-Marie Russell (Holmfirth, West Yorkshire, United Kingdom), Anne-Marie Russell, Tessa Sanderson, Sharon Fleming, Athol Wells, Toby Maher, Paul Cullinan
PA2031	**Complications and mortality of tranbronchial lung cryobiopsy and surgical lung biopsy in interstitial lung diseases** Claudia Ravaglia (Castelbolognese, Italy), Claudia Ravaglia, Sara Tomassetti, GianLuca Casoni, Carlo Gurioli, Sara Piciucchi, Christian Gurioli, Stefano Sanna, Dubini Alessandra, Poletti Venerino
PA2032	**Transbronchial cryobiopsy for the diagnosis of interstitial lung disease (ILD) – The UK experience** Theresia Mikolasch (Cambridge, United Kingdom), Theresia Mikolasch, Joanna Porter, Ricky Thakrar, Neal Navani
PA2033	**Interim analysis of the EXCITING-ILD registry** Michael Kreuter (Heidelberg, Germany), Michael Kreuter, Felix J.F. Herth, Margarethe Wacker, Reiner Leidl, Andreas Hellmann, Michael Pfeifer, Jürgen Behr, Sabine Witt, Dagmar Kauschka, Marcus Mall, Andreas Guenther, Philipp Markart
PA2034	**Anti-fibrotic role of inhaled interferon- in idiopathic pulmonary fibrosis** Nadia Hasaneen (Stony Brook, United States of America), Nadia Hasaneen, Tuong Vu, Timothy Fusiak, Hussein Foda, Rany Condos, Gerald Smaldone
PA2035	**The epidemiologic features and the patterns of medical resource use in idiopathic pulmonary fibrosis (IPF) in Korea** Yong hyun Kim (Bucheon, Gyeonggi-do, Republic of Korea), Yong Hyun Kim, Jun Pyo Myong, Soon Seog Kwon, Kihoon Park
PA2036	**Non-pulmonary comorbidities in idiopathic pulmonary fibrosis** Fotios Drakopanagiotakis (Giessen, Germany), Fotios Drakopanagiotakis, Franziska Rösner, Carlo Vancheri, Philippe Bonniaud, Athol Wells, Jasmin Wagner, Bruno Crestani, Andreas Guenther
PA2037	**Lung functions and imaging characteristics of the patients with combined pulmonary fibrosis and emphysema** Esra Uzaslan (Bursa, Turkey), Ezgi Demirdogen Cetinoglu, Asli Gorek Dilektasli, Nilüfer Aylin Ozturk, Funda Coskun, Ahmet Ursavas, Esra Uzaslan
PA2038	**The efficacy of a walk-bike on quality of life and exercise capacity in patients with idiopathic pulmonary fibrosis (IPF). A pilot study** Monique Wapenaar-deKorver (Vlaardingen, Netherlands), Maarten Stessel, Monique Wapenaar, Jasmina Huremovic, Elisabeth Bendstrup, Maria Molina, Marlies Wijsenbeek
PA2039	**PROOF-registry: A prospective observational registry to describe the disease course and outcomes of IPF patients in a real-world clinical setting- An interim report** Wim Wuyts (Rotselaar, Belgium), Wim Wuyts, Benjamin Bondue, Caroline Dahlqvist, Hans Slabbynk, Marc Schlesser, Natacha Gusbin, Marianne Berrens, Paul DeVuyst
PA2040	**Does emphysema coexistence with IPF change prognosis?** Fatma Tokgöz Akyil (Istanbul, Turkey), Fatma Tokgöz Akyil, Tülin Sevim, Canan Akman, Emine Aksoy, Oguz Aktas, Mustafa Akyil
PA2041	**Clinical significance of falling oxygen saturation per walking distance (SaO2/6MWD) during six minute walk test (6MWT) in idiopathic pulmonary fibrosis (IPF)** Hwang In Kyoung (Seoul , Republic of Korea), In Kyoung Hwang, Seon Hye Kim, Myung Jae Park, Hong Mo Kang
PA2042	**Idiopathic pulmonary fibrosis: Relationship between patient survival and distance-saturation product** Rita Daniela Gomes Matos (Albergaria-a-Velha, Portugal), Rita Matos Gomes, Eva Padrão, Hans Dabó, Luísa Nascimento, Artur Vale, Inês Neves, Patrícia Mota, Natália Melo, António Morais
PA2043	**Depression and anxiety in pulmonary fibrosis: A pilot study** Claire Vella (Naxxar, Malta), Claire Vella, Jeremy Fleri Soler, Edvyn Andy Wongso, Peter Fsadni, Stephen Montefort
PA2044	**Course of disease and cause of death in patients with idiopathic pulmonary fibrosis in Eastern Finland** Miia Kärkkäinen (Kuopio, Finland), Miia Kärkkäinen, Hannu-Pekka Kettunen, Hanna Nurmi, Minna Purokivi, Riitta Kaarteenaho

PA2045	**Do physicians in primary health care recognize pulmonary fibrosis?** Minna Purokivi (Kuopio, Finland), Minna Purokivi, Marjukka Myllärniemi, Ulla Hodgson, Eija-Riitta Salomaa, Riitta Kaarteenaho
PA2046	**Tuberculosis in patients with idiopathic pulmonary fibrosis** Yulia Ilkovich (St.Petersburg, Russian Federation), Lubov Novikova, Yulia Ilkovich, Alexandra Speranskaya

Room G104-105 Session 244 10:45 - 12:45

Poster discussion: Cystic fibrosis: physiology, biomarkers, microbiology and miscellaneous

Chairs : Jürg Barben (St. Gallen, Switzerland), Jane C. Davies (London, United Kingdom)

PA2047	**Exercise improvements in ivacaftor treated G551D cystic fibrosis patients are not solely related to FEV1 and sweat changes** Dominic Keating (Melbourne, Australia), Deidre Edgeworth, Dominic Keating, Elyssa Williams, Denise Clark, Brenda Button, Audrey Tierney, Tom Kotsimbos, John Wilson
PA2048	**Exercise testing and multiple breath washout as markers of lung disease among patients with cystic fibrosis** Elpida Hatziagorou (Thessaloniki, Greece), Elpis Hatziagorou, Asterios Kampouras, Vasiliki Avramidou, Kalliopi Kontouli, Fotios Kirvassilis, Vasiliki Georgopoulou, Maria Karailidou, Athina Tsourtoulas, John Tsanakas
PA2049	**Does the lung clearance index track with disease progression in early childhood?** Nicole Sonneveld (Rotterdam, Netherlands), Nicole Sonneveld, Sanja Stanojevic, Renee Jensen, Padmaja Subbarao, Felix Ratjen
PA2050	**Preschool lung clearance index (LCI) predicts adolescent lung function in cystic fibrosis (CF)** Julie Duncan (London, United Kingdom), Julie Duncan, Emma Raywood, Angie Wade, Andy Bush, Janet Stocks, Paul Aurora, On Behalf of The London Cystic Fibrosis Collaboration (LCFC), Funded by the Cystic Fibrosis Trust
PA2051	**Comparing two different algorithms of calculating LCI and FRC from N_2 MBW in children with CF** Christina Kavouridou (Brämhult, Sweden), Christina Kavouridou, Per Gustafsson, Monica Rosberg, Anders Lindblad
PA2052	**Ability of the lung clearance index to detect inflammation and infection in preschool children with cystic fibrosis** Kathryn Ramsey (Chapel Hill, United States of America), Kathryn Ramsey, Sarath Ranganathan, Jasmine Grdosic, Billy Skoric, Stephen Stick, Graham Hall
PA2053	**Immune cell localization in different compartments of human end-stage cystic fibrosis lungs** Elise Lammertyn (Leuven, Belgium), Elise J. Lammertyn, Elly Vandermeulen, Hannelore Bellon, John E. McDonough, Ken R. Bracke, Guy G. Brusselle, Erik K. Verbeken, Pieter C. Goeminne, Bart M. Vanaudenaerde, Lieven J. Dupont
PA2054	**Allosteric inhibition of the cystic fibrosis transmembrane conductance regulator (CFTR) slows airway mucus transport in normal sheep** W. M. Abraham (Miami Beach, United States of America), William Abraham, Juan Sabater, Tahir Ahmed
PA2055	**Association between lobe specific bronchoalveolar lavage fluid metabolites and structural lung disease in young children with cystic fibrosis** Lidija Turkovic (Perth, Australia), Lidija Turkovic, Chalres Esther, Tim Rosenow, Stephen Stick
PA2056	**Prediction of CF exacerbations in children by exhaled inflammation markers** Edward Dompeling (Maastricht, Netherlands), Marieke Van Horck, Edward Dompeling, Rijn Jobsis
PA2057	**Volatile organic compounds emitted by pseudomonas aeruginosa and aspergillus fumigatus mono-cultures and in co-culture** Anne Neerincx (Nijmegen, Netherlands), Anne H. Neerincx, Brigitte Geurts, Jeroen J. Jansen, Marie-Fleur J. Habets, Johannes A. Booij, Jakko Van Ingen, Johan W. Mouton, Frans J.M. Harren, Leo A.J. Kluijtmans, Ron A. Wevers, Simona M. Cristescu, Peter J.F.M. Merkus
PA2058	**Persistence of candida dubliniensis in the lower airways of cystic fibrosis patients** Atqah Abdul Wahab (Doha, Qatar), Atqah Abdul Wahab, Husam Salah, Anna Kolecka, Teun Boeckhout, Saad Taj-Aldeen
PA2059	**The spectrum of Nocardia lung disease in cystic fibrosis** Galit Livnat-Levanon (Haifa, Israel), Galit Livnat, Meir Mei-Zahav, Lea Bentur, Huda Mussaffi, Hannah Blau
PA2060	**Histidinylated polylysines: An alternative antibacterial and fluidifying agent in cystic fibrosis.**** Virginie Herve (Tours, France), Christophe Epinette, Clémence Henry, Eric Morello, Delphine Fouquenet, Thomas Baranek, Lise Vanderlynden, Jérôme Montharu, Francis Gauthier, Mustapha Si-Tahar, Virginie Herve
PA2061	**Implementation of supervised physiotherapy in a school environment in children with cystic fibrosis** Manjith Narayanan (Leicester, United Kingdom), Naomi Dunmore, Erol Gaillard, Alison Claydon, Manjith Narayanan

PA2062 **What's the role of stroke volume and cardiac output during exercise in cystic fibrosis?**
Alessandra Favoriti (Terni, Italy), Alessandra Favoriti, Caterina Lambiase, Giuseppe Cimino, Paolo Versacci, Viviana D'Alù, Federica Montanile, Vittorio Rizzo, Riccardo Lanzano, Francesca Ricupito, Giancarlo Tancredi

PA2063 **Diagnostic efficiency of sweat conductivity testing in cystic fibrosis**
Yasemin Gökdemir (Istanbul, Turkey), Tuncay Seyrekel, Yasemin Gokdemir, Pinar Ozdemir, Fazilet Karakoc, Refika Ersu, Bulent Karadag, Goncagül Haklar

PA2064 **CF-ABLE-UK score: Modification and validation of a clinical prediction rule for prognosis in cystic fibrosis on data from UK CF registry**
Borislav Dimitrov (Southampton, United Kingdom), Borislav D. Dimitrov, Mohd Hafiz Hj Jaidi

Room G106-107 Session 245 10:45 - 12:45

Poster discussion: The challenge of choosing the best physical and functional assessment methods

Chairs : Daniel Langer (Leuven, Belgium), Margareta Emtner (Uppsala, Sweden)

PA2065 **Clinical significance for ESWT in COPD after a course of pulmonary rehabilitation**
Jakub Zatloukal (Leicester, United Kingdom), Jakub Zatloukal, Linzy Houchen-Wolloff, Sarah Ward, Sally Singh

PA2066 **Comparison of two maximal exercise tests on treadmill in patients with COPD – Preliminary results**
Fernanda Morakami (Londrina, Brazil), Fernanda Morakami, Antenor Rodrigues, João Brustolin, Fernanda Coimbra, Victoria Escobar, Nidia Aparecida Hernandes, Fabio Pitta

PA2067 **Validtiy and usability testing of the Fitbit pedometer in patients with COPD**
Riany de Sousa Sena (Montreal, Canada), Riany De Sousa Sena, Jean Bourbeau, Pei Zhi Li, Sara Ahmed

PA2068 **Does the Glittre test reflect daily activity levels in COPD?**
Marcelo Velloso (Belo Horizonte, Brazil), Marcelo Velloso, Zoe J. McKeough, Lissa M. Spencer, Jennifer A. Alison

PA2069 **Impact of peripheral artery disease on functional capacity in patients with COPD: Results of the COSYCONET study**
Sarah Wilke (Horn, Netherlands), Sarah Wilke, Robert Bals, Frits Franssen, Annika Karch, Armin Koch, Holger Schulz, Martijn Spruit, Tobias Welte, Emiel Wouters, Rudolf Jörres, Claus Vogelmeier, Henrik Watz

PA2070 **Balance status and falls of patients with COPD referred to pulmonary rehabilitation: Preliminary results**
Larissa Castro (Londrina, Brazil), Larissa Araújo de Castro, Veronica Barbier, Iris Coosemans, Ilse Muylaert, Carlos Marcal Camillo, Noppawan Charussussin, Daniel Langer, Vanessa Suziane Probst, Fabio Pitta, Rik Gosselink, Wim Janssens, Thierry Troosters

PA2071 **Psychometric properties of the BESTest and the Berg balance scale in COPD**
Alda Sofia Pires de Dias Marques (Aveiro, Portugal), Alda Marques, Joana Cruz, Ana Oliveira, Cristina Jácome

PA2072 **The determination of cut-off score in 6-minute pegboard and ring test**
Ismail Ozsoy (Izmir, Turkey), Ismail Ozsoy, Sema Savci, Serap Acar, Duran Ada, Sevgi Ozalevli, Atila Akkoclu

PA2073 **Agreement and responsiveness of reference equations for the 6-min walk test in Brazilian patients with COPD**
Nidia Aparecida Hernandes (Londrina, Brazil), Felipe V.C. Machado, Gianna W. Bisca, Andrea A. Morita, Fabio Pitta, Nidia A. Hernandes

PA2074 **Difference in 6MWD between overground and self-paced treadmill walking**
Wai-Yan Liu (Maastricht, Netherlands), W.Y. Liu, K. Meijer, J.M. Delbressine, E.F.M. Wouters, M.A. Spruit

PA2075 **Investigation of clinic measurements of six minute walk test and stair-climbing test in patients with mild COPD**
Buse Özcan (Izmir, Turkey), Buse Ozcan, Sevgi Ozalevli, Ismail Ozsoy, Aylin Ozgen Alpaydin, Oguz Kilinc

PA2076 **Comparison between six minutes walking test and sit-to-stand test in COPD patients**
Marc Beaumont (Lannion, France), Marc Beaumont, Eliott Boucard, Loic Peran, Romain Pichon, Giuseppe Liistro, Catherine Le Ber-Moy, Gregory Reychler

PA2077 **Relationship between sit-to-stand test and six-minute walk test in patients with pulmonary arterial hypertension**
Rengin Demir (Istanbul, Turkey), Rengin Demir, Umit Yasar Sinan, Mehmet Serdar Kucukoglu

PA2078 **Which is the best protocol of the sit-to-stand test in patients with COPD?**
Andrea Morita (Londrina, Brazil), Andrea A. Morita, Gianna W. Bisca, Thais Paes, Karina Furlanetto, Thaís Sant'Anna, Lorena Schneider, Leila Donária, Aline Nellessen, Andreia Travassos, Nidia A. Hernandes, Fabio Pitta, Vanessa S. Probst

PA2079 **Reliability and minimal detectable change of the Timed Up & Go test in COPD**
Alda Sofia Pires de Dias Marques (Aveiro, Portugal), Alda Marques, Joana Cruz, Maria Regêncio, Sara Quina, Ana Oliveira, Cristina Jácome

PA2080	**Comparions between stepper test and step test in COPD patients** Gregory Reychler (Bruxelles, Belgium), Gregory Reychler, Eliott Boucard, Loic Peran, Romain Pichon, Thierry Pieters, Catherine Le Ber-Moy, Marc Beaumont
PA2081	**Responsiveness of dyspnea, impact of COPD on health status and quality of life on aerobic and resistance training in different intensities – Pilot study** Júlia Gianjoppe-Santos (São Carlos, Brazil), Julia Gianjoppe-Santos, Marina S. Barusso, Anna Claudia Sentanin, Jéssica C. Panin, Valéria A. Pires Di Lorenzo

Room 13.2 Session 246 10:45 - 12:45

Poster discussion: Exhaled biomarkers in children and adults with airways disease

Chairs : Konstantinos Kostikas (Karditsa, Greece), Antonio Spanevello (Tradate, Italy)

PA2082	**Nasal nitric oxide in children with adenoidal hypertrophy and the effect of adenoidectomy** Jirina ChlÁdkovÁ (Hradec Kralove, Czech Republic), Jirina Chládková, Tomáš Rybnikár, Marian šenkerík, Jaroslav Chládek
PA2083	**Exhaled breath VOCs are associated with nocturnal wakening in asthmatic children** Yuanyue Wang (Eindhoven, Netherlands), Yuanyue Wang, Simone Hashimoto, Paul Brinkman, Teunis J. Vink, Hans Weda, Hugo Knobel, Tamara Nijsen, Nicholas J.W. Rattray, Paolo Montuschi, Marco Santonico, Giorgio Pennazza, Arnaldo D'Amico, Louise Fleming, Ana R. Sousa, Clare Murray, Julie Corfield, Hans Bisgaard, Andrew Bush, Wim Van Aalderen, Fan Chung, Dominic Shaw, Ioannis Pandis, Aruna Bansal, Graham Roberts, Peter J. Sterk, Stephen Fowler
PA2084	**Validation of ATS guidelines for FeNO to monitor eosinophillic airway inflammation** Maria Vestergaard (Copenhagen, Denmark), Maria Vestergaard, Asger Sverrild, Vibeke Backer, Celeste Porsbjerg
PA2085	**Combination of elevated exhaled nitric oxide and serum eosinophil cationic protein identifies asthma patients at risk for exacerbation** Ida Mogensen (Enskededalen, Sweden), Ida Mogensen, Kjell Alving, Sven-Erik Dahlen, Bertil Forsberg, Christer Jansson, Andrei Malinovschi
PA2086	**Breath volatile organic compound (VOC) COPD study at two DZL centers - Evaluation of site-specific VOC** Olaf Holz (Hannover, Germany), Arne Gaida, Olaf Holz, Shirin Nahidi, Sven Schuchardt, Christoph Nell, Rembert Koczulla, Jens Hohlfeld
PA2087	**Decreased levels of bis-S-bimane in exhaled breath condensate of COPD** Katsuhiro Onodera (sendai, Japan), Katsuhiro Onodera, Hisatoshi Sugiura, Yuichiro Hashimoto, Tadahisa Numakura, Kyoko Abe, Akira Koarai, Mitsuhiro Yamada, Tomoaki Ida, Takaaki Akaike, Masakazu Ichinose
PA2088	**Economic evaluation of fractional exhaled nitric oxide (FENO) for the management of adult asthma in Spain** Ulla Seppala (Solna, Sweden), Ulla Seppala, Lorenzo Sabatelli, Joaquín Sastre, Glenn Crater
PA2089	**Exhaled breath temperature as a possible early marker in smokers at risk for COPD (MARKO study)** Marina Labor (Osijek, Croatia), Marina Labor, Zarko Vrbica, Ivan Gudelj, Slavica Labor, Iva Juric, Rosanda Rosandic-Piasevoli, Karla Tudja, Zdenka Mestrovic, Davorka Martinkovic, Davor Plavec
PA2090	**Exhaled endogenous particles in a general population sample enriched with asthma subjects** Mona Larstad (Gothenburg, Sweden), Mona Lärstad, Ekaterina Mirgorodskaya, Mathias Holm, Hatice Koca, Emilia Viklund, Kjell Torén, Björn Bake, Anna-Carin Olin
PA2091	**Comparison of breath VOCs collected from controls, healthy smokers, smokers with COPD, and ex-smokers with COPD at two sites** Olaf Holz (Hannover, Germany), Arne Gaida, Christoph Nell, Olaf Holz, Sven Schuchardt, Rembert Koczulla, Jens Hohlfeld
PA2092	**Longitudinal changes in exhaled breath GC/MS profiles during loss of asthma control by prospective steroid withdrawal** Paul Brinkman (Amsterdam, Netherlands), Paul Brinkman, Marianne Van de Pol, Aeilko Zwinderman, Peter Sterk, Niki Fens
PA2093	**Influence of age on exhaled breath profile analyzed by an electronic nose in normal subjects** Silvano Dragonieri (Bari, Italy), Silvano Dragonieri, Vitaliano Quaranta, Teresa Ranieri, Pierluigi Carratù, Onofrio Resta
PA2094	**Analysis of exhaled air for a rapid, sensible and specific diagnosis of COPD** Josuel Ora (Rome, Italy), Josuel Ora, Luigino Calzetta, Paola Rogliani, Chiara Ciaprini, Rosamaria Capuano, Eugenio Martinelli, Roberto Paolesse, Corrado Di Natale, Mario Cazzola

PA2095 **Study on the origin and collection of exogenous compounds in exhaled breath aerosol particles**
Göran Ljungkvist (Göteborg, Sweden), Göran Ljungkvist, Olof Beck, Karina Stein, åsa Danielsson, Agneta Agge, Helene Friberg, Emilia Wiklund, Oscar Hammar, Marianne Andersson, Sören Sandqvist, Shahid Ullah

PA2096 **EBCpH variability in healthy children**
Anna Karakatsani (Palio Faliro, Athens, Greece), Anna Karakatsani, Sophia Rodopoulou, Evangelia Samoli, Konstantina Dimakopoulou, Klea Katsouyanni

PA2097 **Breath collection related factors may influence electronic nose ability to detect lung cancer**
András Bikov (Budapest, Hungary), Andras Bikov, Beata Korosi, Laszlo Kunos, Gabriella Zsamboki, Zoltan Sutto, Adam Tarnoki, David Tarnoki, Gyorgy Losonczy, Ildiko Horvath

PA2098 **Calv,NO and J'awNO in asthma. A multidimensional approach**
Raquel Lopez Reyes (Torrent (Valencia), Spain), Raquel Lopez-Reyes, Alberto Garcia-Ortega, Enrique Zaldivar, Miguel Perpiña Tordera

PA2099 **Effects of topical therapy on the breath pattern of patients with newly diagnosed COPD: An e-nose based study**
Simone Scarlata (Rome, Italy), Simone Scarlata, Simona Santangelo, Giorgio Pennazza, Marco Santonico, Gilda Giannunzio, Claudio Pedone, Raffaele Antonelli Incalzi

Room E102 Session 247 10:45 - 12:45

Poster discussion: Pulmonary hypertension: novel clinical insights

Chairs : Anton Vonk Noordegraaf (Amsterdam, Netherlands), H. Ardeschir Ghofrani (Giessen, Germany)

PA2100 **Prevalence of pulmonary hypertension in a large cohort of patients with hereditary hemorrhagic telangiectasia**
Veronique Vorselaars (Nieuwegein, Netherlands), Veronique M.M. Vorselaars, Sebastiaan Velthuis, Marco W.F. Van Gent, Cornelis J.J. Westermann, Repke J. Snijder, Johannes J. Mager, Martijn C. Post

PA2101 **Is survival in patients with severe group 3 pulmonary hypertension influenced by targeted therapy?**
Tobias Lange (Regensburg, Germany), Tobias Lange, Michael Arzt, Michael Pfeifer

PA2102 **Calculation of REVEAL scores for patients with PAH receiving riociguat in the PATENT-2 study**
Raymond Benza (Pittsburgh, United States of America), Raymond Benza, Adaani Frost, Harrison Farber, Hossein-Ardeschir Ghofrani, Miguel Angel Gómez Sánchez, David Langleben, Stephan Rosenkranz, Dennis Busse, Christian Meier, Sylvia Nikkho, Marius Hoeper

PA2103 **Effect of riociguat on pulmonary arterial compliance (PAC) in patients with PAH in PATENT-1**
Ioana Preston (Boston, United States of America), Ioana Preston, Nadine Al-Naamani, Stefano Ghio, Hossein-Ardeschir Ghofrani, Paul Hassoun, Sylvia Nikkho, Arno Fritsch, Adam Torbicki

PA2104 **Metabolic, cardiovascular and gas exchange abnormalities during activities of daily life in patients with idiopathic pulmonary arterial hypertension**
Jaquelina Sonoe Ota Arakaki (Sao Paulo, Brazil), Melline Almeida, Roberta Ramos, Eloara Ferreira, Ivan Ivanaga, Gabriela Figliolino, Jose Roberto Jardim, Oliver Nascimento, Luiz Eduardo Nery, Jaquelina Ota-Arakaki

PA2105 **An epidemiological study of pulmonary arterial hypertension in Japan**
Yasunori Kasahara (Chiba, Japan), Yasunori Kasahara, Seiichiro Sakao, Nobuhiro Tanabe, Koichiro Tatsumi

PA2106 **Follow-up of the pulmonary right-to-left shunt with transthoracic contrast echocardiography in patients with hereditary haemorrhagic telangiectasia**
Veronique Vorselaars (Nieuwegein, Netherlands), Veronique M.M. Vorselaars, Sebas Velthuis, Repke J. Snijder, Cornelis J.J. Westermann, Jan-Albert Vos, Johannes J. Mager, Marco C. Post

PA2107 **Apelin improves cardiac output in patients with pulmonary arterial hypertension**
Lauren Brash (Glasgow, United Kingdom), Lauren Brash, Gareth Barnes, Melanie Brewis, Colin Church, Simon Gibbs, Luke Howard, Martin Johnson, Neil McGlinchey, Joanne Simpson, Colin Stirrat, Stephen Thomson, Geoffrey Watson, David Welsh, Martin Wilkins, David Newby, Andrew Peacock

PA2108 **Capillary–hemangiomatosis like lesions in the lungs of sickle cell anemia patients**
Bianca Araujo (SAO PAULO/SP, Brazil), German Rasse, Bianca Bergamo de Araujo Paulino, Guilherme Hencklain, Sandra Menosi, Vera Demarchi, Rogerio Souza, Thais Mauad

PA2109 **Diagnosis of pulmonary hypertension from MR image based computational models of pulmonary vascular haemodynamics and decision tree analysis**
Angela Lungu (Sheffield, United Kingdom), Angela Lungu, Andrew Swift, Dave Capener, David Kiely, Rod Hose, Jim Wild

PA2110 **Rationale and study design of the RESPITE trial: Riociguat clinical effects studied in pulmonary arterial hypertension (PAH) patients with insufficient treatment response to PDE-5 inhibitors (PDE-5i)**
Marius M. Hoeper (Hannover, Germany), Marius Hoeper, Raymond Benza, Gerald Simonneau, James Klinger, David Langleben, Robert Naeije, Paul Corris

PA2111 **Pharmacokinetics and safety of concomitant macitentan and hormonal contraceptives**
Noémie Hurst (Allschwil, Switzerland), Noémie Hurst, Matthias Pellek, Patricia N. Sidharta, Jasper Dingemanse

PA2112 **Anxiety and depression are highly prevalent in pulmonary hypertension and might improve with target therapy**
Gina Somaini (Zurich, Switzerland), Gina Somaini, Elisabeth Hasler, Sévérine Müller-Mottet, Lars Huber, Rudolf Speich, Konrad Bloch, Silvia Ulrich

PA2113 **Screening pulmonary hypertension by lung doppler signal: A proof-of-concept study**
Laurent Godinas (Yvoir, Belgium), Laurent Godinas, Frédéric Lador, Rachel Schatzberger, Majd Zreik, Sven Gunther, Michael Segel, Yoram Palti, Olivier Sitbon, Gérald Simonneau

PA2114 **Safety and tolerability of rapid dose-titration of subcutaneous (SC) treprostinil in pulmonary arterial hypertension (PAH)**
Ekkehard Grünig (Heidelberg, Germany), Ekkehard Grünig, Benjamin Egenlauf, Tobias J. Lange, Ulrich Krüger, Rob Grover, Michelle Pernow, Andrew Traube, Thomas Viethen, Stephan Rosenkranz

PA2115 **Pulmonary hypertension in renal dialysis patients - A matter of water**
Frank Reichenberger (Gauting, Germany), Julia Ortwein, Andreas Feustel, Henning Gall, Christian Tanislav, Werner Seeger, Hossein Ghofani, Frank Reichenberger

PA2116 **Disease-targeted treatment improves cognitive function in patients with pulmonary hypertension**
Gina Somaini (Zurich, Switzerland), Gina Somaini, Adriana Stamm, Sévérine Müller-Mottet, Elisabeth Hasler, Keusch Stephan, Hildenbrand Florian, Rudolf Speich, Michael Furian, Konrad Bloch, Silvia Ulrich

PA2117 **Clinical meaning of low DLCO in idiopathic pulmonary arterial hypertension (IPAH) - Prospective single centre study**
Aneta Kacprzak (Warsaw, Poland), Aneta Kacprzak, Monika Szturmowicz, Monika Franczuk, Barbara Burakowska, Marcin Kurzyna, Anna Fijalkowska, Agnieszka Skoczylas, Stefan Wesolowski, Jan Kus, Adam Torbicki

Room D201-202 Session 248 10:45 - 12:45

Poster discussion: New targets and modalities for the treatment of asthma and COPD

Chairs : Gaetano Caramori (Ferrara, Italy), Loes Kistemaker (Groningen, Netherlands)

PA2118 **Pharmacodynamic effect of benralizumab on blood basophils and serum biomarkers in adults with COPD with sputum eosinophilia**
Rene van der Merwe (Cambridge, United Kingdom), Gautam Damera, Christopher Brightling, Eugene Bleecker, Dewei She, Rene Van der Merwe, Christine Ward

PA2119 **Effect of anti-IL-13 treatment on airway dimensions in severe asthma: Subgroup analysis**
Christopher E. Brightling (Leicester, United Kingdom), Christopher E. Brightling, Lars H. Nordenmark, Meena Jain, Edward Piper, Dewei She, Martin Braddock, Gene Colice, Göran Tornling

PA2120 **Safety and pharmacology of a soluble epoxide hydrolase inhibitor**
Aili Lazaar (Blue Bell, United States of America), Aili Lazaar, Lucy Yang, Jon Robertson, Navin Goyal, Rebecca Boardley, Ruth Tal-Singer, Joseph Cheriyan, David Newby, Ian Wilkinson, Ruth Mayer

PA2121 **Serelaxin is a potent inhibitor of airway contraction and enhances -adrenoceptor-mediated relaxation**
Jane Bourke (Clayton, Australia), Jane Bourke, Maggie Lam, Maria Jelinic, Laura Parry, Simon Royce, Chrishan Samuel

PA2122 **Duvelisib, a PI3K- , inhibitor, in subjects with mild asthma**
Tess Schmalbach (Cambridge, United States of America), Tess Schmalbach, Rainard Fuhr, Muna Albayaty, Kerstin Allen, Mark Douglas, Joi Dunbar, Justin McLaughlin, Laura Alexander, Charlotte McKee

PA2123 **Pharmacokinetics of selective PI3K inhibitors after intratracheal instillation in mice**
Pawel Gunerka (Lomianki, Poland), Pawel Gunerka, Joanna Hucz-Kalitowska, Pawel Turowski, Marcin Zagozda, Maciej Dziachan, Mariola Sekular, Anna Bujak, Maciej Wieczorek

PA2124 **Novel, highly potent and selective JAK3 inhibitor disrupting IL-4/IL-13 signaling in asthma therapy**
Anna Bujak (Warsaw, Poland), Anna Bujak, Pawel Gunerka, Joanna Lipner, Michal Mroczkiewicz, Bartosz Stypik, Pawel Turowski, Maciej Wieczorek

PA2125	**QAW039 (fevipiprant) improves lung function and control of asthma symptoms in patients with more severe air flow limitation: A proof-of-concept study** Veit Erpenbeck (Basel, Switzerland), Veit J. Erpenbeck, Todor A. Popov, S. David Miller, Steven F. Weinstein, Sheldon Spector, Baldur Magnusson, Wande Osuntokun, Paul Goldsmith, Markus Weiss, Jutta Beier
PA2126	**iNOS affects matrix production in distal lung fibroblasts from patients with mild asthma** Anna-Karin Larsson-Callerfelt (Lund, Sweden), Anna-Karin Larsson-Callerfelt, Maria Weitoft, Leif Bjermer, Ellen Tufvesson, Gunilla Westergren-Thorsson
PA2127	**Treatment with Syk inhibitors after establishment of disease phenotype in a chronic HDM model of allergic airways inflammation abolishes AHR and attenuates inflammatory mediator expression** Chung-Wai Chow (Toronto, Canada), Xiaomin Wang, Sepehr Salehi, Jeremy Soctt, Chung-Wai Chow
PA2128	**Dose-FEV_1 modeling to support future development of AZD2115, a dual acting bronchodilator for the treatment of COPD** Ulrika Wählby Hamren (Mölndal, Sweden), Ulrika Wählby Hamrén, Fredrik öhrn, Ajay Aggarwal
PA2129	**Pharmacological profile and efficacy of GLPG1690, a novel ATX inhibitor for COPD treatment** Roland Blanqué (Romainville, France), Roland Blanque, Nicolas Desroy, Sonia Dupont, Céline Cottereaux, Alain Monjardet, Emanuelle Wakselman, Wendy Laenen, Vince Russell, Ellen Van der Aar, Reginald Brys, Bertrand Heckmann
PA2130	**In-vitro evaluation of a new potent, selective pan-Janus kinase (JAK) inhibitor VR588** Coen Wiegman (London, United Kingdom), Coen Wiegman, Ian Adcock, Alan Rothaul, Mark Main, Frazer Morgan
PA2131	**Suppression of cough-reflex sensitivity by electronic cigarette use: Effect of nicotine** Peter Dicpinigaitis (New York, United States of America), Peter Dicpinigaitis, Alfredo Lee Chang, Alis Dicpinigaitis
PA2132	**Pre-clinical to clinical potency of AZD7624 in LPS induced TNFa response** Rikard Pehrson (Mölndal, Sweden), Rikard Pehrson, Tove Hegelund, Sofia Lundin, Patel Naimish, Paul Jansson, Danen Cunoosamy
PA2133	**Compound A modulates steroid insensitive chemokines in airway smooth muscle cells via IRF-1 dependent and independent pathways** Adelina Gavrila (Leicester, United Kingdom), Adelina Gavrila, Latifa Chachi, Omar Tliba, Christopher Brightling, Yassine Amrani
PA2134	**Development of a novel nano-sized carrier system for aeroseol drug delivery (EGE University translational pulmonology research group)** Ceren Türkcan Kayhan (Izmir, Turkey), Ceren Turkcan Kayhan, Raziye Hilal Senay, Esra Feyzioglu, Fulden Zeynep Ural, Ozlem Goksel, Tuncay Goksel, Suleyman Gulcemal, Munevver Erdinc, Sinan Akgol
PA2135	**New nasal spray stimulates ciliary activity in vitro** Mieke Boon (Wilsele, Belgium), Mieke Boon, Frans Merkus, Martine Jaspers, Mark Jorissen

Hall 14-01 Session 249 12:50 - 14:40

Thematic poster: Acute critical care: novelties in critical care

Chairs : Federico Longhini (Borgomanero, Italy), Marcus Schultz (Amsterdam, Netherlands), Antonio Artigas (Sabadell (Barcelona), Spain), Malgorzata Wygrecka (Giessen, Germany)

PA2136	**LATE-BREAKING ABSTRACT: The evolution of procalcitonin as a prognostic factor in critically ill patients with sepsis** Xubin Huang (Guangzhou, China), Xubin Huang, Jun Zhang, Mian Zeng, Xinyan Huang, Yanzhu Chen
PA2137	**ENDOXY – First ISO compliant test of an endothelialized oxygenator model** Christian Cornelissen (Aachen, Germany), Christian Cornelissen, Nicole Finocchiaro, Michael Dreher, Stefan Jockenhoevel
PA2138	**Effects of nebulized heparin on pulmonary inflammation in a rat model of acute lung injury** Laura Chimenti (Barcelona, Spain), Laura Chimenti, Raquel Guillamat, Neus Gomez, Jessica Tijero, LLuis Blanch, Antonio Artigas
PA2139	**Healthcare costs utilization and costs of patients hospitalized with acute respiratory distress syndrome (ARDS) in US commercially-insured individuals and Medicare beneficiaries** Shih-Yin Chen (Cambridge, United States of America), Ning Wu, John Hanrahan, Jeff Bornstein, Shih-Yin Chen
PA2140	**Risk factors for mortality in severe pneumonia patients followed in ICU** Begüm Ergan (Izmir, Turkey), Begum Ergan, Recai Ergun

PA2141	**Effects of S-nitroso-N-acetyl-penicillamine (SNAP) on inflammation, apoptosis and iNOS activity in an experimental model of acute lung injury** Petra Kosutova (Martin, Slovakia), Petra Kosutova, Daniela Mokra, Hana Pistekova, Pavol Mikolka, Sona Balentova, Lucia Tomcikova, Andrea Calkovska
PA2142	**Outcome and prognostic features in respiratory critically-ill patients with hematological malignancies** Mohamed Boussarsar (Sousse, Tunisia), Yamina Hamdaoui, Rania Bouneb, Abdelbaki Azouzi, Jihene Ayachi, Ahmed Khedher, Imed Chouchene, Rania Amara, Mohamed Boussarsar
PA2143	**Morbi-mortality evaluation in prolonged prone positioning during severe ARDS** Franco Appiani (Santiago, Chile), Franco Appiani, Pamela Farias, Felipe Aliaga, Constanza Florestano, Eduardo Tognarelli, Antonio Hernandez
PA2144	**Position-dependent distribution of ventilation measured with electrical impedance tomography** Christian Karagiannidis (Cologne, Germany), Christian Karagiannidis, Andreas D. Waldmann, Carlos Ferrando Ortolá, Manuel Muñoz Martinez, Anxela Vidal, Arnoldo Santos, Peter L. Róka, Manuel Perez Márquez, Stephan H. Bohm, Fernando Suarez-Spimann
PA2145	**The roles of inducible NO synthase and reactive oxygen species on lung injury induced by renal ischemia/reperfusion injury in the isolated perfused rat lung** Farzaneh Ketabchi (Shiraz, Islamic Republic of Iran), Farzaneh Ketabchi, Zinab Karimi, Seyed Mostafa Shid Moosavi
PA2146	**3D/4D pulmonary ultrasonograpy. Volumetric visualization of the pulmonary parenchyma in the evaluation of critical patients** Delgado-Cidranes Ernesto (Madrid, Spain), Delgado-Cidranes Ernesto, Tirado-Conde Gema, Fernandez-Vaquero Miguel Angel, Estrada-Blanco Zuramis
PA2147	**N-terminal pro-B-type natriuretic peptide in non-surgical critically ill patents** Xubin Huang (Guangzhou, China), Xubin Huang, Jun Zhang, Mian Zeng, Yanzhu Chen
PA2148	**Does plasma NGAL help for prediction of acute kidney injury in sepsis patients?: A systematic review and meta-analysis** Hye Kyeong Park (goyang-si, Republic of Korea), Hye Kyeong Park, Sollip Kim, Sung-Soon Lee, Hyun-Jung Kim, Hyeong-Sik Ahn, Ji Yang Song, Tae-Hyun Um, Chong-Rae Cho, Hoon Jung, Hyeon-Kyoung Koo, Yun Su Sim, Jae-Uk Song, Joo-Hyun Park
PA2149	**Oxidative stress is associated with muscle wasting after aortic surgery** Richard Paul (London, United Kingdom), Richard Paul, Mattia Gomarasca, Eleonora D'Angelo, Lisa Barbaro, Gregory Quinlan, Mark Griffiths
PA2150	**The "rapid atrial swirl sign" for evaluating central venous catheter tip position is appropriate and time-saving in critical care environments** Peter Korsten (Göttingen, Germany), Peter Korsten, Eirini Mavropoulou, Gerhard A. Müller, Daniel Patschan
PA2151	**Enoximone as emergency medication for life threatening asthma and suppression of allergic airway inflammation as measured in a house dust mite asthma model** Jan Beute (Almere, Netherlands), Jan Beute, Menno Van Nimwegen, Ruud Hendriks, Alex Kleinjan
PA2152	**Impact of mechanical ventilation in outcomes of critical care elderly patients: A cohort study** Saint Clair Bernardes Neto (Brasilia, Brazil), Saint Clair Gomes Bernardes Neto, Arlley Kennedy Oliveira, Fabio Ferreira Amorim, Graziella França Bernardelli Cipriano, Karla Helena Coelho Vilaca
PA2153	**Physician burn-out in Greek intensive care units: A qualitative analysis of associated parameters** Afroditi Boutou (Thessaloniki, Greece), Polychronis Voultsos, Maria Koungali, Konstantinos Psaroulis, Afroditi Boutou, Dimitrios Psaroulis
PA2154	**Risk of recurrence after surviving severe sepsis: A matched cohort study** Hsiu-Nien Shen (Tainan, Taiwan), Hsiu-Nien Shen, Chin-Li Lu, Hsi-Hsing Yang
PA2155	**Accuracy of ventilators for intermediate care to deliver tidal volume. A bench study** Claude Guérin (Lyon, France), Loredana Baboi, Sarah Guegan, Claude Guérin

Hall 14-02 Session 250 12:50 - 14:40

Thematic poster: Acute critical care: COPD, muscles and weaning

Chairs : Leo M.A. Heunks (Nijmegen, Netherlands), Annalisa Carlucci (San Donato Milanese, Italy), Christian Bruells (Aachen, Germany), Maria Paola Arellano-Maric (La Paz, Bolivia)

PA2156	**LATE-BREAKING ABSTRACT: How patients changed over 15 years: Outcomes and criticality of an Italian respiratory intensive care unit** Annia Fleur Schreiber (Turin, Italy), Annia Schreiber, Piero Ceriana, Alberto Malovini, Stefano Nava
PA2157	**LATE-BREAKING ABSTRACT: Anti-inflammatory effects of diphenyleneiodonium in lipopolysaccharide-induced acute lung injury in rats** Yu Mi Ko (Suwon, Republic of Korea), Yu Mi Ko, Sung-Kyoung Kim, Ki Hoon Park, Hyun Hui Kang, Ju Sang Kim, Sang Haak Lee, So Hyang Song, Jinyoung Yoo, Chi Hong Kim
PA2158	**LATE-BREAKING ABSTRACT: Feasibility of low dose anticoagulation protocol during extracorporeal membrane oxygenation** Seunghyun Lee (Yangsan, Republic of Korea), Seunghyun Lee, Hye Ju Yeo, Woo Hyun Cho, Yun Seong Kim, Seung Eun Lee, Doosoo Jeon, Seong Hoon Yoon
PA2159	**Pulmonary embolism: Diagnosis and mortality in patients with COPD** Islam Mejri Ep Ajili (Hammamlif Ben Arous, Tunisia), Takoua Merhabene, Islam Mejri, Amira Jamoussi, Kairallah Belkhouja, Kais Ben Romdhane, Jalila Ben Khlil, Mohamed Besbes
PA2160	**Differences in acute response team call triggering with CREWS scoring: A retrospective analysis** Mohammad Ahmad (Rochdale, United Kingdom), Mohammad Ahmad, Josephine Mayer, Melanie Pritchard, Jenny Bannon, Hassan Burhan
PA2161	**Effect of a ventilation multidisciplinary meeting on respiratory patients' journey through critical care** Abigail Bishopp (Birmingham, United Kingdom), Abigail Bishopp, Natasha Santana-Vaz, Govindan Raghuraman, Biman Chakraborty, Rahul Mukherjee
PA2162	**Hydrogen sulphide attenuates lung inflammation caused by resistive breathing** Athanasia Pavlidou (Athens, Greece), Athanasia Pavlidou, Constantinos Glynos, Fotis Perlikos, Dimitris Toumpanakis, Zongmin Zhou, Christina Magkou, Andreas Papapetropoulos, Theodoros Vassilakopoulos
PA2163	**Analysis of functionality and muscle strength of critical patients and their relation with mechanical ventilation requirement** Saint Clair Bernardes Neto (Brasilia, Brazil), Saint Clair Gomes Bernardes Neto, Roberta Fernandes Bomfim, Fernando Beserra de Lim, Fabio Ferreira Amorim, Marcelo De Oliveira Maia, Jose Aires de Araujo Neto
PA2164	**Effect of mobilization in critically ill patientes about peripheral muscle strength** Shirley Campos (Recife, Brazil), Amina M.S. Lima, Carlos E.S.R. Barros, Adriano F. Vilaça, Raissa F. Correia, Thiago F. Gonçalves, Raquel M.O. Silva, Suellen M. Cardozo, Catarina F.S. Rattes, Helga C.M. Souza, Daniella C. Brandão, Armele F.A. Dornelas, Shirley L. Campos
PA2165	**Noninvasive monitoring of carbon dioxide in tracheostomized patients during weaning** Friederike Sophie Magnet (Cologne, Germany), Friederike Sophie Magnet, Sarah Schwarz, Wolfram Windisch, Jan Hendrik Storre
PA2166	**Influence of weaning methods on the diaphragm after mechanical ventilation** Christian Bruells (Aachen, Germany), Christian Brülls, Thomas Breuer, Karen Maes, Christian Bleilevens, Ghislaine Gayan-Ramirez, Gernot Marx, Rolf Rossaint
PA2167	**Application of Centers of Disease Control and Prevention (CDC) ventilator associated pneumonia surveillance guidelines to the 'real world'** Aahd Kubbara (Toledo, United States of America), Aahd Kubbara, Abdur Khan, William Barnett, Imad Hariri, Fadi AlReefi, Ahmed Abdelkarim, Shahnaz Rehman, Mohammed Ruzieh, Nawaf Almeshal, Osama Dasa, Nicholas Horen, Faisal Khateeb, Sarah Hensley, Barbara Hahler, Tod Korzec, Mohammed Taleb, Assaly Ragheb, Yusuf Al-Ahwel
PA2168	**Does cause of respiratory failure and duration of ventilatory support affect weaning and survival in patients on prolonged mechanical ventilation?** Vanessa Yap (Farmington, United States of America), Massa Zantah, Vanessa Yap, Paul Scalise, Debapriya Datta
PA2169	**A Comparison of three severity assessment scores: APACHI II SOFA and CURB 65 for predicting inpatient mortality in patients with acute exacerbation of COPD (AECOPD)** Saima Akhter (Karachi, Pakistan), Saima Akhter, Usman Ali, Nadeem Rizvi, Quratulain
PA2170	**Evaluation of nasal optiflow device in management of COPD patients in acute exacerbations** Khaled Wagih (Cairo, Egypt), Adel Saeed, Khaled Wagih, Nasra Huusein
PA2171	**Impact of standardized mobilization in mechanically ventilated patients on respiratory muscular strength** Shirley Campos (Recife, Brazil), Carlos E.S.R. Barros, Amina M.S. Lima, Adriano F. Vilaça, Raissa F. Correia, Thiago F. Gonçalves, Raquel M.O. Silva, Suellen M. Cardozo, Catarina F.S. Rattes, Helga C.M. Souza, Daniella C. Brandão, Armele F.A. Dornelas, Shirley L. Campos

PA2172 **Outcome and prognostic factors of patients with lung cancer admitted to intensive care unit**
Yun Su Sim (Seoul, Republic of Korea), Yun Su Sim, Tae Rim Shin, Dong Gyu Kim, Hye Kyeong Park, Jae-Uk Song

Hall 14-03 Session 251 12:50 - 14:40

Thematic poster: Outcome of noninvasive ventilatory support in acute and chronic respiratory failure

Chairs : Lara Pisani (Bologna, Italy), Claudia Crimi (Catania, Italy), Antoine Cuvelier (Rouen, France), Antonio M. Esquinas Rodriguez (Murcia, Spain)

PA2173 **High-flow nasal cannula heated-humidified (HFNC) oxygen (O2) at 2 litres (lt)/kg/min versus low-flow O2 (up to 2lt/min) in pediatric emergency department (PED) and pediatric ward (PW) in infants with bronchiolitis who need O2 administration: A combined prospective randomized controlled and retrospective study: Preliminary results**
Kalomoira Kefala (Liège, Belgium), Kalomoira Kefala, Kindja Nyamugabo, Nesrine Farhat, Aurelie Janssen, Marie-Christine Seghaye

PA2174 **Doppler echocardiographic evaluation of hemodynamic effects of applying bilevel positive airway pressure**
Gabrielle Vinhal (Uberlândia, Brazil), Gabrielle Vinhal, Bruna Prates, Thulio Cunha, Livia Silva, Lucio Araújo, Daniel Melo, Celia Lopes

PA2175 **Effect of NIV on the measurement of ventilatory and metabolic variables**
Clancy Dennis (Sydney, Australia), C.J. Dennis, C. Menadue, A.R. Harmer, D.J. Barnes, J.A. Alison

PA2176 **Noninvasive ventilation after chest wall resection**
Yordanka Yamakova (Sofia, Bulgaria), Yordanka Yamakova, Rosen Petkov

PA2177 **Non-invasive ventilation (NIV) in acute respiratory failure in patients with idiopathic pulmonary fibrosis (IPF)**
Mohamed Boussarsar (Sousse, Tunisia), Rania Bouneb, Jamila Baroudi, Ahmed Khedher, Jihene Ayachi, Abdelbaki Azouzi, Yamina Hamdouni, Imed Chouchene, Ghada Sboui, Mohamed Boussarsar

PA2178 **Non invasive ventilation in acute respiratory failure due to COPD vs non COPD conditions: Effectiveness and failure predictors**
Jai Kumar Samaria (Varanasi, India), Kumar Utsav, J.K. Samaria

PA2179 **Effect of chronic kidney disease on duration of non-invasive ventilation required in acute hypercapnic respiratory failure**
Abigail Bishopp (Birmingham, United Kingdom), Abigail Bishopp, Nadia Sayeed, Biman Chakraborty, Ben Beauchamp, Amy Oakes, Rahul Mukherjee

PA2180 **Factors related with non-invasive ventilation success in chronic obstructive pulmonary disease**
Fatma Tokgöz Akyil (Istanbul, Turkey), Fatma Tokgöz Akyil, Meltem çoban Agca, Aysun Misirlioglu, Dildar Duman, Tülay Yarkin, Hakan Günen

PA2181 **Factors affecting the duration of acute non invasive ventilation required in patients with acute hypercapnic respiratory failure**
Abigail Bishopp (Birmingham, United Kingdom), Abigail Bishopp, Nadia Sayeed, Biman Chakraborty, Amy Oakes, Ben Beauchamp, Rahul Mukherjee

PA2182 **Safety of enteral nutrition in patients with noninvasive ventilation for acute respiratory failure**
Mariko Kogo (Hyogo prefecture, Japan), Mariko Kogo, Kazuma Nagata, Jiro Ito, Yuki Sato, Shusuke Teraoka, Ryoji Kato, Ryoko Shimizu, Takehiro Otoshi, Daichi Fujimoto, Atsushi Nakagawa, Kojiro Otsuka, Keisuke Tomii

PA2183 **Are we using bi-pap correctly? – A retrospective analysis of the use of bi-pap in St.Peter's Hospital over a 3 month period**
Hussain Basheer (London, United Kingdom), Hussain Basheer

PA2184 **Non-invasive ventilation for treatment of acute and chronic exacerbated respiratory failure: What to expect outside the critical care units?**
Maria Brandão (Vila Nova de Gaia, Portugal), Maria Esteves Brandão, Joelma Silva, Ricardo Reis, Artur Vale, Bebiana Conde, Abel Afonso

PA2185 **Predictors of poor outcome in patients with acute exacerbation of chronic obstructive pulmonary disease (AECOPD) receiving noninvasive positive pressure ventilation (NPPV**
Ashok Kumar (Karachi, Pakistan), Ashok Kumar, Ravi Mahat, Nida Hussain, Nadeem Rizvi

PA2186 **Outcomes of non-invasive ventilation use in intensive care unit: Results from a five years cohort**
Saint Clair Bernardes Neto (Brasilia, Brazil), Saint-Clair Gomes Bernardes Neto, Roberta Fernandes Bomfim, Fernando Beserra de Lima, Fabio Ferreira Amorim, Marcelo De Oliveira Maia, Jose Aires de Araujo Neto

PA2188 **Evaluation of some predictors for successful weaning from mechanical ventilation**
Ahmed Alasdoudy (Menouf, Almenoufia, Egypt), Ali Mabrouk, Osama Mansour, Aml Amin, Mahmoud Alhabashy, Ahmed Alasdoudy

PA2189 **May the obesity cause a better prognosis for domiciliary NIV prescribed COPD patients?**
Hilal Alt nöz (Istanbul, Turkey), Hilal Altinoz, Nalan Adiguzel, Cuneyt Salturk, Gokay Gungor, Ozlem Mocin, Huriye Takir, Feyza Kargin, Merih Balci, Zuhal Karakurt

PA2190 **A novel collaborative approach in improving management outcomes in patients with motor neurone disease (MND)**
Helen Umpleby (Tonbridge, United Kingdom), Helen Umpleby, David Oliver, Sandip Banerjee, Lisa Vincent-Smith

PA2191 **Improving the efficiency and patient experience using Telemodems for set-up of domiciliary non-invasive ventilation in a district general hospital**
Nadia Gildeh (Staplehurst, United Kingdom), Nadia Gildeh, Jane Kindred, Sandip Banerjee

PA2192 **Compliance to non-invasive continuous positive airway pressure ventilation in children with obstructive sleep apnoea**
Arun kumar Pugalenthi (Brisbane, Australia), Arun Kumar Pugalenthi, Biju Thomas, Petrina Wong, Anne Goh, Oh Moh Chay, Soh Gin Tan, Mei Lan Lim, Qiao Ling Tan, Teoh Oon Hoe

Hall 14-04 Session 252 12:50 - 14:40

Thematic poster: Transbronchial and percutaneous approach to peripheral pulmonary lesions

Chairs : Mohammed Munavvar (Preston, United Kingdom), Jean-Michel Vergnon (Saint-Etienne, France), Luis Miguel Seijo Maceiras (Madrid, Spain), Christophe Dooms (Leuven, Belgium)

PA2193 **Diagnostic yield of transbronchial criobiopsia in transplant patients and patients with suspected ILD**
MARGARITA HERRERA MARRERO (Mataró, Spain), Margarita Herrera, Leonor Luque, Mario Culebras, Antonio Alvarez, Alexa Nuñez, Javier De Gracia

PA2194 **Complications of transbronchial cryobiopsy in insterticial lung diseases**
Vanessa Lopez Rodriguez (Pamplona (Navarra), Spain), Vanessa López, Xenia López, Sonia Herrero, Jose Cascante, Ana Echegoyen, Jose Elizalde, Javier Hueto

PA2195 **Comparative study of confocal laser endomicroscopy using two probes sizes in solitary pulmonary nodules**
Tidi Hassan (Dublin, Ireland), Tidi Hassan, Christophe Hermant, Mathieu Salaun, Nicolas Piton, Luc Thiberville

PA2196 **Complications with endobronchial ultrasound with a guide sheath for peripheral pulmonary lesions**
Manabu Hayama (Tokyo, Japan), Manabu Hayama, Takehiro Izumo, Yuji Matsumoto, Takaaki Tsuchida, Shinji Sasada, Norio Okamoto

PA2197 **Electromagnetic navigation bronchoscopy in the management of peripheral lesions in patients contraindication for transthoracic needle biopsy**
Noémie Bruel Tronchon (Chevrières, France), Noémie Bruel Tronchon, Michèle Cottier, Marios Froudarakis, Jean Michel Vergnon

PA2198 **Factors affecting the transbronchial biopsy for peripheral pulmonary lesions with radial endobronchial ultrasound**
Yuji Matsumoto (Tokyo, Japan), Yuji Matsumoto, Takehiro Izumo, Takaaki Tsuchida, Shinji Sasada

PA2199 **Sonographic characteristics upon endobronchial ultrasonography with a guide sheath (EBUS-GS) are useful for diagnosing pulmonary peripheral lesions**
Atsushi Kitamura (Tokyo, Japan), Atsushi Kitamura, Hiroshi Nakaoka, Kouhei Okafuji, Yutaka Tomishima, Torahiko Jinta, Naoki Nishimura, Tomohide Tamura, Naohiko Chohnabayashi

PA2200 **Utility of virtual bronchoscopic navigation for peripheral pulmonary lesions**
Kohei Okafuji (Tokyo, Japan), Kohei Okafuji, Atsushi Kitamura, Hiroshi Nakaoka, Ryosuke Tsugitomi, Tomoyuki Tanigawa, Yutaka Tomishima, Torahiko Jinta, Naoki Nishimura, Tomohide Tamura, Naohiko Chonabayashi

PA2201 **Diagnostic value of ultrasound guided transthoracic core needle biopsy in mediastinal lesions**
Rosen Petkov (Sofia, Bulgaria), Rosen Petkov, Tzvetan Minchev, Yordanka Yamakova, Danail Petrov, Emilia Petkova

PA2202 **CT-guided percutaneous drainage of lung abscesses: Review of 80 cases. Single center experience**
Adamadia Liapikou (Athens, Greece), Petros Filippousis, Nektaria Sidiropoulou, Kyriaki Tavernaraki, Adamantia Liapikou, Styliani Arapostathi, Paraskeyi Galani, Loukas Thanos

PA2203 **A novel technique for CT-guided transthoracic biopsy of lung lesions with improved accuracy and safety**
Matthew Koslow (Tel Aviv, Israel), Matthew Koslow, Danny Yaffe, Hassan Haskiya, David Shitrit

PA2204 **Percutaneous ultrasound-guided punctures and biopsies in the diagnosis of peripheral thoracic lesions for pulmonologists**
Alberto García (Valencia, Spain), Alberto García-Ortega, Andrés Briones, Miguel ángel Martínez, Raquel Martínez-Tomás, Enrique Cases, Sandra Fabregat

PA2205 **Ultrasound guided transthoracic biopsy performed by respiratory physicians: Diagnostic yield and complications**
Christian Laursen (Odense C, Denmark), Christian B. Laursen, Jesper Rømhild Davidsen, Ole Graumann, Niels Christian Hansen

Hall 14-05 Session 253 12:50 - 14:40

Thematic poster: Functional capacity, exercise and pulmonary rehabilitation in chronic lung diseases

Chairs : Roberto Rabinovich (Edinburgh, United Kingdom), Vasileios Andrianopoulos (Horn, Netherlands), Anja Frei (Zurich, Switzerland), Guido Vagheggini (Volterra, Pisa, Italy)

PA2206 **The effect of respiratory physiotherapy applied after thorcic surgery on respiratory muscle strength**
Orçin Telli Atalay (Denizli, Turkey), Orçin Telli Atalay, Harun Taskin, Gökhan Yuncu

PA2207 **The relationship between proximal limb and trunk muscle strength and respiratory parameters in chronic obstructive pulmonary disease (COPD)**
Elvan Keles (Izmir, Turkey), Elvan Keles, Sevgi Ozalevli, Aylin Ozgen Alpaydin

PA2208 **The acute and chronic effects of dietry nitrate on exercise tolerance in COPD patients**
Conor Kerley (Dublin, Ireland), Conor Kerley, Aisling McGown, John Faul, Liam Cormican

PA2209 **Determinants of cardio-pulmonary exercise test (CPET) and shuttle walking test (SWT) in COPD patients are different**
M. L. E. Bartoli (Pisa, Italy), Francesco Costa, Dario Nieri, Maria Laura Bartoli, Sandra Antonelli, Gianna Decusatis, Claudia De Simone, Laura Malagrinò, Sabrina Santerini, Barbara Vagaggini, Pierluigi Paggiaro

PA2210 **Effect of pulmonary rehabilitation (PR) on inflammation status in patients with COPD**
Francesco Gigliotti (Florence, Italy), Francesco Gigliotti, Claudia Coli, Letizia Lombardelli, Isabella Romagnoli, Federica Logiodice, Barbara Lanini, Ornela Kullolli, Barbara Binazzi, Paola Parronchi, Enrico Maggi, Marie-Pierre Piccinni

PA2211 **Aerobic exercise reduces asthma phenotype through inhibition of SOCS-JAK-STAT signaling in airway epithelium**
Ana Oliveira (São Paulo, Brazil), Ana Roberta Almeida-Oliveira, Jefferson C.J. Aquino-Junior, Manoel C. Oliveira-Junior, Adilson S. Andrade-Sousa, Erasmo A. Neto, Auriléia Aparecida-Brito, Nicole C. Rigonato-Oliveira, Gabriel De Moraes, Ana Paula L. De Oliveira, Rodolfo P. Vieira

PA2212 **Advanced glycation end product (AGE), soluble receptor for AGE (sRAGE) and inflammation in smokers and mild/moderate chronic obstructive pulmonary disease (COPD)**
Laura Caram (Conchas, São Paulo, Brazil), Laura Caram, Renata Ferrari, Ludimila Nogueira, André Bertani, Thaís Garcia, Carolina Bonfanti, Caroline Knaut, Regina Moretto, Suzana Tanni, Camila Corrêa, Irma Godoy

PA2213 **Short and long term effects of a physical activity programa in COPD patients**
María HernÁndez (Pamplona, Spain), María Hernández, Fabrício Zambom-Ferraresi, María Milagros Antón, Javier Hueto, Jose Cascante, Mikel López, Pilar Cebollero

PA2214 **Segmental bioelectrical impedance analysis of lower limb muscle mass in patients with COPD**
Deniz Dilaver (Romford, United Kingdom), Deniz Dilaver, Jane L. Canavan, Djeya P. Kaliaraju, Claire M. Nolan, Sarah E. Jones, Samantha S.C. Kon, William D.C. Man

PA2215 **Effects of pulmonary rehabilitation in COPD patients treated with different pharmacological associations**
Vittoria Conti (Rome, Italy), Vittoria Conti, Eirini Lemontzi, Aliaksei Kisialiou, Stefano Bonassi, Gregorino Paone, Maurizio Volterrani, Giuseppe Caminiti, Vittorio Cardaci

PA2216 **Outcomes of pulmonary rehabilitation for COPD in the elderly: A comparative study**
Abirami Subramaniam (Dublin, Ireland), Abirami Subramaniam, Padraic McCarthy, Mohamed Elshafi, Bernadette Bowen, Michael Henry

PA2217 **Outcomes of pulmonary rehabilitation in hypercapnic COPD patients**
Ilknur Naz (Izmir, Turkey), Hulya Sahin, Ilknur Naz, Sevcan Guney, Nimet Aksel, Fevziye Tuksavul

PA2218 **COPD assessment for symptoms and functional condition in pulmonary rehabilitation**
János Tamás Varga (Budapest, Hungary), Maria Kerti, Zsuzsanna Balogh, Adrien Halasz, Krisztina Kelemen, Janos Varga

PA2219 **Pulmonary rehabilitation in COPD and other chronic lung diseases**
pek Ozmen (Istanbul, Turkey), Ipek Ozmen, Elif Yildirim, Murat öztürk, özgür Yilmaz, Burhan Yilmaz, Nur Ucgun, Nurgul Yer

PA2220	**Minimal pulmonary rehabilitation program in subjects with COPD** Andrzej Obojski (Wroclaw, Poland), Andrzej Obojski, Gabriela Staron, Marcin Zieziula, Robert Pawlowicz
PA2221	**Effects of respiratory and callisthenic exercise training on exercise capacity and cuality of life in geriatrics** Neslihan Durutürk (Ankara, Turkey), Neslihan Duruturk, Manolya Acar
PA2222	**Impact of body mass index (BMI) on outcomes of a specific pulmonary rehabilitation programme (PRP) for chronic obstructive pulmonary disease (COPD)** Virginia Almadana Pacheco (Sevilla, Spain), Virginia Almadana Pacheco, Natalia Fouz Rosón, Ana Miriam Muñiz Rodríguez, Cristina Benito Bernáldez, Agustín Valido Morales, Teodoro Montemayor Rubio
PA2223	**Evaluation of a novel pulmonary rehabilitation programme in Newport, South Wales** Patrick Flood-Page (Cardiff, United Kingdom), Patrick Flood-Page, Sam Jones, Linda Naude
PA2224	**Determinants of oxyhaemoglobin desaturation and dyspnoea during 6 min walking test in obese and lean COPD patients** Roberto Torchio (Venaria Reale, Italy), Claudio Ciacco, Marco Guglielmo, Elena Rindone, Fiorella Pacetti, Mattia Chiesa, Roberto Torchio
PA2225	**Are shuttle walk tests on a treadmill and in a corridor with patients with COPD interchangeable?** Patricia Lira (Mogi das Cruzes, Brazil), Patricia Lira, Aline Meneses, Mariana Reimberg, Jacqueline Boldorini, Anderson Camargo, Rejane Castro, Simone Corso, Fernanda Lanza

Hall 14-06 Session 254 12:50 - 14:40

Thematic poster: Clinical exercise physiology in health and disease

Chairs : Jose Alberto Neder Serafini (Kingston, Canada), Samuel Verges (Grenoble, France), Paolo Onorati (Alghero, Italy), Gilles Garcia (Le Kremlin Bicètre, France)

PA2226	**Differences in parasympathetic activity of asthmatic athletes, healthy athletes and non-athlete controls** Julie Stang (Oslo, Norway), Julie Stang, Trine Stensrud, Kai-Håkon Carlsen
PA2227	**Respiratory muscle endurance after resiratory muscle training in athletes and non-athletes: A systematic review and meta-analysis** Lucien Peroni Gualdi (Natal, Brazil), Lucien Peroni Gualdi, Ana Tereza Sales, Guilherme Fregonezi, Andrew Ramsook, Jordan Guenette, Illia Lima, Darlene Reid
PA2228	**Qualitative aspects of exertional dyspnea in ILD patients before and after oxygen supplementation** Josuel Ora (Rome, Italy), Josuel Ora, Angelo Coppola, Annapina Barrile, Annamaria Salvati, Mario Cazzola, Paola Rogliani
PA2229	**Comparative evaluation on the synergism of roflumilast (RFL) and glycopyrronium (Gly) vs ciclesonide (CLS) and Gly on lung volumes and exercise tolerance in severe COPD** Josuel Ora (Rome, Italy), Josuel Ora, Roberto Lipsi, Gabriella Lucà, Chiara Ciaprini, Paola Rogliani, Mario Cazzola
PA2230	**Effects of 12-week exercise training-related rehabilitation on exertional dyspnoea in patients with idiopathic pulmonary arterial hypertension** Pierantonio Laveneziana (Paris, France), Pierantonio Laveneziana, Bruno Degano, Kim Boutet, Xavier Jaïs, Gérald Simonneau, Marc Humbert, Olivier Sitbon, Gilles Garcia
PA2231	**Pulmonary function and oxygen uptake in elderly** Erlend Hassel (Trondheim, Norway), Erlend Hassel, Dorthe Stensvold, Thomas Halvorsen, Ulrik Wisløff, Arnulf Langhammer, Sigurd Steinshamn
PA2232	**Pharmacokinetics of inhaled terbutaline in relation to doping analysis: Impact of exercise and heat** Michael Kreiberg (Copenhagen, Denmark), Michael Kreiberg, Vibeke Backer, Victoria Becker, Sebastian Rzeppa, Peter Hemmersbach, Morten Hostrup
PA2233	**The value of cardiopulmonary exercise testing in sarcoidosis** Evaggelia Fouka (Thessaloniki, Greece), Evaggelia Fouka, Paul Zarogoulidis, Ioannis Kioumis, Georgia Pitsiou, Konstantinos Zarogoulidis, Anastasios Kallianos, Aggeliki Rapti, Georgia Trakada
PA2234	**Physiological mechanisms of increased activity-related dyspnea in obesity** Dennis Jensen (Montreal, Canada), Kevin Pham, Michele Schaeffer, Ryan Reid, Sara Abdallah, Ross Andersen, Dennis Jensen
PA2235	**Right ventricular response during exercise in patients with chronic obstructive pulmonary disease** Diego Augustin Rodriguez (Barcelona, Spain), Diego A. Rodríguez, Anna Rodo-Pin, Anna Herranz, Antonio Sancho-Muñoz, Joaquim Gea, Jordi Bruguera, Lluis Molina

PA2236	**Climbers usually resident at moderate altitude exhibit less oygen desaturation during rapid ascent to 4559 m** Eva Bernardi (Vazzola, Italy), Eva Bernardi, Luca Pomidori, Gaia Mandolesi, Manuela Bartesaghi, Davide Cavallari, Annalisa Cogo
PA2237	**Ventilatory analysis during 6MWT gives relevant information about exercise limitation in COPD** Eva Bernardi (Vazzola, Italy), Eva Bernardi, Benedetta Stiz, Sergio Angelini, Marco Contoli, Annalisa Cogo
PA2238	**6-minute walk distance in young healthy north-African adults aged 16 to 40 years** Helmi Ben Saad (Sousse, Tunisia), Mohamed-Kheireddine Bourahli, Mohamed Bougrida, Mehdi Martani, Hacene Mehdioui, Helmi Ben Saad
PA2239	**The six minute walk test comparison to a stair climb test** Shahzad Ahmad (Mclean, United States of America), Shahzad Ahmad, Anne Whitney Brown, Christopher King, Oksana Shlobin, Nargues Weir, Sydney Stayrook, Steven Nathan
PA2240	**Quadriceps muscle contractility and fatigability in cystic fibrosis (CF) patients** Samuel Verges (Grenoble, France), Samuel Verges, Mathieu Gruet, Nicolas Decorte, Laurent Mely, Jean-Marc Vallier, Boubou Camara, Sébastien Quetant, Bernard Wuyam
PA2241	**Effect of apelin on cardiopulmonary performance during endurance exercise** Svyatoslav Kechyn (Margate, United Kingdom), Svyatoslav Kechyn, Gareth Barnes, Akaphot Thongmee, Luke Sebastian Howard
PA2242	**Skeletal muscle metabolism in active cystic fibrosis (CF) patients with light/moderate pulmonary dysfunction** Samuel Verges (Grenoble, France), Samuel Verges, Nicolas Decorte, Mathieu Gruet, Boubou Camara, Sébastien Quetant, Laurent Mely, Jean-Marc Vallier, Bernard Wuyam
PA2243	**Changes in quadriceps mass and function following neuromuscular electrical stimulation (NMES) in COPD: A comparison of responsiveness to training using different measurement modalities** Bhavesh Popat (Leicester, United Kingdom), Bhavesh Popat, Lorna Latimer, Michael Steiner, Neil Greening
PA2244	**Asthma symptoms, direct and indirect challenge tests in adolescent elite swimmers** Kerstin Romberg (Falsterbo, Sweden), Kerstin Romberg, Ellen Tufvesson, Leif Bjermer

Hall 14-07 Session 255 12:50 - 14:40

Thematic poster: Respiratory muscles and airways function: from physiology to clinical implications

Chairs : Antonella Lo Mauro (Milan, Italy), Esther Barreiro Portela (Barcelona, Spain), Eric Derom (Gent, Belgium), Raffaele Dellaca (Milan, Italy)

PA2245	**LATE-BREAKING ABSTRACT: Within-breath analysis of respiratory mechanics before and after mannitol challenge** Dorottya Czovek (Brisbane, Australia), Dorottya Czovek, Graham Hall, Elisha White, Elysia Hollams, Alan James, Nicholas De Klerk, Patrick Holt, Peter Sly, Zoltan Hantos
PA2246	**LATE-BREAKING ABSTRACT: Lung function and the alcohol breath test** Susana Cláudia Teixeira de Sousa Varela (Alcochete, Portugal), Susana Sousa, Mafalda Silva, Susana Santos, Claudia Caramujo, Braço-Forte Cristina, Ivone Fernandes, Paula Duarte
PA2247	**LATE-BREAKING ABSTRACT: Lung function in survivors of ARDS during the 2009 influenza A H1N1 pandemic: A one year cohort study** Rosaura Esperanza Benítez Pérez (México, Mexico), Rosaura Esperanza Benítez Pérez, Julia Sánchez Hernández, Luis Torre Bouscoulet, Laura Gochicoa-Rangel, Mayra Mejía Zarate, Miguelina Jaquez
PA2248	**Respiratory muscle strength evaluation in adults with asthma through maximal respiratory pressures measurements** Flavia Salame (Manaus, Brazil), Flavia Matos Salame, Maria Angela Fontoura Moreira, Luciana Tesser
PA2249	**The effect of normobaric hypoxia on respiratory muscle oxygenation during incremental inspiratory threshold loading (ITL) in healthy adults** Nada Basoudan (Vancouver, Canada), Nada Basoudan, Darlene Reid, Jeremy Road, Babak Shadgan, Jordan Guenette
PA2250	**Effects of inspiratory muscle training on leg blood flow and exercise tolerance in COPD** Danilo Cortozi Berton (Porto Alegre, Brazil), Danilo C. Berton, Marina Castro, Luiz Felipe Fröhlich, Mariah Castilho, Rui Dorneles, Gaspar Chiappa, Marli Knorst, J. Alberto Neder
PA2251	**Respiratory work and its components during exercise in interstitial lung disease, COPD and controls** Jeferson George Ferreira (São Paulo, Brazil), Jeferson George Ferreira, Letícia Zumpano Cardenas, Marcelo Macchione, Pauliane Santana, Renan Maloni, Mayra Caleffi Pereira, Carlos Roberto R. Carvalho, Pedro Caruso, André Albuquerque

PA2252	**The weakness of the respiratory muscles in the genesis of dyspnea on marfanoid phenotype** Maria Vershinina (Omsk, Russian Federation), Maria Vershinina
PA2253	**Thoracoabdominal asynchrony decreases chest wall volume and affects respiratory kinematics in COPD** Desiderio Cano Porras (Sao Paulo, Brazil), Desiderio C. Porras, Cibele C.B. Marques da Silva, Adriana C. Lunardi, Denise M. Paisani, Rafael Stelmach, Alberto Cukier, Henrique T. Moriya, Celso R.F. Carvalho
PA2254	**Respiratory muscle strength, hypoxemia and dyspnea in liver cirrhosis patients** Maha Yousif (Minufiya Gavornorate, Egypt), Sameh Ahmed Abdel-bary, Maha Yousif, Hani Ali Hussein
PA2255	**Chest wall volumes during constant compared to incremental cycle ergometer tests in chronic obstructive pulmonary disease (COPD) patients: A systematic review and meta-analysis** Illia Lima (Natal, Brazil), Illia Lima, Guilherme Fregonezi, Nada Basoudan, Ana Tereza Sales, Darlene Reid
PA2256	**Simulation of airway calibre and inflammation interaction by a new model of airway epithelium** Cyril Karamaoun (Ixelles, Brussels, Belgium), Cyril Karamaoun, Benoît Haut, Alain Van Muylem
PA2257	**Effects of ceramide pathway inhibition on the inflammatory response in lipopolysacharide-triggered lung injury** Renata Tiemi Okuro (Rio de Janeiro, Brazil), Renata Tiemi Okuro, Natália Vasconcelos Casquilho, Mariana Nascimento Machado, Georgia Correa Atella, Samuel Santos Valença, Walter Araújo Zin
PA2258	**Characterization of ceramide generation kinetics in a lung injury model induced by lipopolysaccharide** Renata Tiemi Okuro (Rio de Janeiro, Brazil), Renata Tiemi Okuro, Natália Vasconcelos Casquilho, Mariana Nascimento Machado, Taíná Correa Atella, Georgia Correa Atella, Samuel Santos Valença, Walter Araújo Zin
PA2259	**The application of infrared thermal imaging in detecting lower extremity deep venous thrombosis** FANGGE DENG (Guangzhou, China), Fangge Deng, Qing Tang, Xiufang Deng, Nuofu Zhang, Hua Wu, Nanshan Zhong
PA2260	**Pharmacokinetics of nebulized and oral procaterol in asthmatic and non-asthmatic subjects** Nanna Krogh (Copenhagen, Denmark), Nanna Krogh, Vibeke Backer, Sebastian Rzeppa, Peter Hemmersbach, Morten Hostrup
PA2261	**Clinical-functional features of osmotic airway hyperresponsiveness in patients with asthma** Evgenia Y. Afanaseva (Blagoveshchensk, Amur Oblast, Russian Federation), Evgeniya Y. Afanaseva, Juliy M. Perelman, Anna G. Prikhodko, Leonid G. Nakhamchen, Victor P. Kolosov, Svetlana V. Naryshkina
PA2262	**P-wave duration and dispersion during intrathoracic pressure swings** Annette Marie Wons (Zurich, Switzerland), Annette Marie Wons, Thomas Gaisl, Valentina Rossi, Christian Schlatzer, Giovanni Camen, Malcolm Kohler
PA2263	**Atrial premature beats during the Mueller manoeuvre are a predictor for arrhythmias** Thomas Gaisl (Zurich, Switzerland), Thomas Gaisl, Annette Wons, Daniel Bratton, Christian Schlatzer, Esther Schwarz, Noriane Sievi, Christian Clarenbach, Laurent Haegeli, Firat Duru, Malcolm Kohler

Hall 14-08 Session 256 12:50 - 14:40

Thematic poster: Lung function: new findings and approaches

Chairs : Andre Albuquerque (Sao Paulo, Brazil), Bruno Degano (Besançon, France), Caterina Salito (Milan, Italy), Frédéric Costes (Saint-Etienne Cedex 2, France)

PA2264	**LATE-BREAKING ABSTRACT: Oxytocin receptor expression but a lack of response to oxytocin in airway tissues** Jibriil Ibrahim (Melbourne, Australia), Jibriil Ibrahim, Michelle McIntosh, Robert Bischof
PA2265	**LATE-BREAKING ABSTRACT: The effect of beta2-agonist on lung clearance index in COPD patients** Anders Christiansen (Middelfart, Denmark), Anders Christiansen, Ingrid L. Titlestad, Jørgen Vestbo
PA2266	**Association between sputum cytology and lung function in patients with asthma and COPD** Subhabrata Moitra (Krishnagar, Nadia, India), Subhabrata Moitra, Kanchan Pyasi, Vandana Vincent, Rahul Kodgule, Sundeep Salvi
PA2267	**Temporal changes in lung function following haemodilution under stable haemodynamic conditions in pigs** Gergely Albu (Geneva, Switzerland), Gergely Albu, Cédric Sottas, Magali Walesa, Ferenc Peták, Walid Habre, Mirko Dolci
PA2268	**Resting ventilation in patients with asthma compared to healthy controls** Marta Gudjonsdottir (Mosfellsbaer, Iceland), Marta Gudjonsdottir, Monique Van Oosten
PA2269	**Quantitative chest CT measurements in World Trade Center workers and volunteers** Rafael E. de la Hoz (New York, United States of America), Rafael E. De la Hoz, John Doucette, Raúl San José Estepar, Claudia I. Henschke, David F. Yankelevitz, Avi Albeg

PA2270 **Non-contact assessment of acute bronchodilator' response during tidal breathing in COPD patients using structured light plethysmography (SLP)**
Pierantonio Laveneziana (Paris, France), Pierantonio Laveneziana, Claudia Llontop, Marie-Cecile Nierat, Agnès Bellocq, Christian Straus, Thomas Similowski

PA2271 **Changes in FEV1 after recovery from COPD exacerbation are driven by heterogeneous regional changes in airway caliber and hyperinflation**
Wim Vos (Heist-op-den-Berg, Belgium), Wim Vos, Cedric Van Holsbeke, Wouter Van Geffen, Huib Kerstjens, Massimo Pistolesi, Omar Usmani, Bita Hajian, Antony Cahn, Jan De Backer, Wilfried De Backer

PA2272 **Effects of Ramadan intermittent fasting (RIF) on spirometry in healthy young adults**
Helmi Ben Saad (Sousse, Tunisia), Imed Latiri, Siwar Sandid, Mohamed Amine Fennani, Souad Amimi, Sonia Rouatbi, Chiraz Maatoug, Makrem Zammit-Chatti, Karim Chamari, Helmi Ben Saad

PA2273 **More relaxation by deep inhalation of methacholine than exercise-pretoned airways of asthmatic children**
Iulia Ioan (Vandoeuvre-les-Nancy, France), Iulia Ioan, Mickael Lescroart, Laurianne Coutier, Claude Bonabel, François Marchal, Cyril Schweitzer, Silvia Varechova

PA2274 **Forcede expiratory volume in six second in the spirometric diagnosis of COPD**
Leifu Jiang (Nanjing, China), Leifu Jiang, Kaisheng Yin, Ping Yan

PA2275 **Bronchodilation test estimation using spirometry and electrical impedance analysis in bronchial asthma and COPD patients**
Vitaly Mishlanov (Perm, Russian Federation), Vitaliy Mishlanov, Tatyana Ustyantzeva, Vladimir Nedugov, Oleg Kalinin, Anastasya Katkova

PA2276 **Within-breath resistance and reactance and short-term repeatability in two forced oscillation technique devices**
Sabine Zimmermann (Glebe, Australia), Sabine Zimmermann, Joanna Lyon, Amy Bertolin, Kanika Jetmalani, Gregory King, Cindy Thamrin

PA2277 **Oscillometry changes with body position and correlates with TLC and lung density**
Ronald Dandurand (Beaconsfield, Canada), Ronald J. Dandurand, Myriam Dandurand, Rafel Bordas, Raúl San José Estépar, Jean Bourbeau, David H. Eidelman

PA2278 **Acute effects of air stacking maneuver on chest wall volumes and peak cough flow in healthy subjects**
Antonio Sarmento (Sousa, Brazil), Antonio Sarmento, Vanessa Resqueti, Illia Lima, Lucien Peroni Gualdi, Guilherme Fregonezi, Andrea Aliverti, Dornelas de Andrade Armele

PA2279 **Maximum voluntary ventilation in a Mexican population living at 2240 m above sea level**
Silvia Cid Juarez (Vera Cruz, Mexico), Silvia Cid Juárez, Luis Torre Bouscolet, Laura Graciela Gochicoa Rangel, Rogelio Pérez Padilla

PA2280 **FEV3/FVC ratio in early detection of airway obstruction**
Cláudia Sofia Vaz Guerreiro (Faro, Portugal), Cláudia Guerreiro, Patrícia Dionísio, Inês Ribeiro, Susana Moreira, João Valença, Dina Escaleira, Cristina Bárbara

PA2281 **The effect of duration and number of measurements on respiratory resistance and reactance in airways disease**
Claude Farah (Five Dock, Australia), Joanna Lyons, Claude Farah, Leigh Seccombe, Gregory King, Cindy Thamrin

PA2282 **Effect of Buteyko breathing retraining method on resting ventilation and asthma control in asthma patients**
Marta Gudjonsdottir (Mosfellsbaer, Iceland), Marta Gudjonsdottir, Monique Van Oosten

PA2283 **Characteristics of COPD tidal breathing patterns measured by structured light plethysmography (SLP): An age, gender, BMI matched study**
Richard W. Iles (Cambridge, United Kingdom), Richard Iles, Shayan Motamedi-Fakhr, Amna Khalid, Rachel Wilson

Hall 14-09 Session 257 12:50 - 14:40

Thematic poster: Pathophysiological mechanisms at different scales: lung, airways, muscles and symptom perception

Chairs : Matteo Bonini (Roma, RM, Italy), Stefan Matecki (Montpellier, France), Nickolas Koulouris (Athens, Greece), Bruno-Pierre Dube (Montreal, Canada)

PA2284 **Asthma symptoms, mannitol reactivity and exercise-induced bronchoconstriction in young athletes**
Kerstin Romberg (Falsterbo, Sweden), Kerstin Romberg, Ellen Tufvesson, Leif Bjermer

PA2285 **Mucociliary clearance (MCC) in the trachea in mild-moderate COPD occurs in spirals**
David Abelson (Mosman, Australia), David Abelson, Clayton Frater, Alice Cottee, Mark Pearson, Lucy Morgan

PA2286	**Lung clearance index (LCI) based on four different alveolar N_2 estimates in a large reference population aged 6-86 years** Maria Strom (Skövde, Sweden), Maria Strom, Birgitta Houltz, Paul D. Robinson, Anders Lindblad, Kent Green, Kim G. Nielsen, Florian Singer, Per Gustafsson
PA2287	**Increase in oxygen uptake to work rate increment (VO_2/ WR) during cardiopulmonary exercise testing: Correlation to COPD severity indicators, including BODE index** Mahsa Mirdamadi (Tehran, Islamic Republic of Iran), Besharat Rahimi, Mahsa Mirdamadi, Enayat Safavi, Hamidreza Abtahi, Soheil Peiman
PA2288	**Comparison of CF and non CF FRC and LCI values measured with Exhalyzer D and Innocor™ devices** Katie Bayfield (London, United Kingdom), Katie Bayfield, Clare Saunders, Eric Alton, Jane Davies
PA2289	**Allergies and exercise-induced bronchoconstriction in young soccer players: A screening strategy** Valerie Bougault (Ronchin, France), Valerie Bougault, François Drouard, Grégory Dupont, Franck Legall, Benoit Wallaert
PA2290	**Cardiorespiratory responses during the 6-minute walk and stepper tests in patients with interstitial lung disease** Baptiste Chehere (Lille, France), Baptiste Chehere, Valérie Bougault, Alice Gicquello, Benoit Wallaert
PA2291	**Cardiorespiratory limitation of the pectus excavatum (PE) and functional changes after surgical correction** Ana Gomez-Bastero Fernandez (Sevilla, Spain), Ana Gomez-Bastero, Mario Boyd, Virginia Almadana, Fernando Cozar, Teodoro Montemayor
PA2292	**Relationship of pulmonary arterial pressure at high altitude with oxygen saturation and exercise test** Akpay Sarybaev (Bishkek, Kyrgyzstan), Almaz Akunov, Abdirashit Maripov, Akpay Sarybaev
PA2293	**Normal age-dependant changes in peripheral airway function in the elderly** Christopher Htun (St Leonards, Australia), Christopher Htun, Samir Lahzami, Darren Luo, Robin Schoeffel, Gregory King
PA2294	**Oxygenation state of the calf muscle during the 6-min walk test in patients with COPD** Tomoko Kutsuzawa (Isehara Kanagawa, Japan), Tomoko Kutsuzawa, Daisaku Kurita, Mayumi Ikeuchi
PA2295	**Normoxic and hypoxic breathing in unilateral and bilateral model of Parkinson's disease** Kryspin Andrzejewski (Warsaw, Poland), Kryspin Andrzejewski, Krystyna Budzinska, Katarzyna Kaczynska
PA2296	**Hypoxic challenge testing in motor neurone disease** Emma Crawford (Shropshire, United Kingdom), Emma Crawford, Helen Stone, Ian Cliff, Karen Morrison, Hardev Pall, Naveed Mustfa
PA2297	**Analysis of autonomic modulation after an acute session of aerobic exercise at different intensities in patients with moderate and severe COPD** Marceli Rocha Leite (Presidente Prudente, Brazil), Marceli Rocha Leite, Ercy Mara Cipulo Ramos, Giovana Navarro Bertolini, Iara Buriola Trevisan, Ana Paula Coelho Figueira Freire, Bruna Spolador de Alencar Silva, Juliana Souza Uzeloto, Giovana Altero Arevalo, Gabriel Faustino Santa Brigida, Renata Marques David, Fabiano Francisco de Lima, Dionei Ramos
PA2298	**Impact of xylomethazoline-mediated airway vasoconstriction on exhaled breath tempearture measured by a novel method: A pilot study** Peter Dimov (Plovdiv, Bulgaria), Peter Dimov, Zdravko Taralov, Kiril Terziyski, Blagoi Marinov, Stefan Kostianev
PA2299	**Cardiopulmonary exercise test as an evaluation tool of respiratory symptoms** Pedro Ulisses Cardoso de Brito (Coimbra, Portugal), Pedro Ulisses Brito, Pedro Ramalho, Lígia Fernandes, Joaquim Moita, Cidalia Rodrigues
PA2300	**Peak oxygen uptake and breathing pattern in COPD patients – A four year longitudinal study** Bente Frisk (Sandsli, Norway), Bente Frisk, Jon A. Hardie, Birgitte Espehaug, Liv I. Strand, Rolf Moe-Nilssen, Tomas M.L. Eagan, Per S. Bakke, Einar Thorsen
PA2301	**Small airways in in sedentary and endurance-trained dystrophic (mdx) mice** Maria Bonsignore (Palermo, Italy), Francesca Rappa, Maria Bonsignore, Monica Frinchi, Giuseppa Mudò, Natale Belluardo, Francesco Cappello, Giuseppe Morici
PA2302	**Utilisation of cardio-pulmonary exercise testing (CPET) to investigate dyspnoea in a respiratory clinic** Edward Parkes (Birmingham, United Kingdom), Edward Parkes, Abigail Bishopp, Vicky Moore, Rahul Mukherjee

Hall 14-10 Session 258 12:50 - 14:40

Thematic poster: Multidimensional analysis of respiratory problems

Chairs : Hanneke A.C. Van Helvoort (Nijmegen, Netherlands), Maurice Hayot (Montpellier, France), Capucine Morelot Panzini (Paris, France), Francesca Polverino (Brookline, United States of America)

PA2303	**LATE-BREAKING ABSTRACT: Maximum oxygen uptake (maxVO2) during a 6-minute step test (6-MST) in healthy people: Validation of a low cost exercise test** George Chrisoherakis (Gerakas, Greece), Georgios Chrisoherakis, Ilias Karabinos, Nikolaos Papanikolaou, Charalambos Papagoras, Panagiota Kostaki, Anastasios Papadopoulos, Emmanouil Zachariadis
PA2304	**LATE-BREAKING ABSTRACT: The value of near infrared spectroscopy in the investigation of peripheral muscle oxygen availability in pulmonary arterial hypertension** Marios Panagiotou (Athens, Greece), Marios Panagiotou, Ioannis Vogiatzis, Zafeiris Louvaris, Julien S. Baker, Andrew J. Peacock, Martin K. Johnson
PA2305	**LATE-BREAKING ABSTRACT: Functional and clinical correlations of daily physical activity in patients with pulmonary arterial hypertension** Marios Panagiotou (Athens, Greece), Marios Panagiotou, Martin K. Johnson, Zafeiris Louvaris, Julien S. Baker, Andrew J. Peacock, Ioannis Vogiatzis
PA2306	**LATE-BREAKING ABSTRACT: Deoxyhemoglobin kinetic and performance of respiratory muscles during maximal incremental exercise** Ferid Oueslati (Amiens, France), Ferid Oueslati, Zouhair Tabka, Said Ahmaidi
PA2307	**LATE-BREAKING ABSTRACT: Reference equations for pulmonary diffusing capacity of CO and NO in adult Caucasians** Mathias Munkholm (Copenhagen, Denmark), Mathias Munkholm, Jacob Louis Marott, Lars Bjerre-Kristensen, Flemming Madsen, Ole Find Pedersen, Peter Lange, Børge Nordestgaard, Jann Mortensen
PA2308	**Anemia in COPD patients of Korean obstructive lung disease (KOLD) cohort** Joo Hun Park (Suwon, Republic of Korea), Joo Hun Park, Seungsoo Sheen, Jae Seung Lee, Yeon-Mok Oh, Ji-Hyun Lee, Kwang Ha Yoo, Ho Il Yoon, Sang-Do Lee
PA2309	**Blood pressure response to altitude exposure in patients with COPD** Esther Irene Schwarz (Zurich, Switzerland), Esther I. Schwarz, Tsogyal D. Latshang, Michael Furian, Deborah Flück, Sebastian Segitz, Séverine Müller-Mottet, Silvia Ulrich-Somaini, Konrad E. Bloch, Malcolm Kohler
PA2310	**Physical activity is an important determinant of arterial stiffness in COPD** Noriane Sievi (Zurich, Switzerland), Noriane Sievi, Daniel Franzen, Malcolm Kohler, Christian Clarenbach
PA2311	**Pulmonary burden in C57Bl/6 mice infected with plasmodium berghei strains NK65 or ANKA** Walter Araùjo Zin (Rio de Janeiro, Brazil), Walter Zin, Gaudio Sena, Giovanna Carvalho, Thamyres Silva, Daniel Silva, Douglas Riva, Patricia Reis, Hugo Faria-Neto
PA2312	**LVRS improves endothelial function and blood pressure in patients with COPD: A randomized-controlled trial** Christian Clarenbach (Zurich, Switzerland), Christian Clarenbach, Noriane Sievi, Matthias Brock, Didier Schneiter, Walter Weder, Malcolm Kohler
PA2313	**Effect of time from last food intake on the respiratory exchange ratio** Mehrnaz Asadi Ghrabaghi (Tehran, Islamic Republic of Iran), Hamidreza Abtahi, Mehrnaz Asadi Gharabaghi, Mehdi Azimi
PA2314	**Clinical study of n-CPAP elicited change in nasal airflow partitioning as potential cause of mucosal drying** David White (Auckland, New Zealand), David White, Jim Bartley, Muhammad Shakeel, Cameron Hughes
PA2315	**Identification of MDA associated clusters in exhaled breath samples of patient measurements from GC-IMS spectra** Gunther Becher (Bernau, Germany), Gunther Becher, Roman Purkhart, Jörg Schulz, Stephan Heymann, Werner Schüler
PA2316	**Assessing dynamic changes in plasma apelin concentration in response to maximal exercise in man** Svyatoslav Kechyn (Margate, United Kingdom), Svyatoslav Kechyn, Gareth Barnes, Luke Howard
PA2317	**Ventilatory pattern during sequential swallowing in healthy adults** Yacine Ouahchi (Tunis, Tunisia), Yacine Ouahchi, Nour Abdelhedi, Meriem Mjid, Sonia Toujani, Nozha Ben Salah, Nadia Mehiri, Béchir Louzir, Jouda Cherif, Majed Beji
PA2318	**Effects of combined aerobics and circuit training on lung function and quality of life- Findings from a Nigerian population** Ayodele Akinremi (Ibadan, Nigeria), Ayodele Akinremi, Arinola Sanusi, Arionla Sanya
PA2319	**Relative accuracy of patients' interpretation of distance - An assessment of exercise tolerance** Helen Davies (Cardiff, United Kingdom), P.P. Kiritharamohan, M.C. Lazarou, H.E. Davies
PA2320	**Breathlessness perception in COPD: Relationship with exacerbation frequency** Giulia Scioscia (Lucera, Italy), Giulia Scioscia, Isabel Blanco, Ebymar Arismendi, Felip Burgos, Concepción Gistau, Maria Pia Foschino, Alvar Agusti

PA2321 **The cardiopulmonary exercise testing as a predictive tool of sleep apnea syndrome**
Eleni Karetsi (Larisa, Greece), Vasileios Stavrou, George Vavougios, Chaido Pastaka, Zoe Daniil, Konstantinos Gourgoulianis, Eleni Karetsi

Hall 14-11 Session 259 12:50 - 14:40

Thematic poster: Inflammation, biomarkers and hypoxia in sleep disordered breathing

Chairs : Johan Verbraecken (Edegem (Antwerp), Belgium), Malcolm Kohler (Zurich, Switzerland), Stefan Andreas (Immenhausen, Germany), Ingo Fietze (Berlin, Germany)

PA2322 **Is there a relationship between OSAS severity and Nesfatin-1?**
Elif Yilmazel Uçar (Erzurum, Turkey), Omer Araz, Elif Yilmazel Ucar, Metin Akgun

PA2323 **Serum midkine levels in patients with obstructive sleep apnea**
Hakan Tanriverdi (Zonguldak, Turkey), Hakan Tanriverdi, Firat Uygur, Murat Can, Bülent Altinsoy, Fatma Erboy, Tacettin örnek, Füruzan Köktürk, Meltem Tor, Figen Atalay

PA2324 **Severity of obstructive sleep apnea and oxidative stress**
Ivan Cekerevac (Kragujevac, Republic of Serbia), Ivan Cekerevac, Marina Petrovic, Zorica Lazic, Ljiljana Novkovic, Vojislav Cupurdija

PA2325 **Albuminuria in moderate and severe obstructive sleep apnoea (OSA) patients**
Robert Plywaczewski (Warsaw, Poland), Robert Plywaczewski, Anna Czyzak-Gradkowska, Przemyslaw Bielen, Pawel Sliwinski

PA2326 **Is snoring the cause of oxidative stress in airways in obstructive sleep apnea patients?**
Juan Alejandro Cascón Hernandez (Paris, France), Juan Cascon, Ramon Fernandez, Gemma Rubinos, Rebeca Alonso, Marta Iscar, Maria Vazquez, Begoña Palomo, Pere Casan

PA2327 **Asymmetric dimethylarginine concentration in patients with obstructive sleep apnea**
Pawel Kicinski (Lublin, Poland), Pawel Kicinski, Andrzej Dybala, Maciej Zakrzewski, Marcin Urbanczuk, Wojciech Myslinski, Jerzy Mosiewicz, Andrzej Jaroszynski

PA2328 **Impact of CPAP treatment on pro-BNP in obstructive sleep apnea syndrome**
Sameh msaad (Sfax, Tunisia), Sameh M'Saad, Malek Grati, Rim Marrakich, Rania Gargouri, Samy Kammoun, Kamel Jamoussi

PA2329 **Obstructive sleep apnea and the risk of chronic kidney disease – glomerular filtration rate estimations based on serum cystatin C and creatinine concentrations**
Adam Nowinski (Warsaw, Poland), Adam Nowinski, Anna Czyzak-Gradkowska, Damian Korzybski, Luiza Jonczak, Przemyslaw Bielen, Robert Plywaczewski, Pawel Sliwinski

PA2330 **Heat shock proteins, L-arginine, and asymmetric dimethylarginine levels in patients with obstructive sleep apnea syndrome**
Erdal In (Elazig, Turkey), Erdal In, Sinem Nedime Sökücü, Cengiz özdemir, Dilara Kaman

PA2331 **Relation of ghrelin, obestatin levels and ghrelin/obestatin ratio with sleep quality**
Deniz Kizilirmak (Ankara, Turkey), Deniz Kizilirmak, Bülent Bozkurt

PA2332 **The positive effect of CPAP therapy on the level of liver enzymes in obstructive sleep apnea patients**
Milada Hobzová (Olomouc, Czech Republic), Milada Hobzova, Ondrej Ludka, Radka Stepanova, Milan Sova, Eliska Sovova

PA2333 **OSA results in nocturnal cerebral hypoxia which is prevented by CPAP - Data from a randomised controlled trial**
Esther Irene Schwarz (Zurich, Switzerland), Esther I. Schwarz, Michael Furian, Christian Schlatzer, John R. Stradling, Malcolm Kohler, Konrad E. Bloch

PA2334 **Breathing and sleep disturbances in lowlanders with COPD travelling to 2590m**
Tsogyal D. Latshang (Chur, Switzerland), Tsogyal D. Latshang, Michael Furian, Deborah Flueck, Séverine Mueller-Mottet, Batyr Osmonov, René P.M. Tardent, Silvia Ulrich, Malcolm Kohler, Konrad E. Bloch

PA2335 **Renin and aldosterone levels in obstructive sleep apnea syndrome patients**
Dimosthenis Lykouras (Patras, Greece), Dimosthenis Lykouras, Kleanthis Theodoropoulos, Olga Lagiou, Fotios Sampsonas, Michail Lykouras, Agathi Spiropoulou, Apostolos Voulgaridis, Maria Tsiamita, Christodoulos Flordellis, Theodore Alexandrides, Kiriakos Karkoulias, Kostas Spiropoulos

PA2336 **Effects of continuous positive airway pressure therapy in patients with severe obstructive sleep apnea and endothelial dysfunction on 24-hour blood pressure profile**
Fabian Bischof (Regensburg, Germany), Fabian Bischof, József Egresits, Andrea Hetzenecker, Michael Arzt, Richard Schulz, Winfried J. Randerath, Wolfgang Galetke, Stephan Budweiser, Georg Nilius

PA2337	**The effect of CPAP on blood pressure in patients with OSAS and resistant hypertension followed 1 year** Oana Claudia Deleanu (Bucarest, Romania), Oana Claudia Deleanu, Andra Elena Malaut, Ana Maria Nebunoiu, Alexandra Roberta Sandu, Miruna Mihaela Micheu, Corina Ioana Oprea, Ion Mierlus Mazilu, Florin Dumitru Mihaltan

Hall 14-12 Session 260 12:50 - 14:40

Thematic poster: Measuring sleep-disordered breathing in children and adults I: questionnaires, epidemiology and sleep studies

Chairs : Athanasios G Kaditis (Athens, Greece), Athanasia Pataka (Panorama Thessaloniki, Greece), Elizabeth Hill (Edinburgh, United Kingdom), Richard Staats (Murches, Portugal)

PA2338	**Association between snoring and wheezing in aged Japanese general population** Hiroo Wada (Tokyo, Japan), Hiroo Wada, Katsunori Kondoh, Takeshi Tanigawa
PA2339	**Prevalence of physician-diagnosed asthma in patients with suspected obstructive sleep apnea syndrome: A cross-sectional analysis of the ESADA database** Geraldine Lo Grasso (Palermo, Italy), Geraldine Lo Grasso, Fabio Cibella, Paschalis Steiropoulos, Claudia Gruttad'Auria, Verbraecken Johan, Sliwinski Pawel, Jan Hedner, Ludger Grote, Oreste Marrone, Maria Bonsignore
PA2340	**Obstructive sleep apnea syndrome: How are we in Portugal?** Paula Maria Gonçalves Pinto (Lisbon, Portugal), Ana Paula Rodrigues, Paula Pinto, Baltazar Nunes, Cristina Bárbara
PA2341	**Multimorbidity is a risk factor for obstructive sleep apnea-hypopnea syndrome in ageing** Zoe Daniil (Larisa, Greece), Christos Kleisiaris, Evangelos Kritsotakis, Zoe Daniil, Foteini Malli, George Markakis, Ioanna Papathanasiou, Konstantinos Gourgoulianis
PA2342	**Prevalence of obstructive sleep apnea syndrome and CPAP adherence in the elderly Chinese population** Susanna SS Ng (Hong Kong, Hong Kong), Susanna S.S. Ng, Tat-On Chan, Kin-Wang To, Ken Chan, Jenny Ngai, Fanny Ko, David S.C. Hui
PA2343	**Stop-Bang questionnaire in obstructive sleep apnea syndrome: A severity predictor** Dinora Polanco Alonso (Zaragoza, Spain), Maria Teresa Martin Carpi, Dinora Polanco Alonso, Sara García Marín, Clara Viñado Mañes, Ana Lucia Figueredo Cacacho, Carolina Panadero Paz, Sandra Garcia Saez, José María Marín Trigo, Enrique Chacón Vallés, Salvador Bello Dronda
PA2344	**Assessment of end-tidal CO_2 during sleep in children with idiopathic epilepsy. Is it associated with seizure control?** Maria Gogou (Katerini, Greece), Maria Gogou, Katerina Haidopoulou, Evangelos Pavlou, Efterpi Pavlidou, Maria Hatzistylianou, Maria Eboriadou
PA2345	**Sleep disordered breathing in children with congenital heart disease** Noor Zehan Abdul Rahim (Kuala Lumpur, Malaysia), Noor Zehan Abdul Rahim, Mark Rosenthal, Anita Simonds, HuiLeng Tan
PA2346	**Comparison of blood pressure measured by cuff and calculated from pulse transient time and influence of arousals by cuff inflation on blood pressure level- Pilot study** Milan Sova (Olomouc, Czech Republic), Milan Sova, Eliska Sovova, Milada Hobzova, Monika Kamasova, Irena Kuca, Jana Zapletalova, Vitezslav Kolek
PA2347	**Differences between patients with overlap syndrome (COPD + OSAS) and patients with OSAS** Juan R Fernández-Lahera Martínez (Madrid, Spain), J. Fernández-Lahera, F. Martínez Muñoz, M. Martínez Redondo, I. Artíles, R. Casitas, R. Galera, C. Carpio, I. Fernández, F. García Río, R. Alvarez-Sala
PA2348	**Clinical significance of transcutaneous PCO2 in patients with obstructive sleep apnea syndrome** Esteban Cesar Gabazza Sanabria (Tsu-Mie, Japan), Tadashi Sakaguchi, Osamu Hataji, Haruko Saiki, Esteban C. Gabazza, Corina D'Alessandro-Gabazz, Yoichi Nishii, Tetsu Kobayashi, Osamu Taguchi
PA2349	**Physical activity energy expenditure(PAEE) device for sleep stage analysis** Liang-Wen Hang (Taichung, Taiwan), Liang-wen Hang, Shinin-Jye Liang, Yung-Ming Chung, Yu-Hsiang Wang
PA2350	**Rosenberg self-esteem evaluation is correlated with insomnia, not with sleep apnea** Nikolaos Chavouzis (Thessaloniki, Greece), Nikolaos Chavouzis, Katalin Fekete-Passa, Athanasia Pataka, Georgios Kalamaras, Vasilios Mpagkalas, Georgia Pitsiou, Ioannis Stanopoulos, Theodoros Kontakiotis, Paraskevi Argyropoulou
PA2351	**Transition from obstructive sleep apnea (OSA) to obesity hypoventilation syndrome (OHS)** Marcel Treml (Solingen, Germany), Marcel Treml, Norbert Anduleit, Wiebke Dohrn, Christina Priegnitz, Winfried Randerath

PA2352	**Impact of pulmonary hypertension on reduction of right ventricular longitudinal strain in patients with obstructive sleep apnea syndrome** Angelo Canora (Naples, Italy), Angelo Canora, Sabrina Castaldo, Ciro Santoro, Agostino Buonauro, Roberta Esposito, Bruno Trimarco, Alessandro Sanduzzi Zamaparelli, Maurizio Galderisi, Marialuisa Bocchino
PA2353	**Sleep disordered breathing in patients with cardiovascular comorbidities hospitalized for pulmonary disease** Alessandra Castrogiovanni (Palermo, Italy), Alessandra Castrogiovanni, Christina Priegnitz, Marcel Treml, Pierpaolo Baiamonte, Claudia Gruttad'Auria, Maria Bonsignore, Winfried Randerath
PA2354	**Screening for sleep-disordered breathing in a bariatric population** Kate Reed (London, United Kingdom), Kate Reed, Martino Pengo, Joerg Steier

Hall 14-13 Session 261 12:50 - 14:40

Thematic poster: Measuring sleep-disordered breathing in children and adults II: questionnaires, epidemiology and sleep studies

Chairs : Neil Skjodt (Lethbridge, Canada), Ruzena Tkacova (Kosice, Slovakia), Jan A. Hedner (Goteborg, Sweden), Sophia E. Schiza (Heraklion, Crete, Greece)

PA2355	**Assessing the role of cerebral autoregulation during intrathoracic pressure changes by near infrared spectroscopy (NIRS)** Marco Laures (Suhr, Switzerland), Marco Laures, Nina Bolz, Zhongxing Zhang, Armand Mensen, Christoph Schmidt, Ramin Khatami
PA2356	**Is it possible to check whether two measurements was performed on the same patient using pulsoximetric pulse wave signal characteristics?** Jakub Radlinski (Rabka-Zdrój, Poland), Jakub Radlinski, Ding Zou, Ludger Grote, Jan Hedner, Waldemar Tomalak
PA2357	**Phenotyping comorbidity in obstructive sleep apnea syndrome** George Vavougios (Larissa, Greece), George Vavougios, George Natsios, Chaido Pastaka, Sotirios Zarogiannis, Konstantinos Gourgoulianis
PA2358	**Are respiratory events and/or arousals during each sleep stage different by upper airway collapsibility?** Hideaki Nakayama (Shinjuku-ku, Japan), Hideaki Nakayama, Mika Kobayashi, Mariko Yanagihara, Eiki Ito, Satoru Tsuiki, Satoshi Kasagi, Yasuhiro Setoguchi, Yuuichi Inoue
PA2359	**The STOP Bang score: Analysis on anthropomorphic variables** Paolo Righini (Turin, Italy), Paolo Righini, Valter Gallo, Giovanni Maria Ferrari, Alessandro Oliva, Roberto Prota
PA2360	**Should patients with possible obstructive sleep apnoea (OSA) be screened with overnight pulse oximetry or multichannel sleep studies as a first line diagnostic tool?** Alison Butler (Sutton Coldfield, United Kingdom), Alison Butler, Julie Lloyd
PA2361	**Symptoms of laryngopharyngeal reflux in patients with obstructive sleep apnea** Meriem Mjid (Bab Saadoun/Tunis, Tunisia), Meriem Mjid, Rihab Bey, Sonia Toujani, Yassine Ouahchi, Asma Sebii, Nozha Ben Salah, Abdelmajid Ben Hmida, Bechir Louzir, Nadia Mhiri, Jouda Cherif, Majed Beji
PA2362	**The phenotypic and polysomnographic features of REM related obstructive sleep apnea syndrome patients** Önder Öztürk (Isparta, Turkey), Oguz Celik, Onder Ozturk, Ahmet Akkaya
PA2363	**Gender differences in obstructive sleep apnea syndrome** En-Ting Chang (Hualien, Taiwan), En-Ting Chang, Hsiu-Mei Wang
PA2364	**The phenotypic and polysomnographic features of positional obstructive sleep apnea syndrome patients** Önder Öztürk (Isparta, Turkey), Seher Karakus, Onder Ozturk, Ahmet Akkaya
PA2365	**Phenotypical features of obstructive sleep apneas and hypopneas in children with epilepsy in comparison to healthy children** Maria Gogou (Katerini, Greece), Maria Gogou, Katerina Haidopoulou, Evangelos Pavlou, Efterpi Pavlidou, Maria Hatzistylianou, Maria Eboriadou
PA2366	**Obstructive sleep apnoea and hypothyroidism** othman lamine (Ariana, Tunisia), O. Neffati, H. Zaibi, B. Dhahri, J. Ben Ammar, M.A. Baccar, S. Azzabi, H. Aouina
PA2367	**Overnight changes in lung function in patients with obstructive sleep apnoea** Fruzsina Martinovszky (Nyíregyháza, Hungary), Fruzsina Martinovszky, Monika Zsolyomi, Adam Tarnoki, David Tarnoki, Gyorgy Losonczy, Laszlo Kunos, Andras Bikov
PA2368	**CPAP treatment response in obstructive sleep apnea using the AERScore predictor** Alexandru Topirceanu (Timisoara, Romania), Alexandru Topirceanu, Lucretia Udrescu, Stefan Mihaicuta

PA2369	**Polysomnography in Pompe disease** Ana Luísa Pereira Vieira (Braga, Portugal), Ana Vieira, Mafalda Ferreira, Joaquim Moita
PA2370	**Association between respiratory events and nocturnal gastroesophageal reflux events in patients with coexisting obstructive sleep apnea and gastroesophageal reflux disease** Warangkana Tantipornsinchai (Bangkok, Thailand), Warangkana Tantipornsinchai, Nattapong Jaimchariyatam, Sutep Gonlachanvit, Tayard Desudchit

Hall 14-14 Session 262 12:50 - 14:40

Thematic poster: Measuring sleep-disordered breathing in children and adults III: questionnaires, epidemiology and sleep studies

Chairs : Winfried J. Randerath (Solingen, Germany), Maria Bonsignore (Palermo, Italy), Paschalis Steiropoulos (Alexandroupolis, Greece), Jose Maria Montserrat Canal (Barcelona, Spain)

PA2371	**Effects of CPAP on energy balance in patients with obstructive sleep apnea** Ryo Tachikawa (Kyoto, Japan), Ryo Tachikawa, Kaori Ikeda, Takeshi Matsumoto, Satoshi Hamada, Masanori Azuma, Kimihiko Murase, Kiminobu Tanizawa, Morito Inouchi, Toru Oga, Nobuya Inagaki, Michiaki Mishima, Kazuo Chin
PA2372	**Prevalence of positional obstructive sleep apnea and patients characteristics using various definitions** Rasmus Rude Laub (Copenhagen, Denmark), Rasmus Rude Laub, Kim Lyngby Mikkelsen, Philip Tønnesen
PA2373	**Type 2 diabetes and the risk for obstructive sleep apnoea in Nigeria** Victor Umoh (Calabar, Nigeria), Victor Umoh, Effiong Akpan, Obeten Ekpo, Mfon Ekwere, Etete Peters, John Ekott
PA2374	**Determinants of subclinical atherosclerosis in patients with obstructive sleep apnoea** Ivana Tomeckova (Presov, Slovakia), Ivana Tomeckova, Miriam Kozarova, Darina Petrasova, Ivana Paranicova, Zuzana Malachovska, Ivan Tkac, Pavol Joppa, Ruzena Tkacova
PA2375	**Evaluation of the significance of Epworth sleepiness scale among 687 patients with suspected sleep apnea** Rasmus Rude Laub (Copenhagen, Denmark), Rasmus Rude Laub, Kim Lyngby Mikkelsen, Philip Tønnesen
PA2376	**Sleep disorder in patients receiving hemodialysis** Hind Janah (Casablanca, Morocco), Wiam El Khattabi, Hind Janah, Hasna Jabri, Hicham Afif
PA2377	**Gender differences in sleep disordered breathing** Eva Lindberg (Uppsala, Sweden), Eva Lindberg, Bryndis Benediktsdottir, Karl A. Franklin, Mathias Holm, Ane Johannessen, Rain Jögi, Thorarinn Gislason, Francisco Gomez Real, Vivi Schlünssen, Christer Janson
PA2378	**Hemodynamic response on sleep disordered breathing in obese subjects: Differences between N2 and REM stage** Dina Grencho (Lisbon, Portugal), Dina Grencho, Richard Staats, Claudia Pereira, Dina Fernandes, Susana Moreira
PA2379	**Obstructive sleep apnea syndrome and cardiometabolic disorders – Is there an association?** Andreea Coman (Cluj-Napoca, Romania), Doina Adina Todea, Andreea Codruta Coman
PA2380	**Prevalence of nocturia in obstructive sleep apnea syndrom** Amani Ben Mansour (Tunis, Tunisia), Amani Ben Mansour, Haifa Zaibi, Jihen Ben Ammar, Bassma Dahri, Mohamed Ali Baccar, Saloua Azzabi, Hichem Aouina
PA2381	**Catathrenia: A 10 year revision** Catarina Carvalho de Oliveira Dias (Matosinhos, Portugal), Catarina Dias, Liliana Sousa, Lucia Batata, Maria Fatima Teixeira, Jose Moutinho Santos
PA2382	**Circadian rhythm of melatonin in patients with sleep-disordered breathing** Radoslav Bilyukov (Sofia, Bulgaria), Radoslav Bilyukov, Martin Nikolov, Radostina Cherneva, Daniela Petrova, Ognyan Georgiev, Tsanko Mondeshki, Vihra Milanova, Adelina Tsakova, Ventsislava Pencheva
PA2383	**Obstructive sleep apnea (OSA) in young and elderly patients – Does age matter?** Amani Ben Mansour (Tunis, Tunisia), Amani Ben Mansour, Haifa Zaibi, Bassma Dahri, Jihen Ben Ammar, Mohamed Ali Baccar, Saloua Azzabi, Hichem Aouina
PA2384	**Severe obstructive sleep apnea syndrome in elderly population: A prospective study of 80 patients** Ikbel Khalfallah (Nabeul, Tunisia), Ikbel Khalfallah, Manel Loukil, Imen Ismail, Imed Naceur, Hedia Ghrairi
PA2385	**Prevalence of clinical symptoms of sleep apnea hyponea syndrome during pregnancy** Sameh msaad (Sfax, Tunisia), Sameh M'Saad, Imene Badri, Jihene Trabelsi, Faten Marouen, Samy Kammoun
PA2386	**Spatial QRS-T angle in patients with obstructive sleep apnea – Impact of cardiac and metabolic comorbidities** Pawel Kicinski (Lublin, Poland), Pawel Kicinski, Andrzej Dybala, Todd Schlegel, Maciej Zakrzewski, Marcin Urbanczuk, Wojciech Myslinski, Jerzy Mosiewicz, Andrzej Jaroszynski

PA2387 **Mutual influense of airway hyperresponsiveness and obstructive sleep apnea in patients with asthma**
Elizaveta Sheludko (Blagoveshchensk, Amur Oblast, Russian Federation), Elizaveta Sheludko, Denis Naumov, Anna Prikhodko, Juliy Perelman, Victor Kolosov

PA2388 **Association of sleep-disordered breathing and disturbed cardiac repolarization in patients with ST-segment elevation myocardial infarction**
Alina Marcinek (Greifswald, Germany), Alina Marcinek, Andrea Hetzenecker, Stefan Buchner, Kurt Debl, Anderas Luchner, Oliver Husser, Okka W. Hamer, Florian Porschenrieder, Claudia Fellner, Malcom Kohler, Lars S. Maier, Michael Pfeifer, Michael Arzt

PA2389 **The effect of BPAP therapy on basal metabolism rate in patients with obesity hypoventilation syndrome**
lknur Basyigit (Kocaeli, Turkey), Gonca Dogru, Hasim Boyaci, Serap Argun Baris, Tugba Onyilmaz, Ilknur Basyigit, Fusun Yildiz

PA2390 **Can sleep apnea be a secondary cause of osteoporosis in young people?**
brahim Hikmet Firat (Ankara, Turkey), Hikmet Firat, Melike Yuceege, Deniz Dulgeroglu, Ali Yalcindag

Hall 14-15 Session 263 12:50 - 14:40

Thematic poster: To treat or not to treat, and how? Sleep-disordered breathing I

Chairs : Wilfried De Backer (Edegem (Antwerp), Belgium), Dirk A.A. Pevernagie (Heeze, Netherlands), Viliam Donic (Košice, Slovakia), Chair to be confirmed

PA2391 **Continuous positive airway pressure therapy for obstructive sleep apnoea: Do patients who request to have a copy of their letters have better compliance?**
Katie Chong (London, United Kingdom), Katie Chong, Ian Smith

PA2392 **Predictors of titrating pressure using A-CPAP in obstructive sleep apnea**
Margarida Dias (Vila Nova de Gaia, Portugal), Margarida Dias, Daniela Ferreira, Ana Antunes

PA2393 **A randomized controlled study to examine the effect of lifestyle modification program in obstructive sleep apnea**
Susanna SS Ng (Hong Kong, Hong Kong), Susanna S.S. Ng, Ruth S.M. Chan, Jean Woo, Tat-On Chan, Bernice H.K. Cheung, Mandy M.M. Sea, Kin-Wang To, Ken Chan, Jenny Ngai, Wing-Ho Yip, Fanny W.S. Ko, David S.C. Hui

PA2394 **Effect of sleep disordered breathing on postural stability**
Francis Degache (Lausanne, Switzerland), Francis Degache, Yannick Goy, Sopharat Vat, Jose Haba-Rubio, Olivier Contal, Raphael Heinzer

PA2395 **PAP therapy impact on COPD exacerbations rate in patients with overlap syndrome**
Luisa Maria do Nascimento dos Santos (Mirandela, Portugal), Luísa Nascimento, Rita Gomes, Catia Saraiva, Marta Drummond

PA2396 **Effects of 1 year of treatment with nocturnal CPAP in overlap syndrome**
Annia Fleur Schreiber (Turin, Italy), Annia Schreiber, Sara Surbone, Alberto Malovini, Piero Ceriana, Marco Mancini, Nathalie Tedeschi, Giancarlo Piaggi, Annalisa Carlucci

PA2397 **Factors determining continuous positive airway pressure (CPAP) compliance in obstructive sleep apnea (OSA)**
Moussa Riachy (Beirut, Lebanon), Moussa Riachy, Samer Najem, Mirella Iskandar, Jad Choucair, Ihab Ibrahim

PA2398 **Comparison between home and hospital set-up for unattended home-based polysomnography: A prospective randomised study**
Marie Bruyneel (Rhode, Belgium), Marie Bruyneel, Walter Libert, Lieveke Ameye, Vincent Ninane

PA2399 **Positional therapy may be a cheap and effective alternative to continuous positive airway pressure in positional obstructive sleep apnoea**
Deirdre Fitzgerald (Cork, Ireland), Deirdre Fitzgerald, Liam Chawke, Ann O'Mahony, Michelle Balicaco, Terry O'Connor, David Curran

PA2400 **Can the OSLER MWT be improved?**
Christopher Turnbull (Oxford, United Kingdom), Christopher Turnbull, Sonya Craig, Malcolm Kohler, John Stradling

PA2401 **Validation of APAP with P-Flex: A novel pressure delivery method**
Linda Makhlouf (Carquefou, France), Linda Makhlouf, François Codron, François Jounieaux, Catherine Lamblin, Jean-Marc Dernis, Marc Bure, François Fortin, Thibaut Gentina

PA2402 **Clinical validation of a novel FOT-based APAP device for treatment of obstructive sleep apnea**
Georg Nilius (Dortmund, Germany), Georg Nilius, Marcel Treml, Christina Priegnitz, Ulrike Domanski, Maik Schröder, Monika Bähr, Dora Triché, Martina Bögel, Christof Schröter, Karin Pietruska, Matthias Schwaibold, Thorsten Piepgras, Joachim H. Ficker, Winfried J. Randerath

PA2403	**REM rebound during CPAP titration as a predictor of chronic CPAP compliance** Johan Verbraecken (Edegem (Antwerp), Belgium), Timothy Vranken, Ilse De Volder, Ann Van Gastel, Evert Hamans, Olivier Vanderveken, Paul Van de Heyning, Wilfried De Backer, Johan Verbraecken
PA2404	**Inspiratory flow limitation analysis improves ambulatory CPAP titration monitoring** Neil Skjodt (Lethbridge, Canada), Samaneh Sarraf, Ronald S. Platt, Neil M. Skjodt
PA2405	**The accuracy of BPAP determined apnea-hypopnea index** Hatice Uluçoban Dede (Antalya, Turkey), Hatice Uluçoban Dede, Aykut çilli
PA2406	**Comparison of the effect of continuous positive airway pressure and mandibular advancement devices on blood pressure in patients with obstructive sleep apnea: A network meta-analysis** Daniel Bratton (Zurich, Switzerland), Daniel Bratton, Thomas Gaisl, Annette Marie Wons, Malcolm Kohler
PA2407	**Obstructive sleep apnoea and post-operative complications** Thilini Basnayake (Victoria, Australia), Thilini Basnayake, Amalia Karahalios, Lynette Reid-Price, David Bramley, Anne Marie Southcott
PA2408	**Reductions in body weight and sleep apnea severity in morbidly obese subjects – Which factors contribute to improvements in lung function and blood gases?** Anne Marie Gabrielsen (Skien, Norway), Anne Marie Gabrielsen, Jøran Hjelmesæth, May Brit Lund, Jan Magnus Fredheim, Sverre Lehmann, Dag Hofsø
PA2409	**Clinical predictors of obesity hypoventilation syndrome in morbidly obese subjects with obstructive sleep apnoea** Silke Ryan (Dublin, Ireland), Silke Ryan, Audrey Russell, Geraldine Nolan, Walter McNicholas

Hall 14-16 Session 264 12:50 - 14:40

Thematic poster: To treat or not to treat? Sleep-disordered breathing II

Chairs : Renata L. Riha (Edinburgh, United Kingdom), Refika Hamutcu Ersu (Istanbul, Turkey), Maria Pia Villa (Rome, Italy), Juan Fernando Masa Jiménez (Cáceres, Spain)

PA2410	**Evaluation of lipid profile in patients with obstructive sleep apnea syndrome** Taha Tahir Bekci (Konya, Turkey), Ozgur Ocal, Taha Bekci, Samil Ecirli
PA2411	**Association between smoking and concomitant diseases in obstructive sleep apnoea (OSA)** Robert Plywaczewski (Warsaw, Poland), Robert Plywaczewski, Anna Czyzak-Gradkowska, Przemyslaw Bielen, Pawel Sliwinski
PA2412	**The value of Berlin questionnaire to identify patients at risk for the sleep apnea syndrome in the periodical medical examinations in companies** Adriana Arantes (Rio de Janeiro, Brazil), Adriana Arantes, Anne Santanna, Ana Paula Mendonça, Rosângela Cruz, Denise Cortês, Adriana Carvalho, Eduardo Pinto, Fernando Varzim, Marília Santanna, Denise Renzeti, Valéria Pacheco, Roberto Ferreira, Márcio Carvalho, Karla Garcia, Oziel Tardin
PA2413	**Patterns of CPAP usage in patients with minimally symptomatic OSA** Christopher Turnbull (Oxford, United Kingdom), Christopher Turnbull, Daniel Bratton, Sonya Craig, Malcolm Kohler, John Stradling
PA2414	**Short term effects of neck-based treatment and monitoring device for positional obstructive sleep apnea** Simone Scarlata (Rome, Italy), Simone Scarlata, Isaura Rossi Bartoli, Simona Santangelo, Gilda Giannunzio, Raffaele Antonelli Incalzi
PA2415	**Tri-level ventilation versus CPAP treatment in treatment of complex sleep apnoea syndrome** Syed Mehdi (Bolton, United Kingdom), Syed B. Mehdi, Imran Satia, Charlotte Mitchell, Lisa Butler, Claire Goulden, Linda Corner, Salem Madi
PA2416	**Impact of a custom-made mandibular repositioning device (MRD) on blood pressure (BP) in obstructive sleep apnea (OSA) patients noncompliant with continuous positive airway pressure (CPAP)** Valérie Attali (Paris, France), Valérie Attali, Marie-Pia D'Ortho, Damien Leger, Christelle Monaca, Pierre-Jean Monteyrol, Laurent Morin, Eric Mullens, Bernard Pigearias, Jean-Claude Meurice, Marie-Françoise Vecchierini
PA2417	**The application of continuous positive airway pressure in an obstructive sleep apnea syndrome accompanied by subconjunctival hemorrhage secondary to hypertensive episodes: A case report** Bikemgül Özkara (Ankara, Turkey), Bikemgul Ozkara, Haldun Sevketbeyoglu, Dilaver Tas, Devrim Deniz
PA2418	**Monoblock appliance for treatment of children with sleep disordered breathing** Refika Hamutcu Ersu (Istanbul, Turkey), Eser Capan, Refika Ersu, Esen Kiyan, Haydar Yener, Ayse Arman, Hulya Kilicoglu

PA2419	**Polysomnography findings in infants with severe bronchopulmonary dysplasia (BPD)** Esther van Mastrigt (Rotterdam, Netherlands), Esther Van Mastrigt, Joel Pichardo, Irwin Reiss, Andre Kroon, Johan De Jongste, Liesbeth Duijts, Koen Joosten, Mariëlle Pijnenburg
PA2420	**Sleep disordered breathing and sleep quality in children with bronchiolitis obliterans** Zeynep Seda Uyan (Istanbul, Turkey), Zeynep Seda Uyan, Ihsan Turan, Pinar Ay, Erkan Cakir, Ersin Ozturk, Ahmet Hakan Gedik, Yasemin Gokdemir, Ela Erdem, Velat Sen, Bulent Karadag, Fazilet Karakoc, Refika Ersu
PA2421	**Oxidative stress in children with OSAS: 8-isoprostane values comparison in urine and exhaled breath condensate (EBC)** Maria Chiara Supino (Rome, Italy), Maria Chiara Supino, Susanna Bonafoni, Melania Evangelisti, Mario Barreto, Maria Pia Villa
PA2422	**Dietary treatment outcomes of mild obstructive sleep apnea in obese community-dwelling children: The NANOS study** Maria Luz Alonso Alvarez (Burgos, Spain), María Luz Alonso-Alvarez, Joaquin Teran-Santos, Estrella Ordax-Carbajo, Monica Gonzalez-Martinez, María Jose Jurado-Luque, Jaime Corral-Peñafiel, Joaquin Duran-Cantolla, Leila Kheirandish-Gozal, David Gozal
PA2423	**Sleep-disordered breathing in children with laryngomalacia** Maria Luz Alonso Alvarez (Burgos, Spain), María Luz Alonso-Alvarez, Estrella Ordax-Carbajo, Ana Isabel Navazo-Egüia, Pedro Pablo Oyágüez-Ugidos, Fernando Gómez-Sáez, Alicia Mirás-Veiga, Jose Cordero-Guevara, Joaquin Terán-Santos
PA2424	**Functional respiratory imaging in obese children and adolescents with obstructive sleep apnea** Monique Slaats (Antwerp, Belgium), Monique Slaats, Wim Vos, Cedric Van Holsbeke, Jan De Backer, Kim Van Hoorenbeeck, An Boudewyns, Wilfried De Backer, Stijn Verhulst
PA2425	**Correlations between anthropometric and metabolic parameters in children with obstructive sleep apnea syndrome (OSAS)** Afroditi Sakellaropoulou (Athens, Greece), Afroditi Sakellaropoulou, Katerina Haidopoulou, Maria Emporiadou, Maria Hatzistilianou
PA2426	**Association of asthma and allergic rhinitis with sleep-disordered breathing in childhood** Paschalis Steiropoulos (Alexandroupolis, Greece), Evanthia Perikleous, Paschalis Steiropoulos, Evangelia Nena, Maria Iordanidou, Athanasios Chatzimichael, Emmanouil Paraskakis
PA2427	**Upper airway stimulation for obstructive sleep apnea: Quality of life outcome after 30 months of follow-up** Johan Verbraecken (Edegem (Antwerp), Belgium), Johan Verbraecken, Winfried Randerath, On Behalf of the STAR Trial Investigators

Hall 14-17 Session 265 12:50 - 14:40

Thematic poster: Pulmonary hypertension: novel insights into the biology of the disease

Chairs : Soni Savai Pullamsetti (Bad Nauheim, Germany), Frederic Perros (le Plessis-Robinson, France), Harm Jan H.J. Bogaard (Amsterdam, Netherlands), Laurent Godinas (Yvoir, Belgium)

PA2428	**LATE-BREAKING ABSTRACT: CFIm25 links alternative polyadenylation to pulmonary hypertension** Harry Karmouty-Quintana (Houston, United States of America), Tingting Weng, Ning-Yuan Chen, Michael Blackburn, Eric Wagner, Harry Karmouty Quintana
PA2429	**Endothelin-1 contributes to the downregulation of BMP/BMPR2 signaling induced by hypoxia** Laurence Dewachter (Brussels, Belgium), Hidekazu Maruyama, Céline Dewachter, Asmae Belhaj, Benoit Rondelet, Myriam Remmelink, Jean-Luc Vachiéry, Robert Naeije, Laurence Dewachter
PA2430	**Obesity aggravates monocrotaline–induced pulmonary hypertension in female Zucker rats** Balram Neupane (Bharatpur, Nepal), Balram Neupane, Djuro Kosanovic, Christina Vroom, Akylbek Sydykov, Hossein Ardeschir Ghofrani, Norbert Weissmann, Friedrich Grimminger, Werner Seeger, Christiane Herden, Ralph Theo Schermuly
PA2431	**Olfactory receptors in pulmonary arterial hypertension: A novel pathway of vascular remodeling?** Audrey Courboulin (Le Plessis-Robinson, France), Audrey Courboulin, Guenhaël Sanz, Sandra Breuils-Bonnet, Marceau Quatredeniers, Matthieu Vocelle, Mathilde Lafond, Frédéric Perros, Sébastien Bonnet, Edith Pajot-Augy, Marc Humbert, Sylvia Cohen-Kaminsky
PA2432	**Analysis of pulmonary endothelial microparticles, haemodynamics and functional class in pulmonary hypertension** Carlos Metz (Homburg / Saar, Germany), Carlos Metz, Heinrike Wilkens, Robert Bals, Ralf Kaiser
PA2433	**Hypoxia-induced pulmonary artery fibroblast proliferation and migration is prevented by ASK1 inhibition in an in vitro cellular model of pulmonary hypertension** Kathryn Wilson (Glasgow, United Kingdom), Kathryn Wilson, Kornelija Suveizdyt, John Liles, Grant Budas, Andrew Peacock, David Welsh

PA2434 **Monosodium urate crystals stimulate IL-6 production via TAK1 and induce pulmonary vascular dysfunction**
Laura Moreno (Madrid, Spain), Laura Moreno, Andrea Martínez-Ramas, Bianca Barreira, Rachele Pandolfi, Beatriz De Olaiz Navarro, Daniel Morales-Cano, Raquel Herrero, Jóse ángel Lorente, ángel Cogolludo, Francisco Pérez-Vizcaíno

PA2435 **Augmentation of the effects of vasoactive intestinal peptide aerosol on pulmonary hypertension via co-application of a neutral endopeptidase 24.11 inhibitor**
Hanno Leuchte (Munich, Germany), Hanno Leuchte, Christoph Prechtl, Jens Callegari, Tobias Meis, Shani Haziraj, Dorian Bevec, Juergen Behr

PA2436 **IL-6 receptor overexpression in pulmonary arterial smooth muscle cells in idiopathic pulmonary hypertension**
Yuichi Tamura (Le Plessis-Robinson, France), Yuichi Tamura, Carole Phan, Ly Tu, Raphael Thuillet, Morane Le Hiress, Alice Huertas, Elie Fadel, Gerald Simonneau, Marc Humbert, Christophe Guignabert

PA2437 **Dual mechanism of platelet-derived growth factor (PDGF)-receptor: Contribution of vascular response to the pathogenesis of pulmonary hypertension (PH)**
Annette Rieg (Aachen, Germany), Annette D. Rieg, Carolin Anker, Julia Krabbe, Rolf Rossaint, Stefan Uhlig, Christian Martin

PA2438 **Btk (Bruton's tyrosine kinase) in B cells is overexpressed in patients with idiopathic pulmonary arterial hypertension**
Peter Heukels (Rotterdam, Netherlands), Peter Heukels, Jennifer Van Hulst, Laurens Kil, Leon Van den Toorn, Karin Boomars, Rudi Hendriks, Henk Hoogsteden, Bernt Van den Blink, Mirjam Kool

PA2439 **Effect of diminazene on monocrotalin-induced pulmonary hypertension rat model**
Aysun engül (KOCAEL , Turkey), Aysun Sengul, Sertan Arkan, Cigdem Vural, Cuneyt Ozer, Busra Yaprak Bayrak, Aysegul Tas

PA2440 **Chemerin potentiates pulmonary artery reactivity to endothelin-1**
Aliénor Hanthazi (Braine-l'Alleud, Belgium), Aliénor Hanthazi, Samantha Gomart, Caroline Gaudreau Ménard, Pascale Jespers, Jean-Yves Springael, Robert Naeije, Laurence Dewachter, Kathleen Mc Entee

PA2441 **Pulmonary vasoreactivity to leptin in spontaneously hypertensive rats**
Samantha Gomart (Liège, Belgium), Samantha Gomart, Pascale Jespers, Vadim Shlyonsky, Alienor Hantazi, Caroline Gaudreau Menard, Virginie Van Den Dries, Omer Gurkan Dilek, Robert Naeije, Laurence Dewachter, Kathleen Mc Entee

PA2442 **Differential action of beraprost isomers on prostacyclin (IP) receptors and PPAR in pulmonary arteries**
Lucie Clapp (London, United Kingdom), Lei Shen, Kirby Von Kessler, Peter Laing, Prakash Sista, Lucie Clapp

PA2443 **Activation of AMPK inhibits pulmonary arterial remodeling**
Manxiang Li (Xi'an, China), Dong Han, Yanting Zhu, Lu Liu, Yang Song, Manxiang Li

PA2444 **ECFCs from patients with PAH show a disturbed reaction to high fluid flow induced shear stress**
Josien Smits (Amsterdam, Netherlands), Josien Smits, Harm-Jan Bogaard, Pieter Koolwijk, Anton Vonk Noordegraaf

PA2445 **Effect of drugs with pleiotropic properties on tone of pulmonary arteries and bronchi in obstructive lung pathology model**
Natalia Kuzubova (Saint-Petersburg, Russian Federation), Nataliya Kuzubova, Elena Lebedeva, Anatoliy Fedin, Tatiana Preobrazhenskaya

PA2446 **Versican and collagen-III expression in bronchial and pulmonary muscular arteries in COPD patients**
Raquel Annoni (Sao Paulo, Brazil), Raquel Annoni, Ligia Couceiro, Silvio Barbosa, Tatiana Lancas, Salvatore Battaglia, Marisa Dolhnikoff, Pieter Hiemstra, Peter Sterk, Klaus Rabe, Thais Mauad

Hall 14-18 Session 266 12:50 - 14:40

Thematic poster: Pulmonary hypertension: the right ventricle and its load

Chairs : Frances De Man (Amsterdam, Netherlands), François Potus (Quebec, Canada), Christophe Guignabert (le Plessis-Robinson, France), Robert Naeije (Brussels, Belgium)

PA2447 **Left ventricular systolic torsion is correlated to right ventricular dilation in pulmonary hypertension patients**
Bouchra Lamia (Rouen, France), Bouchra Lamia, Luis Carlos Molano, Antoine Cuvelier, Catherine Viacroze, Jean-Francois Muir

PA2448 **Right ventricular (RV) morphometric and ventriculo-vascular (VV) coupling patterns in patients with advanced pulmonary arterial hypertension (PAH) undergoing parenteral treprostinil therapy**
Franz Rischard (Tucson, United States of America), Franz Rischard, Roberto Bernardo, Rebecca Vanderpool, Aiden Abidov, Isaac Jenkins, Marc Simon, Lillian Hansen, Steve Knoper, Hunter Champion

PA2449 **Central hemodynamic patterns during recovery from peak exercise**
Rudolf Oliveira (Sao Paulo, Brazil), Rudolf Oliveira, Manyoo Agarwal, Roza Badreslam, Alexander Opotowsky, Aaron Waxman, David Systrom

PA2450	**Right ventricular REMODELING in idiopathic pulmonary fibrosis with or without pulmonary hypertension** Anna Agnese Stanziola (Naples, Italy), Anna Agnese Stanziola, Antonello D'Andrea, Maria Martino, Giovanna Caccavo, Enza Di Palma, M. Maglione, M.V. Betancurt Cordito, Eduardo Bossone
PA2451	**Wall stress determines systolic and diastolic function – Causes of pulmonary congestion** Peter Alter (Marburg, Germany), Peter Alter, Andreas Rembert Koczulla, Christoph Nell, Claus Vogelmeier, Marga Rominger
PA2452	**Peripheral arterial stiffness and endothelial dysfunction in pulmonary arterial hypertension** Nuria Chamorro Tort (Barcelona, Spain), Núria Chamorro, Roberto Del Pozo, Jessica García-Lucio, Yolanda Torralba, Isabel Blanco, Manuel López-Meseguer, Jesús Ribas, Diego Rodríguez, Joan Albert Barberà
PA2453	**Right ventricular dysfunction in brain death: Effect of corticosteroids** Asmae Belhaj (Brussels, Belgium), Asmae Belhaj, Laurence Dewachter, Céline Dewachter, Myriam Remmelink, Sandrine Rorive, Robert Naeije, Benoit Rondelet
PA2454	**Myocardial perfusion in patients with pulmonary hypertension of different etiology** Tamila Martynyuk (Moscow, Russian Federation), Elvira Valeeva, Tamila Martynyuk, Olga Arkhipova, Galina Ryabykina, Irina Chazova
PA2455	**Change of right heart size and function by long-term therapy with riociguat in patients with PAH and CTEPH** Benjamin Egenlauf (Heidelberg, Germany), Benjamin Egenlauf, Alberto Marra, Nicola Ehlken, Christine Fischer, Christina Eichstaedt, Christian Nagel, Eduardo Bossone, Antonio Cittadini, Michael Halank, Henning Gall, Karen Olsson, Tobias Lange, Ekkehard Grünig
PA2456	**Association of LV torsion with eccentricity in pulmonary hypertension – Insight in interventricular interactions by speckle tracking echocardiography** Ralf Kaiser (Saarbrücken, Germany), Ralf Kaiser, Philip Böhmer, Philipp Lepper, Heinrike Wilkens, Robert Bals
PA2457	**Improved diagnostic accuracy of MRI in patients with suspected pulmonary hypertension with combined right ventricle and pulmonary artery metrics** Andy Swift (Sheffield, United Kingdom), Andrew Swift, Angela Lungu, Henry Walker, Dave Capener, Charlotte Hammerton, Charlie Elliot, Robin Condliffe, David Kiely, Jim Wild
PA2458	**Estimation of mPAP with MRI in pulmonary hypertension subgroups: Comparison with echocardiography** Andy Swift (Sheffield, United Kingdom), Andrew Swift, Angela Lungu, Henry Walker, Dave Capener, Charlotte Hammerton, Charlie Elliot, Robin Condliffe, David Kiely, Jim Wild
PA2459	**A new method for parameter identification in a lumped model of pulmonary circulation** Fabijan Luli (Zagreb, Croatia), Fabijan Lulic, Zdravko Virag, Ervin žuljevic, Gordana Pavliša, Miroslav Samaržija
PA2460	**Native T1-mapping in precapillary pulmonary hypertension** Onno Spruijt (Amsterdam, Netherlands), Onno Spruijt, Loek Vissers, Harm-Jan Bogaard, Mark Hofman, Anton Vonk-Noordegraaf, Tim Marcus
PA2461	**Association of haemodynamic parameters with circulating natriuretic peptides in precapillary pulmonary hypertension** Ralf Kaiser (Saarbrücken, Germany), Ralf Kaiser, Katharina Grotemeyer, Philip Böhmer, Philipp Lepper, Robert Bals, Heinrike Wilkens
PA2462	**Limited and heterogeneous arterial narrowing in idiopathic pulmonary hypertension: Rethinking resistance** Esther Timmer (Amsterdam, Netherlands), Esther M. Timmer, Nina Rol, Theo J.C. Faes, Harm Jan Bogaard, Anton Vonk-Noordegraaf, Katrien Grünberg, Nico Westerhof
PA2463	**Pulmonary glucose uptake measured by positron emission tomography in pulmonary hypertension** Armin Frille (Leipzig, Germany), Armin Frille, Karen Geva Steinhoff, Swen Hesse, Hubert Wirtz, Osama Sabri, Hans-Juergen Seyfarth
PA2464	**Left ventricular-arterial coupling and cardiac remodeling in patients with idiopathic arterial pulmonary hypertension** Zaira Dadacheva (Moscow, Russian Federation), Zaira Dadacheva, Anna Belevskaya, Marina Saidova, Tamila Martynyuk, Irina Chazova
PA2465	**Cardiac function in idiopathic pulmonary arterial hypertension patients with a severely reduced diffusion capacity** Cathelijne van der Bruggen (Amsterdam, Netherlands), Cathelijne Van der Bruggen, Onno Spruijt, Pia Trip, Frances De Man, Harm Jan Bogaard, Anton Vonk Noordegraaf
PA2466	**Myocardial T1 mapping MRI in patients with PH and age-matched healthy volunteers** Laura Hutchison (Hope Valley, United Kingdom), Laura Hutchison, Neil Stewart, Paul Hughes, Charlotte Hammerton, Martin Graves, David Kiely, Jim Wild, Andrew Swift

Hall 14-19 Session 267 12:50 - 14:40

Thematic poster: Pulmonary circulation: pulmonary embolism and chronic thromboembolic pulmonary hypertension

Chairs : Ralf Kaiser (Saarbrücken, Germany), Mark Toshner (Cambridge, United Kingdom), Horst Olschewski (Graz, Austria), John Wort (Hampton, United Kingdom)

PA2467	**Volumetric capnography to exclude pulmonary embolism at the emergency room** Timon Fabius (Enschede, Netherlands), Timon Fabius, Michiel Eijsvogel, Ivo Van der Lee, Marjolein Brusse-Keizer, Frans De Jongh
PA2468	**Investigating suspected pulmonary embolism (PE) in pregnancy – Review of practice at Aintree University Hospital** Alison Hufton (Barrow in Furness, United Kingdom), Alison Hufton, Paul Albert, Maria Elpida Phitidis, Apollonaris Kwok, Nick Duffy
PA2469	**Factors associated with mortality and survival in venous thromboembolism and hidden or concurrent cancer** Raquel Morillo Guerrero (Azuaga, Spain), Luis Jara-Palomares, Raquel Morillo-Guerrero, Remedios Otero-Candelera, Jose Antonio Díaz-Peromingo, Federica Pace, Fatima Del Molino, Marta Saraiva de Sousa, Manuel-Jesus Nuñez-Fernandez, Juan-Carlos Serrano-Casas, Manuel Monreal
PA2470	**Hemodynamic profiles in patients with chronic thromboembolic disease before and after pulmonary endarterectomy** Coen van Kan (Amsterdam, Netherlands), Coen Van Kan, Mart Van der Plas, Herre Reesink, Reindert Van Steenwijk, Robert Tepaske, Jaap Kloek, Paul Bresser
PA2471	**Validation of a prognostic score for pulmonary embolism short-term mortality** Foteini Malli (Larisa, Greece), Foteini Malli, George Vavougios, Fotini Bardaka, Konstantinos Gourgoulianis, Zoe Daniil
PA2472	**The efficacy of CT in the detection of right ventricular dysfunction in acute pulmonary embolism and comparison with cardiac biomarkers** Erdal In (Elazig, Turkey), Erdal In, Sinem Nedime Sökücü, Cengiz özdemir, Ayse Murat Aydin, Mutlu Kuluöztürk
PA2473	**Global fibrinolytic profile in patients with chronic thromboembolic pulmonary hypertension** Frédéric Lador (Geneva, Switzerland), Aurélien Lebreton, Alessandro Casini, Frédéric Lador, Philippe De Moerloose, Marguerite Neerman-Arbez
PA2474	**The comparison of serum visfatin levels in patients with acute PTE and non-PTE independent of BMI** Nuri Tutar (Kayseri, Turkey), Nuri Tutar, Serkan Dogan, Hakan Buyukoglan, Ahmet Sen, Insu Yilmaz, Afra Yildirim, Ali Dogan, Aleyna Yetkin, Fatma sema Oymak, Inci Gulmez, Ramazan Demir
PA2475	**The value of revised Geneva scoring system and D-dimer evaluation in the patients with suspicion of pulmonary embolism, admitted to the department of lung diseases** Monika Szturmowicz (Warsaw, Poland), Monika Szturmowicz, Aneta Kacprzak, Dorota Wyrostkiewicz, Ewa Jedrych, Katarzyna Lewandowska, Iwona Bartoszuk, Barbara Burakowska, Jaroslaw Kober, Jan Kus
PA2476	**Long-term low molecular weight heparin treatment in cancer associated venous thromboembolism patients** Aurora Solier Lopez (Sevilla, Spain), Aurora Solier Lopez, Raquel Morillo Guerrero, Teresa Elías Hernández, Luis Jara Palomares, Remedios Otero Candelera
PA2477	**Pulmonary embolism in children in a tertiary hospital in Bogota Colombia** Patricia Panqueva (Bogotá, Colombia), Olga Panqueva, Johana Orozco
PA2478	**The cost of pulmonary embolism treatment with different anticoagulation strategies in Turkey** pek Kivilcim O uzülgen (Ankara, Turkey), Murat Turk, Yagmur Aldag, Ipek Kivilcim Oguzulgen, Numan Ekim
PA2479	**Areas for improvement in PE management; experiences at a district general hospital** Oliver Price (Guildford, United Kingdom), Oliver Price, David Lodge, Harpreet Ranu
PA2480	**Associated factors with short-term mortality in pulmonary thromboembolism patients** Ezgi Demirdögen Cetinoglu (Bursa, Turkey), Ezgi Demirdogen Cetinoglu, Asli Gorek Dilektasli, Ozge Aydin Guclu, Guven Ozkaya, Funda Coskun, Ahmet Ursavas, Mehmet Karadag
PA2481	**Hughes-Stovin syndrome: A case report** Jasna Tekavec-Trkanjec (Zagreb, Croatia), Jasna Tekavec-Trkanjec, Neven Tudoric, Mirjana Vukelic-Markovic, žarko Vrbica
PA2482	**Effects of comorbidity in acute pulmonary embolism patients on short-term health issues and hospital costs** Sibel Nayci (Mersin, Turkey), Yasin Duman, Eylem Sercan Ozgur, Bahar Tasdelen, Sibel Nayci, Cengiz Ozge, Ahmet Ilvan
PA2483	**Correlation between Wells score and echocardiographic parameters in patients with pulmonary embolism** Dusanka Obradovic (Novi Sad, Republic of Serbia), Dusanka Obradovic, Biljana Joves Sevic, Uros Batranovic, Rada Tesic

PA2484	**Venous thromboembolism in patients immobilized at home** Alberto García (Valencia, Spain), Alberto Garcia-Ortega, Enrique Zaldivar, Raquel Lopez-Reyes, Dolores Nauffal, Manuel Monreal
PA2485	**Thrombophilic risk factors for chronic thromboembolic pulmonary hypertension (CTEPH) in Korea** Soo Han Kim (Seoul, Republic of Korea), Soo Han Kim, Jae Seung Lee, Byung Ju Kang, Sang-Do Lee, Jae Won Lee, Jong-Min Song, Seongsoo Jang
PA2486	**Pulmonary embolism in young adults, what particularities?** Haifa Zaibi (Tunis, Tunisia), Haifa Zaibi, Sarrz Maazaoui, Jihen Ben Amar, Besma Dhahri, M. Ali Baccar, Salwa Azzebi, Hichem Aouina

Hall 14-20 Session 268 12:50 - 14:40

Thematic poster: Interventional pulmonology for pleural diseases

Chairs : Philippe Astoul (Marseille, France), Marios E. Froudarakis (Alexandroupolis, Greece), Lina Zuccatosta (Torrette, Ancona, Italy), Prashant Nemichand Chhajed (Mumbai, India)

PA2487	**Bleeding risk of pleural procedures in patients taking antiplatelet therapy: A multicentric prospective study** Laurence Dangers (Paris, France), Laurence Dangers, Gilles Mangiapan, Mikael Alves, Naïke Bigé, Jonathan Messika, Elise Morawiec, Mathilde Neuville, Christophe Cracco, Gaëtan Béduneau, Nicolas Terzi, Isabelle Huet, Xavier Dhalluin, Nathalie Bautin, Jean-Jacques Quiot, Corinne Appere-de Vecchi, Thomas Similowski, Cécile Chenivesse
PA2488	**The use of propofol for sedation in medical thoracoscopy** Morné Vorster (Durbanville, South Africa), Morné Vorster, Wolfgang Frank, Maurizio Bernasconi, Coenraad Koegelenberg
PA2489	**Indwelling pleural catheters: Audit of a new medical service** Kirsty Hett (Cardiff, United Kingdom), K.L. Hett, H.E. Davies
PA2490	**Idiopathic pleural effusions (IPE) and predictive prognosis** Maria Alejandra Galarza Jimenez (Madrid, Spain), María Alejandra Galarza Jiménez, Esteban Pérez Rodríguez, Deisy Diana Barrios Barreto, Paola Lucía Arrieta Narváez, Rosa Mariela Mirambeaux Villalona, Patricia Castro Acosta
PA2491	**Ultrasound assisted medical thoracoscopy** amr shoukri (Cairo, Egypt), Amr Shoukri
PA2492	**Efficacy and safety of a new pleural device for the ambulatory management of pneumothorax** Muhammad Tufail (BRENTWOOD, United Kingdom), Muhammad Tufail, Jonathan Bennett, Rakesh Panchal, Richard Varey, Neil Martin
PA2493	**Video-assisted medical thoracoscopic (VAMT) lung biopsy in the diagnosis of diffuse pulmonary infiltrates** Tamer Hadidy (Mansoura, Egypt), Tamer El Hadidy, Mohammed Ibrahim, Fatma Moustafa, Amina Abd El-Maksoud
PA2494	**Hippocrates quoted 'If an empyema does not rupture, death will occur'. Is single port medical thoracoscopy (S-MT) able 'to make it safely rupture'?** Georgia Hardavella (London, United Kingdom), Georgia Hardavella, Nikos Papakonstantinou, Ioannis Karampinis, Houssein Mumbasa, Shereen Ajab, Mohammed Shafaat, Stavros Malagaris, Gerasimos Papavasileiou, Nikolaos Anastasiou
PA2495	**Outcomes of an initiative to improve safety of medical thoracostomy tube insertion** Conceicao Santos (Bradbury, Australia), Conceição Santos, Saurabh Gupta, Stephanie Naim, Jonathan Williamson
PA2496	**A randomized controlled trial of bronchial occlusion therapies with silicon spigots or fibrin glue against intractable spontaneous pneumothorax** Kengo Murata (Tokyo, Japan), Kengo Murata, Yu Sato, Kentaro Sakashita, Miyako Kitazono, Akihiko Wada, Tetsuya Obara, Mikio Takamori
PA2497	**Extended indications for local anaesthesia thoracoscopy** Poulomi Chatterjee (Gurgaon, India), Poulomi Chatterjee, Shaiwal Khandelwal, Ali Khan, Pinky Goyal, Bornali Datta
PA2498	**Thoracoscopy: Diagnostic and therapeutic applications** Christine Silva Costa (Leiria, Portugal), Christine Costa, Patrícia Dionísio, Luís Martins, Salvato Feijó, Paula Monteiro, J. Rosal Gonçalves, Cristina Bárbara
PA2499	**Pneumothorax size versus chest drain size, does it make a difference? What actually happened** Katherine Myall (London, United Kingdom), Katherine Myall, Bethia Bradley, Tudor Toma, Andrew Hearn
PA2500	**Role of medical thoracoscopy in multiloculated effusions and empyema: Review of 52 cases** Arjun Srinivasan (Coimbatore, India), Arjun Srinivasan, Mahadevan Sivaramakrishnan, Pattabhiraman Vallandramam, Pavan Yadav

PA2501	**Utility of closed pleural biopsy in thoracoscopic era** Madhav K. Kale (Pune, India), Madhav Kale, Shoaib Shaikh, Parag Khatavkar
PA2502	**Predictor of success in endobronchial occlusion therapy against intractable pneumothoraces** Kengo Murata (Tokyo, Japan), Kengo Murata, Yu Sato, Kentaro Sakashita, Miyako Kitazono, Akihiko Wada, Tetsuya Obara, Mikio Takamori
PA2503	**Cytology and chest computed tomography findings of pleural effusion in patients with lung cancer** Clement Brun (Saint-Etienne, France), Clement Brun, Maxim Sauvage, Cyril Guibert, Blandine Laurent, Georgia Karpathiou, Sophie Bayle, Fabien Forest, Isabelle Court-Fortune, Nathalie Glas, Michelle Cottier, Michel Peoc'h, Marios Froudarakis, Jean-Michel Vergnon
PA2504	**Thoracoscopic talc poudrage in pneumothorax** Patrícia Alexandra Vieira Dionísio (Oeiras, Portugal), Patrícia Dionísio, Christine Costa, Salvato Feijó, Paula Monteiro, J. Rosal Gonçalves, Cristina Bárbara
PA2505	**Thoracoscopic talc Poudrage pleurodesis for malignant effusions** Konstantinos Mantzouranis (Athens, Greece), Xanthi Tsiafaki, Konstantinos Mantzouranis, Lefteris Zygouris, Ioannis Gkinis, Filio Kotrogianni

Hall 14-21 Session 269 12:50 - 14:40

Thematic poster: Surgery and lung cancer: results and complications

Chairs : Stefano Elia (Naples, Italy), Marinus Paul (Amsterdam, Netherlands), Marcello Migliore (Catania, Italy), Olga C.J. Schuurbiers (Nijmegen, Netherlands)

PA2506	**Perioperative outcomes of RATS pulmonary lobectomy for lung cancer and tuberculosis in a learning curve setting** Peter Yablonsky (Saint Petersburg, Russian Federation), Peter Yablonskii, Grigorii Kudriashov, Sabriddin Nuraliev, Igor Vasilev, Armen Avetisyan, Andrey Kozak, Olga Sokolova
PA2507	**Robotic & VATS lobectomy for aspergilloma - Good clinical outcome with early surgical referral** Ashish Prakash (Gurgaon, India), Ashish Prakash, Poulomi Chatterjee, Shaiwal Khandelwal, Ali Zamir Khan, Bornali Datta, Pinky Goel, Bandana Mishra
PA2508	**The use of one-lung high frequency jet ventilation in minimally invasive operative lung interventions** Igor Medvinskiy (Yekaterinburg, Russian Federation), Igor Medvinskiy, Sergey Skornyakov, Dmitriy Eremeev
PA2509	**Neutrophil/lymphocyte ratio as a prognostic marker for curative-intent surgery in non-small cell lung cancer** Sebastian Lugg (Bromsgrove, United Kingdom), Sebastian Lugg, Tikka Theofano, Amy Kerr, Paula Agostini, Kerry Adamas, Ehab Bishay, Richard Steyn, Maninder Kalkat, Pala Rajesh, David Thickett, Babu Naidu
PA2510	**Mode of influence of the type of the chest wall invasion to the outcome of surgical treatment of patients with primary lung cancer** Vladimir Milenkovic (Belgrade, Republic of Serbia), Vladimir Milenkovic, Milan Savic, Dejan Moskovljevic, Nikola Atanasijadis, Dragan Subotic
PA2511	**Smoking habits of pre-surgery patients** Joanne Webb (Birmingham, United Kingdom), Joanne Webb, Amy Kerr, David Thickett, Babu Naidu
PA2512	**Survival after lung metastasis resection. Review of 17 years in our centre** Xenia Roxana Lopez Contreras (Pamplona, Spain), Xenia López Contreras, Vanesa López Rodríguez, Sonia Herrero Martín, Jose Cascante Rodrigo, Pilar Cebollero Rivas, Juan Guelbenzu Zazpe, Javier Hueto Pérez de Heredia
PA2513	**Predicted postoperative FEV1, DLCO and VO2 underestimate the postoperative values after lung resection in patients with symptomatic non-cystic fibrosis bronchiectasis** Camilla Vallilo (São Paulo, Brazil), Camilla Carlini Vallilo, Ricardo Mingarini Terra, Andre Albuquerque, João Marcos Salge, Alessandro Mariani, Marcia Augusto, Milena Mako Suesada, Paulo Pêgo-Fernandes
PA2514	**Microalbuminuria as a predictor of cardiopulmonary complications after thoracic surgery** Lucio Cagini (Perugia, Italy), Lucio Cagini, Marco Andolfi, Rossella Potenza, Silvia Ceccarelli, Jacopo Vannucci, Gianpaolo Reboldi, Vito Aldo Peduto, Francesco Puma
PA2515	**Prediction of complications after pneumonectomy in patients with pulmonary tuberculosis** Larisa Kiryukhina (Saint Petersburg, Russian Federation), Larisa Kiryukhina, Olga Volodich, Armen Avetisyn, Igor Vasilyev, Pavel Gavrilov, Natalia Nefedova, Piotr Yablonskiy
PA2516	**Pneumonectomy for lung cancer after induction chemotherapy alone: Is the risk really higher?** Milan Savic (Belgrade, Republic of Serbia), Milan Savic, Dragan Subotic, Nikola Atanasijadis, Dejan Moskovljevic, Milan Gajic, Vladimir Milenkovic, Marko Popovic

PA2517 **Risk factors for major complications and mortality in children following pneumonectomy (PNE)**
Veronica S Giubergia (Olivos - Buenos Aires, Argentina), Verónica Giubergia, Forencia Alessandrini, Carolina Barrias, Aixa Reussman, Carlos Giuseppussi, Barrenechea Marcelo, Murtagh Patricia

PA2518 **Smoking at the time of curative-intent lung cancer surgery dramatically influences peri-operative complications**
Sebastian Lugg (Bromsgrove, United Kingdom), Sebastian Lugg, Theofano Tikka, Amy Kerr, Paula Agostini, Kerry Adamas, Ehab Bishay, Richard Steyn, Maninder Kalkat, Pala Rajesh, David Thickett, Babu Naidu

PA2519 **Ultrasound assessment of extravascular lung water after thoracic surgery**
Lucio Cagini (Perugia, Italy), Lucio Cagini, Cecilia Becattini, Maria Giovanna Ranalli, Marco Andolfi, Alessandra Mancuso, Jacopo Vannucci, Giancarlo Agnelli, Francesco Puma

PA2520 **Lung function in the elderly patients with a diagnosis of lung cancer - A challenge for the surgical treatment?**
Monika Franczuk (Warsaw, Poland), Monika Franczuk, Piotr Rudzinski, Jerzy Usiekniewicz, Renata Langfort, Jacek Prokopowicz, Tadeusz Orlowski, Stefan Wesolowski

PA2522 **Pre-operative peak workload as predictor of post-operative complications in patients undergoing pulmonary resection for lung cancer**
Diego Augustin Rodriguez (Barcelona, Spain), Diego A. Rodríguez, Elena Curto, Anna Rodó-Pin, Clara Martin, Alberto Rodríguez, Joaquim Gea, Rafael Aguiló

PA2523 **Interventional management and outcome of lung cancer and cardiac disease. Meta-analytic review**
Stylianos Michaelides (Athens, Greece), Stylianos Michailidis, George Bablekos, Maria Gioka, Olga Vartzioti, George Ionas, Alexandros Alexopoulos

Hall 14-22 Session 270 12:50 - 14:40

Thematic poster: Non-inflammatory monitoring of airway diseases

Chairs : Silvano Dragonieri (Bari, Italy), Caterina Bucca (Turin, Italy), Eleftherios Zervas (Athens, Greece), Wendy van Beurden (Enschede, Netherlands)

PA2524 **Shifting respiratory care from lungs to patients: The necessity for patient-focused approach**
Antonios Kouris (Eindhoven, Netherlands), Antonios Kouris, Charalampos Michailidis, Christos Bergeles

PA2525 **Novel water born cooling system enables early mobilization of patients hospitalized for urban heat stress related chronic lung disease progression**
Christian Witt (Berlin, Germany), Andre Jean Schubert, Nina Omid, Robert Ehrlich, Melissa Jehn, Uta Liebers, Dieter Scherer, Wilfried Endlicher, Christian Witt

PA2526 **Factors associated with low-level physical activity in elderly patients with chronic obstructive pulmonary disease**
Sang Hee Lee (Gunpo, Republic of Korea), Sang Hee Lee, Eun jung Jo, Mi Hyun Kim, Min Ki Lee, Jung Seop Eom, Jeong Ha Mok, Kwangha Lee, Ki Uk Kim

PA2527 **Gender differences of echocardiographic characteristics in patients with acute exacerbation of COPD**
Krishna K Sharma (Jaipur, Rajastahan, India), Krishna K. Sharma, Hemant Chaturvedi, Rudra Dev Pandey, Titiksha Choyal

PA2528 **Impact of a mobile health pilot study on asthma rescue inhaler use, control and self-management**
David Van Sickle (Madison, United States of America), David Van Sickle, Jason Su, Meredith Barrett, Olivier Humblet, Kelly Henderson, Ted Smith

PA2529 **Factors related with hospitalizations due to asthma exacerbations**
Ana Gomez Larrauri (Leioa, Spain), Ana Gomez Larrauri, Sandra Pedrero Tejada, Amanda Lopez Picado, Sophe Garcia Fuika, Patricia Sobradillo Ecenarro, Paola Carolina Oliva Rodriguez, David Bravo Blanco

PA2530 **The appropriateness of Saint George's respiratory questionnaire in patients with systemic lupus erythematosus and respiratory system involvement**
Mariana Cebanu (Chisinau, Republic of Moldova), M. Cebanu, V. Sadovici, V. Salaru, M. Mazur

PA2532 **Sputum microbiology in patients with stabile COPD**
Vanya Kostadinova (Varna, Bulgaria), Vanya Kostadinova, Yordan Radkov, Temenuga Stoeva, Darina Miteva, Anna Dyakova

PA2533 **Aiding paramedics recognition of type two respiratory failure (T2RF)**
Tanveer Khalid (Greater Manchester, United Kingdom), Tanveer Khalid, Saumitra Baksi

PA2534 **Waist to thigh ratio as a predictor of physical activity in COPD patients**
Lamprini Tina (Sparta, Greece), Lamprini Tina, NIkolaos Konstas, Panagiotis Andriopoulos

PA2535 **The role of specialist nurse led review on reducing emergency asthma admissions in a district general hospital (DGH)**
Cristina Avram (Manchester, United Kingdom), Cristina Avram, Sandra Dermott, Emma Jones, Imran Aziz

PA2536 **Assessment of cough frequency to inhaled mannitol using ambulatory acoustic cough recording**
Clair Lake (Camperdown, Australia), Clair Lake, Peter Briffa, Phillip Munoz, Keith Wong, John Brannan

PA2537 **Phenotypic characterization of asthma-COPD overlap syndrome: Comparison with asthma and COPD**
Toshiya Inui (Tokyo, Japan), Toshiya Inui, Keitaro Nakamoto, Mitsuru Sada, Shingo Tsuji, Masuo Nakamura, Yasutaka Tanaka, Takashi Koide, Saori Takata, Takuma Yokoyama, Takeshi Saraya, Daisuke Kurai, Haruyuki Ishii, Hiroo Wada, Hajime Takizawa

PA2538 **Patient education and its impact on asthma control: A case-control study**
Selina Dürr (Liestal, Switzerland), Selina Dürr, Jonas Scheuzger, Kurt E. Hersberger, David Miedinger, Prashant N. Chhajed, Andreas Zeller, Jörg D. Leuppi, Claudia Steurer-Stey

PA2539 **Monitoring of cough trends in COPD**
Albertus den Brinker (Eindhoven, Netherlands), Albertus Den Brinker, Peter Hill, Yvette Hayman, Michael Crooks, Alyn Morice

PA2540 **Identifying patients at risk for future exacerbations of asthma: Development of a prediction model**
Rik Loijmans (Amsterdam, Netherlands), Rik J.B. Loymans, Persijn J. Honkoop, Evelien H. Termeer, Helen K. Reddel, Jiska B. Snoeck-Stroband, Willem J. Assendelft, Tjard R. Schermer, Peter J. Sterk, Jacob K. Sont, Gerben Ter Riet

PA2541 **Cough is an independent contributor to health-related quality of life impairment in COPD**
Gaëtan Deslee (Reims, France), Gaëtan Deslee, Pierre-Régis Burgel, Roger Escamilla, Pascal Chanez, Isabelle Court-Fortune, Pascale Nesme-Meyer, Grazellia Brinchault-Rabin, Thierry Perez, Gilles Gebrak, Denis Caillaud, Jean Louis Paillasseur, Nicolas Roche

PA2542 **Comparison of COPD patients with high and low symptoms from a real-world US survey**
Barry Make (Denver, United States of America), Barry Make, Tzy-Chyi Yu, Jessica Marvel, Robert Wood, Mark Small, Victoria Higgins

PA2543 **Bronchiectasis prevalence and relationship with clinical features in COPD**
Kristoffer Ostridge (Bournemouth, United Kingdom), Kristoffer Ostridge, Nicholas Williams, Victoria Kim, Malwina Wojtas, Stephen Harden, Emmanuel Aris, Mathieu Peeters, Jeanne-Marie Devaster, Simon Bourne, Tom Wilkinson

Hall 14-23 Session 271 12:50 - 14:40

Thematic poster: The immunology of allergic airway disease

Chairs : Trudeke G.M. Möller (Capelle aan den Ijssel, Netherlands), Christian Taube (Leiden, Netherlands), Anders Linden (Stockholm, Sweden), Gary P. Anderson (Parkville, Australia)

PA2544 **Macrophage subsets in lung tissue of healthy controls and asthma patients**
Barbro Melgert (Groningen, Netherlands), Christina Draijer, Carian Boorsma, Patricia Robbe, Machteld Hylkema, Wim Timens, Maarten Van den Berge, Dirkje Postma, Barbro Melgert

PA2545 **The $CysLT_1$ receptor antagonist montelukast blocks bronchoconstriction induced by inhaled leukotriene E_4 in subjects with asthma**
Nikolaos Lazarinis (Stockholm, Sweden), Nikolaos Lazarinis, Johan Bood, Craig Wheelock, Sven-Erik Dahlén, Barbro Dahlén

PA2546 **Characteristics of asthma in U-BIOPRED severe and non-severe cohorts with distinct biomarker profiles**
Edward Ingenito (Cambridge, United States of America), Edward Ingenito, Jeanette Bigler, Dirk Smith, Anthony Rowe, Fan Chung, Ratko Djukanovic, Ana Sousa, Ian Adcock, Peter Sterk, Ajay Nirula

PA2547 **Characteristics of IL-25 and allergen-induced airways fibrosis in a murine model of asthma**
Xiujuan YAO (Beijing, China), Xiujuan Yao, Wei Wang, Kewu Huang, Chris J. Corrigan, Yong Chang Sun, Sun Ying, Xiujuan Yao

PA2548 **The role of antioxidant enzymes in the pathogenesis of asthma and the formation of the features of its clinical course**
Ramziddin Kholliev (Samarkand, Uzbekistan), Ramziddin Kholliyev, Musa Khaydarov, Khikmat Turayev, Jamshid Ismailov

PA2549 **Hypersensitivity pneumonitis: Clinical spectrum and outcome**
Chirine Moussa (Ezahra, Tunisia), Chirine Moussa, Besma Hamdi, Anissa Berraies, Alaa Akaad, Saberine Louhaichi, Jamel Ammar, Agnes Hamzaoui

PA2550 **Importance of levels production of Il-4 in the pathogenesis and formation of the phenotype of asthma**
Gulbahor Fazilova (Samarkand, Uzbekistan), Gulbahor Fazilova

PA2551 **IL5 and IL13 modulate trans-compartmental activation and migration of eosinophils**
Sebastian Reuter (Mainz, Germany), Sebastian Reuter, Helen Meyer-Martin, Hendrik Beckert, Roland Buhl

PA2552	**MicroRNA-146a and microRNA-155 expression in induced sputum of allergic asthmatics** Carina Malmhäll (Göteborg, Sweden), Carina Malmhäll, Sahar Alawieh, Jan Lötvall, Madeleine Rådinger
PA2553	**Intranasal GSK2245035 induces prolonged reductions in nasal responsiveness to allergen** Anne Ellis (Kingston, Canada), Anne K. Ellis, Diana Quint, Will Powley, Laurie A. Lee
PA2554	**A randomized, placebo-controlled trial using anti-IgE to treat allergic bronchopulmonary aspergillosis** Astrid Voskamp (Leiden, Netherlands), Astrid Voskamp, Andrew Gillman, Karen Symons, Alessandra Sandrini, Jennifer Rolland, Robyn O'Hehir
PA2555	**Environmental factors in schools determining exercise-induced symptoms in children** Iwona Stelmach (ód , Poland), Iwona Stelmach, Lukasz Cichalewski, Wlodzimierz Stelmach, Daniela Podlecka, Joanna Jerzynska
PA2556	**Characterisation of adipose tissue macrophage phenotypes in obese asthma** Hashim Periyalil (Fletcher, Australia), Hashim Periyalil, Lisa Wood, Tim Wright, Costa Karihaloo, Peter Gibson
PA2557	**CCD contributes for cross-reactivity between food allergen and Bermuda and Timothy pollen allergen in Southern China** Wenting Luo (Guangzhou, China), Wenting Luo, Baoqing Sun
PA2558	**Differential effects of budesonide and fluticasone propionate on immune defense genes in human bronchial epithelium** Irene Heijink (Groningen, Netherlands), Irene Heijink, Marnix Jonker, Dirkje Postma, Maarten Van den Berge
PA2559	**Placebo controlled trial of vitamin D supplementation in allergic rhinitis** Balakrishnan Menon (Delhi, India), Balakrishnan Menon, Yusuf Dar, Tinu Garg, Harish Bhatia, Charanjeet Kaur
PA2560	**Prevalence of allergic bronchopulmonary aspergillosis in patients with uncontrolled asthma: An experience from southwestern Iran** Mozhgan Moghtaderi (Shiraz, Islamic Republic of Iran), Mozhgan Moghtaderi, Shirin Farjadian, Zeinab Hosseini
PA2561	**Long-term efficacy of omalizumab (OMA) for patients with severe allergic asthma (SAA). Clinical assessment and relationship to serum IgE concentrations** Claus Kroegel (Jena, Germany), Claus Kroegel, Martin Foerster, Kristin Lerche, Maryam Aalamian-Mattheis, Janett Happe, Anne Moeser, Stephanie Korn
PA2562	**Reduced healthcare resource utilization in asthma patients treated with omalizumab in the clinical practice in Spain** Eva Martinez Moragon (Valencia, Spain), Eva Martínez Moragón, Fernando Sanchez-Toril Lopez, Miguel Díaz Palacios, Juan José Liñana Santafe, Marta Lleonart Dormuà
PA2563	**TNF- , IL-6, IL-10 serum activity in patients with obesity-associated arterial hypertension depend on bronchial obstruction presence** Kseniia Sytnyk (Kharkiv, Ukraine), Kseniia Sytnyk, Butov Dmytro

Hall 14-24 Session 272 12:50 - 14:40

Thematic poster: CAP: prognostic factors in frail patients

Chairs : Wim G. Boersma (Alkmaar, Netherlands), Francisco Sanz Herrero (Quart de Poblet (Valencia), Spain), Michael Tamm (Basel, Switzerland), Chair to be confirmed

PA2564	**Clinical stability predictors and length of stay in adults with community-acquired pneumonia. Prospective cohort** Renata Alejandra Baez Saldana (Mexico, Mexico), Renata Báez-Saldaña, Cristobal Guadarrama-Pérez, Alejandro Marín, Araceli Santillán-Martínez, Patricia Castillo-González, Uriel Rumbo-Nava, Teresa Aguirre-Pérez, Rogelio Hernández
PA2565	**Factors affecting short and long-term mortality after community-acquired pneumonia** Fatma Tokgöz Akyil (Istanbul, Turkey), Fatma Tokgöz Akyil, Armagan Hazar, Murat Yalçinsoy, Aykut çilli, Burcu çelenk, Oguz Kilinç, öznur Kilinç, Abdullah Sayiner, Sezai Tasbakan, Nurdan Köktürk, Aysin Sakar Coskun, Yavuz Havlucu, Ayten Filiz, Ebru çakir Edis
PA2566	**Prior antibiotics and outcomes in patients hospitalized with pneumonia** Eric Mortensen (Dallas, United States of America), Eric Mortensen, David Rotter, Antonio Anzueto
PA2567	**Effect of inhaled steroid therapy on treatment response in hosptalized pneumonia patients: Results from Turkish Thoracic Society database** Nurdan Köktürk (Ankara, Turkey), Ayse Baha, Nurdan Kokturk, Sakine Bahcecioglu, Canan Gunduz, Sezai Tasbakan, Abdullah Sayiner, Aysin Coskun, Feride Durmaz, Aykut Cilli, Burcu Celenk, Oguz Kilinc, Seda Salman, Armagan Hazar, Fatma Tokgoz

PA2568	**Decisions about discharge of patients with community-acquired pneumonia from the emergency department** Rodolfo Ferrari (Cesena, Italy), Rodolfo Ferrari, Pierluigi Viale, Sara Tedeschi, Daniela Agostinelli, Fabio Tumietto, Mario Cavazza
PA2569	**A local perspective on risk factors and short term outcomes in community-acquired pneumonia** Caroline Gouder (Kappara, Malta), Caroline Gouder, Donia Gamoudi, Marija Agius, Nadia Gamoudi, David Farrugia, Michael Borg, Josef Micallef
PA2570	**Comparison of severity scores to predict outcomes in elderly patients with community acquired pneumonia** Adamadia Liapikou (Athens, Greece), Sotiria Makrodimitri, Adamantia Liapikou, Sofia Rautopoulou, Andreas Anastasopoulos, Nektaria Sidiropoulou, Katerina Dimakou, Michael Toumbis
PA2571	**Predictors of 30-day mortality in elderly patients with community acquired pneumonia** Xubin Huang (Guangzhou, China), Xubin Huang, Jun Zhang, Xinyan Huang, Mian Zeng, Yanzhu Chen
PA2572	**Health care-associated pneumonia and community-acquired pneumonia: A single-center experience** Burcu Çelenk Karaboga (Agri, Turkey), Burcu Karaboga, Aykut çilli, Rusen Uzun
PA2573	**Healthcare-associated pneumonia: Comparative characteristics with community-acquired pneumonia** Elena Klester (Barnaul, Altay Krai, Russian Federation), Elena Klester, Karolina Klester, Igor Babushkin
PA2574	**Broad-spectrum antibiotics cannot improve the prognoses of high-risk nursing- and healthcare-associated pneumonia** Kenji Umeki (Yufu, Japan), Kenji Umeki, Kohsaku Komiya, Issei Tokimatsu, Masaru Ando, Kazufumi Hiramatsu, Jun-ichi Kadota
PA2575	**CUR-65 score for community-acquired pneumonia predicted mortality better than CURB-65 score in low-mortality-rate settings** Qi Guo (Shenzhen, China), Hai-yan Li, Qi Guo, Wei-dong Song, Yi-ping Zhou, Ming Li, Xiao-ke Chen, Hui Liu, Hong-lin Peng, Hai-qiong Yu, Xia Chen, Nian Liu, Zhong-dong Lü, Li-hua Liang, Qing-zhou Zhao, Mei Jiang
PA2576	**Legionella score performance under an outbreak of Legionnaires' disease** Ana Cysneiros (Lisboa, Portugal), Ana Cysneiros, Francisca Lopes, Joao Carvalho, Patricia Dionisio, Christine Costa, Bruno Von Amann, Ana Dias, Gustavo Carvalho, Margarida Serrado, Filipe Froes, Cristina Barbara
PA2577	**The prognostic value of consecutive C-reactive protein measurements in community acquired pneumonia** Stine Andersen (Copenhagen, Denmark), Stine Andersen, Gertrud Louise Baunbæk-Knudsen, Andreas Vestergaard Jensen, Pelle Trier Petersen, Pernille Ravn
PA2578	**Prognostic value of plasma D-dimer level in adults with community-acquired pneumonia – A prospective study** Joana Filipa Clemente Duarte (Entroncamento, Portugal), Joana Duarte, Ana Tavares e Castro, Raquel Silva, Lurdes Correia, Adélia Simão, Armando Carvalho
PA2579	**The role of procalcitonin in predicting severity and clinical course of aspiration pneumonia** shu yazaki (tokyo, Japan), Shu Yazaki, Torahiko Jinta, Naoki Nishimura, Hiroshi Nakaoka, Kohei Okafuji, Atsushi Kitamura, Yutaka Tomishima, Takeshi Kimura, Naohiko Chohnabayashi
PA2580	**Impact of diabetes mellitus on microbiological profiles of patients with community-acquired pneumonia in a central hospital** João Henrique Cordeiro da Costa (Baguim do Monte - Gondomar, Portugal), João Cordeiro da Costa, José Almeida, Ana Marques, Angelina Lameirão

Hall 14-25 Session 273 12:50 - 14:40

Thematic poster: Clinical issues in CAP: microbiological and radiological determinants

Chairs : Adamadia Liapikou (Athens, Greece), James D. Chalmers (Perth, United Kingdom), Claire Andrejak (Amiens, France), Neven Miculinic (Zagreb, Croatia)

PA2581	**LATE-BREAKING ABSTRACT: Differences in S. pneumoniae serotypes distribution causing CAP in hospitalized adults in Spain according to comorbidities by a new urinary antigen detection (UAD) test. The CAPA study** Rosario Menendez Villanueva (Valencia, Spain), Rosario Menéndez, Antoni Torres, Pedro Pablo España, Emilio Pérez-Trallero, José Luis López Hontangas, Francesc Marco, Ana Patricia Martínez de la Fuente, José María Marimón, Alexandra Gimeno, Catia Cilloniz, Ane Uranga, María Ercibengoa, César Balseiro, Cristina Méndez, Isabel Cifuentes
PA2582	**Time to return to work or daily activities under an outbreak of Legionnaires´ disease in Portugal** Bruno Miguel Paixão von Amann (Lisbon, Portugal), Bruno Von Amann, Christine Costa, João Carvalho, Francisca Lopes, Patrícia Dionísio, Ana Dias, Ana Cysneiros, Gustavo Carvalho, Margarida Serrado, Filipe Froes, Cristina Bárbara
PA2583	**Bacteraemia in outpatient with community-acquired pneumonia** Catia Cilloniz Campos (Barcelona, Spain), Catia Cilloniz, Chiara Traverso, Chiara Chiurazzi, Albert Gabarrus, Ernesto Rangel, Francesc Marco, Josep Mensa, Antoni Torres

PA2584 **Improvement in culture yield using blood culture bottles in infected pleural fluid**
Davis Paul (Thrissur, India), Davis Paul Chelangara, Unais Sadakkathulla, Thomas George

PA2585 **Accuracy in diagnosis of pneumonia and advancing quality initiative**
Alexander Youzguin (Southport, United Kingdom), Alexander Youzguin, Aleksandra Rozek

PA2586 **Does the grade of a physician influence the likelihood of agreeing with radiologist report?**
Kanwal Tariq (Hull, United Kingdom), Kanwal Tariq, Julia Harrington, Patrick McDermott, Hassan Burhan, Andrea Collins

PA2587 **Evolution of antimicrobial susceptibility of respiratory isolates in chronic obstructive pulmonary patients diagnosed of acquired community pneumonia**
Francisco Cabello Rueda (Ronda, Spain), Enrique Javier Soto Hurtado, Maria Jesus Gutierrez Fernandez, Maria Dolores Almenara Escribano, Francisco Cabello Rueda, Mariana Zaragoza Rascon, Jose Maria Gonzalez Miret, Alberto Ruiz Cantero

PA2588 **Community acquired pneumonia – Coding and advancing quality**
Kanwal Tariq (Hull, United Kingdom), Patrick McDermott, Kanwal Tariq, Julia Harrington, Hassan Burhan, Andrea Collins

PA2589 **Clinical presentation of Legionnaires' disease during an outbreak: The typical presentation of an atypical pathogen**
Ana Patrícia Gomes da Rocha Dias (Lisbon, Portugal), Ana Dias, Patrícia Dionísio, Francisca Lopes, Christine Costa, João Carvalho, Gustavo Carvalho, Ana Cysneiros, Bruno Von Amann, Margarida Serrado, Filipe Froes, Cristina Bárbara

PA2590 **Comparison of ampicillin-sulbactam/macrolide dual therapy versus fluoroquinolone monotherapy in hospitalized patients with community-acquired pneumonia**
Burcu Çelenk Karaboga (Agri, Turkey), Burcu Karaboga, Aykut çilli

PA2591 **Relationship between etiologic diagnosis and prognosis in community-acquired pneumonia**
Leyre Serrano Fernandez (Bilbao (Bizkaia), Spain), Leyre Serrano, Rafael Zalacain, Amaia Urrutia, Marta Garcia, Ainhoa Gomez, Sonia Castro, Ruth Diez, Elena Urra, Luis Alberto Ruiz

PA2592 **Prevalence of group A -haemolytic streptococcus among children with pharyngitis in Ethiopia**
Getnet Tesfaw Tadege (Jimma, Ethiopia), Getnet Tesfaw, Gebre Kibru, Demeke Mekonnen, Alemseged Abdissa

PA2593 **Disagreement in radiological diagnosis of community acquired pneumonia and its impact on management and mortality: Is the term 'pneumonia' outdated?**
Julia Harrington (Liverpool, United Kingdom), Julia Harrington, Kanwal Tariq, Andrea Collins, Hassan Burhan, Patrick McDermott

PA2594 **Diagnostic utility of beta defensin 2 and LL-37 for the differenciation between complicated and non-complicated infectious pleural effusions**
Carlos Antonio Amado Diago (Santander, Spain), Carlos Antonio Amado, Milagros Ruiz de Infante, María del Carmen Fariñas, María Teresa García-Unzueta, Pedro Muñoz, Francisca Santos

PA2595 **Intrapleural tenectaplase therapy in treatment of loculated parapneumonic pleural effusions and empyema**
Alaa Refaat (Kuwait, Kuwait), Alaa Refaat, Nasr Affara, Tark Muhsen, Moataz Salahuddin

PA2596 **Community acquired legionella pneumophila pneumonia, clinical characteristics, outcomes and prognostic factors**
Leyre Serrano Fernandez (Bilbao (Bizkaia), Spain), Sonia Castro, Luis Alberto Ruiz, Ainhoa Gomez, Leyre Serrano, Elena Urra, Lorea Martinez-Indart, Marta Garcia, Beatriz Gomez, Rafael Zalacain

PA2597 **Microbiological indicators from sputum of patients with exacerbation of COPD**
Aigerim Yergaliyeva (Astana, Kazakhstan), Nelya Bisenova, Aigerim Yergalieva

PA2598 **Clinical profile and management of empyema thoracis: Identifying the gaps in resource limited setting**
Deebya Raj Mishra (Dharan, Nepal), Deebya Raj Mishra

PA2599 **Coding for pneumonia in hospital: How accurate?**
Jayanth Bhat (Birmingham, United Kingdom), Jayanth Bhat, Sharon Stanley, Dominic Gair, Naveed Mustfa, Martin Allen

Hall 14-26 Session 274 12:50 - 14:40

Thematic poster: Viral infections: basic research and clinical perspective

Chairs : Sebastian L. Johnston (London, United Kingdom), Aran Singanayagam (London, United Kingdom), Tobias Welte (Hannover, Germany), Thomas Wilkinson (Southampton, United Kingdom)

PA2600 **Human rhinovirus species in children with acute lower respiratory infections in Rabat, Morocco**
Alicia Annamalay (Subiaco, Australia), Alicia Annamalay, Joelene Bizzintino, Siew-Kim Khoo, Imane Jroundi, Chafiq Mahraoui, Rachid Benmessaoud, Cinta Moraleda, Peter Le Souëf, Quique Bassat

PA2601	**LSC Abstract – Bacterial burden in rhinovirus-induced asthma exacerbations** Ernie Wong (London, United Kingdom), Ernie Wong, Michael Edwards, William Cookson, David Jackson, Sebastian Johnston
PA2602	**Viral infection of macrophages reduces CD36 expression: Implications for phagocytosis of non-typeable haemophilus influenzae** Karl J. Staples (Southampton, United Kingdom), Karl J. Staples, Zoe Pounce, Joshua C. Wallington, C. Mirella Spalluto, Denise Morris, Ben Nicholas, Ratko Djukanovic, Tom M.A. Wilkinson
PA2603	**Evidence for cell mediated immune dysfunction in the COPD lung: The role of cytotoxic CD4+ T cells** Tom Wilkinson (Southampton, United Kingdom), Karl J. Staples, Richard T. McKendry, C. Mirella Spalluto, Tom M.A. Wilkinson
PA2604	**LSC Abstract – Synergistic pro-inflammatory effects of Haemophilus influenzae/RSV co-infections on respiratory epithelial cells** Carla Bellinghausen (Maastricht, Netherlands), Carla Bellinghausen, Fahad Gulraiz, Emiel F.M. Wouters, Gernot G.U. Rohde, Frank R. Stassen
PA2605	**Smoking alters cellular responses of primary bronchial epithelial cells to rhinovirus infection in an in vitro acute exposure model** Maria C Zarcone (Oegstgeest, Netherlands), Maria C. Zarcone, Jasmijn A. Schrumpf, Pieter S. Hiemstra
PA2606	**LSC Abstract – A novel immune regulatory function of neutrophils in rhinovirus infections** Francesca Tang (Glebe, Australia), Francesca Tang, Phil Hansbro, Janette Burgess, Katherine Baines, Brian Oliver
PA2607	**LSC Abstract – Rhinovirus infection induces NRF2 in monocytes but not in epithelial cells, via distinct intracellular pathways** Andrew Durham (London, United Kingdom), Andrew L. Durham, Joseph Footitt, Sarah Essilfie-Quaye, Aurica G. Telcian, Patrick Mallia, Kazuhiro Ito, Peter J. Barnes, Sebastian Johnston, Ian M. Adcock
PA2608	**Clinical and epidemiological features in H1N1 and H3N2 influenza A virus** Ana Lucía Figueredo Cacacho (Zaragoza, Spain), Ana Lucia Figueredo, Elisa Minchole, Carolina Panadero, Dinora Polanco, Clara Viñado, Sandra García, Sara Gomara, Erika Leon, Laura Benedicto, Cristina Aguilar, Salvador Bello
PA2609	**Clinical features of influenza virus infection of 2013/2014 season** Yuki Iijima (Shimotsuke city, Tochigi prefecture, Japan), Yuki Iijima, Masashi Bando, Masayuki Nakayama, Naoko Mato, Takakiyo Nakaya, Hideaki Yamasawa, Yukihiko Sugiyama
PA2610	**The role of viral infection in the progression of community-acquired pneumonia (CAP)** Andrey Nikolaev (Saint-Petersburg, Russian Federation), Maxim Pugachev, Mikhail Kharitonov, Vladimir Ivanov, Vladimir Dancev, Yuriy Rudakov, Sergey Kotov, Svetlana Rubova, Mikhail Zhurkin, Andrey Nikolaev
PA2611	**Retrospective analysis of viral pneumonia cases due to pandemic H3N2** Coskun Dogan (Istanbul, Turkey), Coskun Dogan, Sevda Sener Comert, Benan Caglayan, Serap Gencer, Elif Torun Parmaksiz, Ali Fidan, Banu Salepci
PA2612	**Broccoli sprout homogenates and live attenuated influenza virus: Effect on peripheral blood natural kill cells** Loretta Mueller (Basel, Switzerland), Loretta Müller, Terry L. Noah, Ilona Jaspers
PA2613	**LSC Abstract – The expression and function of BPIFA1 in the pulmonary innate immune response to influenza A virus infection** Nathifa Moyo (Liverpool, United Kingdom), Nathifa Moyo, Gail Leeming, Khondoker Akram, Mark Tompkins, Gail Chapman, Tessa Walsh, Lynne Bingle, Colin Bingle, Ralph Tripp, James Stewart
PA2614	**LSC Abstract – Cellular crosstalk between airway epithelial and endothelial cells during viral infections** Cornelia Blume (Southampton, United Kingdom), Cornelia Blume, Emily J. Swindle, Riccardo Reale, Jane E. Collins, Timothy M. Millar, Hywel Morgan, Donna E. Davies
PA2615	**LSC Abstract – Role For IL-1alpha in viral-induced inflammatory responses in an epithelial-fibroblast co-culture model of the airway mucosa** Alison Hill (Southampton, United Kingdom), Alison Hill, Jessica Donaldson, Cornelia Blume, Liku Tezera, Hitasha Rupani, Paddy Dennison, Yvette Thirlwall, Kamran Tariq, Peter Howarth, Chris Grainge, Donna Davies, Emily Swindle
PA2616	**Mapping the cellular source and role of IL-22 in murine lung infections** Maximilian Plank (Callaghan, Australia), Maximilian Plank, Gerard Kaiko, Steven Maltby, Hock Tay, Jessica Stewart, Scott Durum, Paul Foster

Hall 14-27 Session 275 12:50 - 14:40

Thematic poster: Bronchiectasis and NTM infections: clinical and functional characterisation

Chairs : Felix C. Ringshausen (Hannover, Germany), Adam Hill (Edinburgh, United Kingdom), Pieter Goeminne (Bornem, Belgium), Anthony De Soyza (Newcastle upon Tyne, United Kingdom)

PA2617	**LATE-BREAKING ABSTRACT: Baseline demographic profile of subjects of the phase 3 RESPIRE 1 trial of ciprofloxacin dry powder for inhalation (DPI) in non-cystic fibrosis bronchiectasis (NCFB)** Anthony De Soyza (Newcastle upon Tyne, United Kingdom), Anthony De Soyza, Timothy Aksamit, Elisabeth Operschall, Tiemo-Joerg Bandel, Ulrike Krahn, Margarita Criollo, Robert Wilson
PA2618	**Prevalence of bronchiectasis in an inpatient respiratory service** Paul King (Melbourne, Australia), Philip George, Peter Holmes, Paul King
PA2619	**The dilation of bronchi (about 294 case)** Lamia Berny (Casablanca, Morocco), Lamia Berny, Hanane Benjelloune, Nahid Zaghba, Abdelaziz Bakhatar, Najiba Yassine
PA2620	**Diagnosis and aetiological treatment of bronchiectasis in adult patients** Dimitrios Mermigkis (Athens Marousi, Greece), Dimitrios Mermigkis, Agathi Lekkakou, Stavroula Patsilinakou, George Petsinis, Eftixia Kourtelesi, Semiramis Zakaki, Konstantinos Dalamarinis, Xanthi Tsiafaki
PA2621	**Impaired neutrophil function in patients with common variable immunodeficiency (CVID)** Stuart Elborn (Belfast, United Kingdom), D. Mooney, M.M. Tunney, J.D. Edgar, S. McGrath, L. McIlreavey, E. Johnston, J.S. Elborn
PA2622	**Viruses are commonly identified in the exhaled breath of adults with stable bronchiectasis** Alicia Mitchell (Naremburn, Australia), Alicia Mitchell, Francesca Tang, Qi Ge, Lucy Morgan, Brian Oliver
PA2623	**Bacterial colonization in bronchiectasis patients** Kemal Can Tertemiz (Izmir, Turkey), Kemal Can Tertemiz, Aylin Ozgen Alpaydin, Betul Ozdel Ozturk, Volkan Karacam
PA2624	**Clinical characteristics of pulmonary nocardiosis in immunocompetent patients** Tetsuo Fujita (Chiba, Japan), Tetsuo Fujita, Koichiro Tatsumi
PA2625	**Effectiveness of inhaled colistin by iNeb® device in non-CF bronchiectasis and chronic pseudomonas infection** Juan Manuel Lebron Ramos (Marbella, Spain), Juan Manuel Lebron Ramos, Luis Fernandez de Rota Garcia, Alicia Padilla Galo, Begoña Tortajada Goitia, Jose Joaquin Cebrian Gallardo, Francisco Rivas Ruiz
PA2626	**The use of home intravenous antibiotics in adult non-CF bronchiectasis** Louise Anning (Exeter, United Kingdom), Louise Anning, Mhairi McNeill, Alexander Rose, Hilary Mortimer, Nicholas Withers
PA2627	**Audit investigating inhaled corticosteroid use in bronchiectasis patients at University Hospital Llandough, Wales** Sabena Ali (Bristol, United Kingdom), Sabena Ali, Jamie Duckers, Dawn Lau
PA2628	**Sputum neutrophils and functional status in non-cystic fibrosis bronchiectasis (NCFB) is related to microbial colonization** Federico Dente (Pisa, Italy), Federico Lorenzo Dente, Marta Bilotta, Manuela Latorre, Letizia Vergura, Silvana Cianchetti, Barbara Vagaggini, Pierluigi Paggiaro
PA2629	**Comparison of metabolic and ventilatory demands and perception of effort during activities of daily living in patients with non-cystic fibrosis bronchiectasis and healthy subjects** Carina Nunes (Sao Paulo, Brazil), Carina Nunes, Jacqueline Boldorini, Anderson Camargo, Samia Rached, Rodrigo Athanazio, Fernanda Lanza, Alberto Cukier, Rafael Stelmach, Simone Dal Corso
PA2630	**Comparison of three methods for preparation of bronchiectasis sputum supernatents for biomarker measurement** Wasyla Ibrahim (Glasgow, United Kingdom), Wasyla Ibrahim, Megan Crichton, Alison Dicker, James Chalmers
PA2631	**Nontuberculous mycobacteria: Experience in a respiratory departament of a general university hospital** Ivis Suarez Lorenzo (Alicante, Spain), Ivis Suárez Lorenzo, Raquel García Sevila, Joan Gil Carbonell, Adelina Gimeno Gascón, Verónica Vilella Tomás, Concepción Martín Serrano, Juan Carlos Rodríguez Díaz
PA2632	**Clinical utility of serum anti-mycobacterium avium complex (MAC) antibody for diagnosis of MAC lung disease in asymptomatic patients with radiologically suspected MAC lung disease: A pilot study** Naoki Nishimura (Chuo City, Tokyo, Japan), Naoki Nishimura, Hiroshi Nakaoka, Torahiko Jinta, Yutaka Tomishima, Kohei Okafuji, Noboru Uchiyama, Naohiko Chohnabayashi
PA2633	**Efficacy and safety of kanamycin addition in patients with drug-refractory mycobacterium avium complex lung disease** Naoaki Watanabe (Tokyo, Japan), Naoaki Watanabe, Ryota Satou, Nobuharu Ohshima, Masahiro Kawashima, Kazuko Miyakawa, Ayumi Mitsune, Masahiro Ohgiya, Kenichi Okuda, Takahiro Ando, Aika Suzuki, Junko Suzuki, Kimihiko Masuda, Akira Yamane, Atsuhisa Tamura, Hideaki Nagai, Shinobu Akagawa, Hirotoshi Matsui, Nobuyuki Kobayashi, Ken Ohta

PA2634 **Positive respiratory samples with mycobacteria non tuberculous and aspergillus fumigatus: Retrospective and multicenter study**
Elodie Barras (Gauchin-le-Gal, France), Elodie Barras, Claire Andrejak, Vincent Jounieaux

PA2635 **Development of a quality of life module for nontuberculous mycobacteria (NTM)**
Alexandra Quittner (Coral Gables, United States of America), Alexandra L. Quittner, Anjana Madan, Estefany Saez-Flores, Kenneth N. Olivier, Kevin Fennelly, Andreas Schmid, Matthias Salathe

Hall 14-28 Session 276 12:50 - 14:40

Thematic poster: Immunodepression and severe pneumonia

Chairs : Carlos Agusti Garcia-Navarro (Barcelona, Spain), Ignacio Martin-Loeches (Dublin, Ireland), Miquel Ferrer Monreal (Barcelona, Spain), Carlos M. Luna (Buenos Aires, Argentina)

PA2636 **Modified IDSA/ATS minor criteria for severe community-acquired pneumonia best predicted mortality**
Qi Guo (Shenzhen, China), Qi Guo, Wei-dong Song, Hai-yan Li, Yi-ping Zhou, Ming Li, Xiao-ke Chen, Hui Liu, Hong-lin Peng, Hai-qiong Yu, Xia Chen, Nian Liu, Zhong-dong Lü, Li-hua Liang, Qing-zhou Zhao, Mei Jiang

PA2637 **Endothelial dysfunction and prognostic significance of endothelin-1 in patients with severe pneumonia and pulmonary sepsis**
Irina Balatskaya (Barnaul, Russian Federation), Tatiana Martynenko, Irina Balatskaya, Olga Dunaeva, Andrey Momot, Yakov Shoychet

PA2638 **Prevalence, characterization and impact of hospital-acquired infections in a pulmonology department**
Ana Marçôa (Matosinhos, Portugal), Raquel Marçôa, Rita Linhas, Daniel Coutinho, José Carneiro, Ana Gonçalves, Raquel Melo, Carla Ribeiro, Manuela Vanzeller, Nuno Vieira, Margarida Mota, Miguel Guimarães, Teresa Shiang

PA2639 **Bugs of the new era: More questions than answers**
Shyam Krishnan (Jamshedpur, India), Shyam Krishnan, Bhaskar Narayan Chaudhuri, Manasi Ghosh, Santu Samanta, Raja Dhar

PA2640 **Persistence of staphylococcus aureus in lower respiratory tract in patients undergoing mechanical ventilation**
Alicia Lacoma de la Torre (Badalona, Spain), Alicia Lacoma, Meissiner Gomes-Fernandes, Eduard Mesalles, Fernando Arméstar, Raquel Villar, Irma Casas, Sònia Molinos, Montserrat Giménez, Vicente Ausina, Cristina Prat

PA2641 **Three years analysis of pulmary infections of mechanically ventilated patiens in adult intensive care unit**
Arzu Dogru (Istanbul, Turkey), Arzu Dogru, Sibel Devrim, Canan Unlu, Elif Tigen Tukenmez, Melek Gura

PA2642 **Ventilator associated pneumonia in a respiratory intensive care unit: What has changed during three years period?**
Zehra Nur Töreyin (Izmir, Turkey), Zehra Nur Toreyin, Pervin Korkmaz Ekren, Sohret Aydemir, Husnu Pullukcu, Feza Bacakoglu

PA2643 **The treatment costs of ventilator associated pneuomonia in intensive care unit**
Arzu Dogru (Istanbul, Turkey), Arzu Dogru, Sibel Devrim, Canan Unlu, Elif Tukenmez Tigen, Melek Gura

PA2644 **Gastroparesis following lung transplantation: Risk factor for pneumonia**
Jordi Riera Del Brio (Barcelona, Spain), Jordi Riera, Jaume Baldirà, Sergio Ramirez, Cristopher Mazo, Carolina Maldonado, Berta Saez-Gimenez, Irene Bello, Teresa Pont, Jordi Rello

PA2645 **Features of systemic inflammation in patients with severe community-acquired (CAP) pneumonia of different etiology in HIV-infected patients**
Kseniia Bielosludtseva (Dniepropetrovsk, Ukraine), Kseniia Bielosludtseva

PA2646 **Diagnostic yield of bronchoalveolar lavage in hematological malignancies**
Kemal Can Tertemiz (Izmir, Turkey), Kemal Can Tertemiz, Aylin Ozgen Alpaydin, Seda Salman, Inci Alacacioglu

PA2647 **Pulmonary infections in patients receiving treatment of tumor necrosis factor alpha antagonists**
Yavuz Havlucu (Manisa, Turkey), Yavuz Havlucu, Fikret Kurhan, Timur Pirildar, Tugba Goktalay, Aysin Sakar Coskun, Pinar Celik, Arzu Yorgancioglu

PA2648 **The frequency of respiratory infections in patients with chronic hepatitis C treated with pegylated-Interferon**
Iosif Marincu (Timisoara, Romania), Iosif Marincu, Emilian Popovici, Stefan Mihaicuta, Patricia Poptelecan, Livius Tirnea

PA2649 **Pulmonary aspergillous; clinical features and outcomes in a tertiary care hospital**
Nousheen Iqbal (Karachi, Pakistan), Nousheen Iqbal, Muhammad Irfan, Ali Zubairi, Safia Awan, Javaid Khan

PA2650 **Pulmonary aspergilloma**
Regis Bopaka (Casablanca, Morocco), Regis Gothard Bopaka, Hasna Jabri, Wiam El Khattabi, Hicham Afif

PA2651	**Chronic necrotizing aspergillosis, an emerging trend in clinical practice** Miguel Lopes (Seixal, Portugal), Miguel Lopes, Fernando Menezes, Jorge Vieira
PA2652	**Impact of underlying respiratory diseases on clinical features and prognosis of chronic pulmonary aspergillosis** Midori Sugisaki (Tokyo, Japan), Midori Sugisaki, Eri Hagiwara, Hiroyuki Ito, Norikazu Matsuo, Tomohisa Baba, Shigeru Komatsu, Takashi Ogura
PA2653	**Risk factors for chronic pulmonary aspergillosis in a low prevalence country and their effect on survival** Nils Hoyer (Copenhagen, Denmark), Nils Hoyer, Jørgen Vestbo
PA2654	**Co-infection by pneumocystis jirovecii and histoplasma capsulatum presenting with pulmonary miliary pattern in an HIV positive young male** Carlos Andrès Celis Preciado (Bogota, Cundinamarca, Colombia), Javier Lasso, Laura Kattah, Marlon Bustos, Carlos Celis

Hall 14-29 Session 277 12:50 - 14:40

Thematic poster: Respiratory infections: from basic science to clinical issues

Chairs : Antonio R. Anzueto (San Antonio, United States of America), Michael Loebinger (London, United Kingdom), Francesco Blasi (Milan, Italy), John R Hurst (London, United Kingdom)

PA2655	**LATE-BREAKING ABSTRACT: Oral solithromycin has a favorable profile versus oral moxifloxacin for treatment of adult community-acquired pneumonia (CABP) in elderly patients and those with COPD or asthma** David Oldach (Chapel Hill, United States of America), David Oldach, Carlos Luna, Peter Szabo, Ismail Mitha, Cristina Tanaseanu, Alexis Doreski, Carlos Barrera, Anita Das, Kara Keedy, Brian Jamieson, Prabhavathi Fernandes
PA2656	**LATE-BREAKING ABSTRACT: Does sputum colour hold the answer? The AERIS study** Viktoriya (known as Victoria) Kim (Winchester, United Kingdom), Viktoriya L. Kim, Ngaire A. Coombs, Karl J. Staples, Nicholas P. Williams, Kristoffer Ostridge, Malwina M. Wojtas, Mathieu Peters, Emmanuel Aris, Jeanne-Marie Devaster, Simon C. Bourne, Tom M. Wilkinson
PA2657	**LATE-BREAKING ABSTRACT: Bronchial microbiome in severe persistent oral corticosteroid-dependent asthma** Laura Millares (Badalona, Spain), Laura Millares, Guadalupe Bermudo, Marian García-Nuñez, Carles Grimau, Natalia Martínez-López, Vicente Pérez-Brocal, Xavier Pomares, Christian Domingo, Eduard Monsó
PA2658	**LSC Abstract – Functional metagenomics of respiratoy microbiome in exacerbated COPD** Laura Millares (Badalona, Spain), Laura Millares, Rafaela Ferrari, Miguel Gallego, Vicente Pérez-Brocal, Concepción Montón, Xavier Pomares, Marian García-Nuñez, Silvia Capilla, Mateu Espasa, Andres Moya, Eduard Monsó
PA2659	**LSC Abstract – Monocyte-derived macrophages upregulate surface MR1 in response to NTHi** Joshua Wallington (Southampton, United Kingdom), Joshua Wallington, Richard McKendry, Anthony Williams, Karl J. Staples, Tom Wilkinson
PA2660	**LSC Abstract – Extracellular vesicle release by macrophages during infection with non-typeable Haemophilus influenzae** Charlotte Volgers (Maastricht, Netherlands), Charlotte Volgers, Birke Benedikter, Paul Savelkoul, Frank Stassen
PA2661	**LSC Abstract – The host genetic background impacts on pseudomonas aeruginosa-induced T cell responses and individual susceptibility/resistance to respiratory infection** Lorenza Spagnuolo (Milan, Italy), Lorenza Spagnuolo, Maura De Simone, Nicola Lorè, Cristina Cigana, Ida De Fino, Veronica Basso, Anna Mondino, Alessandra Bragonzi
PA2662	**Low level laser therapy (830nm) decreases LPS-induced acute respiratory distress syndrome independent of IL-10 release** Manoel Carneiro de Oliveira Jr (São Paulo, Brazil), Manoel Carneiro de Oliveira Junior, Auriléia Aparecida Brito, Nicole Cristine Rigonato Oliveira, Ana Roberta Almeida Oliveira, Jeferson Comin Jonco Aquino Junior, Adilson Santos Andrade Souza, Erasmo Assunção Neto, Luis Vicente Franco Oliveira, Ana Paula Ligeiro Oliveira, Rodolfo De Paula Vieira
PA2663	**Refractory severe asthma: Is presence of aspergillus in broncho-alveolar lavage significant?** Shyam Krishnan (Jamshedpur, India), Shyam Krishnan, Tarang Kulkarni, Samim Khan, Raja Dhar
PA2664	**Screening for methicilin-resistant staphylococcus aureus colonization: A pulmonology department experience** Rita Linhas (Porto, Portugal), Rita Linhas, Raquel Marçoa, Carla Ribeiro, Manuela Vanzeller, Teresa Shiang
PA2665	**Staphylococcus aureus and antibiotic susceptibility profiles in respiratory samples from inpatients of a tertiary pneumology center in Romania** Stefan Ciprian Gigea (Bucarest, Romania), Adriana Moisoiu, Stefan-Ciprian Gigea, Madalina-Maria Florea, Alexandra-Maria Sora, Ionela Erhan, Andrei-Alexandru Muntean, Stefan Dumitrache Rujinski, Dragos-Cosmin Zaharia, Miron Alexandru Bogdan, Mircea-Ioan Popa

PA2666 **Clinical implications of agr operon activity in staphylococcus aureus strains isolated from respiratory samples**
Alicia Lacoma de la Torre (Badalona, Spain), Maisem Laabei, Meissiner Gomes-Fernandes, Alicia Lacoma, Raquel Villar, Tobias A. Jenkins, Vicente Ausina, Cristina Prat

PA2667 **Concentrations of immunoglobulin G antibodies against pertussis toxin does not decrease over a long period of time in Japan**
Yumi Sakakibara (Tokyo, Japan), Yumi Sakakibara, Yoshio Ohtani, Torahiko Jinta, Toshihide Fujie, Yasunari Miyazaki, Naohiko Inase

PA2668 **Evolving profile of hydatid cysts about 42 cases**
Imène Touari (Batna, Algeria), Imene Touari, Meriem Bouali, Asma Ouahchi, Souad Hamoud, Mohamed Redha Selmani, Abdelmadjid Djebbar

PA2669 **Complicated hydatid cyst of lung**
Hamida Kwas (Ariana, Tunisia), Hamida Kwas, Emna Guermazi, Ines Zendah, Amel Khattab, Ibtihel Khouaja, Habib Ghedira

PA2670 **LSC Abstract – Chitinase-like protein Chil1 modulates type I interferon response through TLR9-AP3-IRF7 axis during streptococcus pneumoniae lung infection**
Charles Dela Cruz (New Haven, United States of America), Wei Liu, Chad Marion, Rajvir Singh, Chuan Hua He, Chun Geun Lee, Jack Elias, Charles Dela Cruz

PA2671 **Exhaled breath analysis and measurement of respiratory mechanics in calves suffering from enzootic bronchopneumonia (EBP)**
Carmen Claudia Klein (Gotha, Germany), C.C. Klein, S. Wietstock, A.-K. Dorn, A. Kappe, W.-I. Bock, A. Ahrens

PA2672 **LSC Abstract – The inflammatory response to streptococcus pneumoniae is exaggerated by the polysaccharide capsule**
Jimstan Periselneris (London, United Kingdom), Jimstan Periselneris, Suneeta Chimalapati, Gillian Tomlinson, Catherine Hyams, Alex Dyson, Mahdad Noursadeghi, Jeremy Brown

PA2673 **Glycosylation studies of G-protein of BA genotype of group B human respiratory syncytial virus in mammalian cells**
Wajihul Khan (Delhi, India), Wajihul Khan, Raghuram VLN Shrungaram, Shobha Broor, Shama Parveen

Hall 14-30 Session 278 12:50 - 14:40

Thematic poster: Non-tuberculous mycobacteria and molecular microbiology

Chairs : Dirk Wagner (Freiburg, Germany), Berit Lange (Freiburg, Germany), Christian Wejse (Aarhus, Denmark), Jayanth Bhat (Birmingham, United Kingdom)

PA2674 **Chest imaging comparison between non-tuberculous and tuberculosis mycobacteria in sputum acid fast bacilli smear-positive patients**
Haiqing Chu (Shanghai, China), Haiqing Chu, Bing Li, Lan Zhao, Dongdong Huang, Zhemin Zhang, Jingbo Zhang, Tao Gui, Liyun Xu, Xiwen Sun

PA2675 **Clinical evaluation of glycopeptidolipid core antigen IgA antibodies for serodiagnosis of mycobacterium avium complex disease**
Yoshihiro Kobashi (Kurashiki Okayama, Japan), Yoshihiro Kobashi, Keiji Mouri, Shigeki Kato, Mikio Oka

PA2676 **Retrospective investigation of the usefulness of GPL-core antibody for diagnosing MAC-PD in patients who had undergone bronchoscopic examination**
Yasunari Kishino (Tokyo, Japan), Yasunari Kishino, Tsukasa Ohnishi, Sojiro Kusumoto, Hitomi Furukawa, Yasunori Murata, Shin Ohta, Mayumi Yamamoto, Yoshio Watanabe, Hiroo Ishida, Shintaro Suzuki, Takao Shirai, Akihiko Tanaka, Takuya Yokoe, Hironori Sagara

PA2677 **The change in serum Ca 19-9 levels according to treatment responses in pulmonary nontuberculous mycobacterial disease**
Eunhye Lee (Seoul, Republic of Korea), Eunhye Lee, Ji Young Hong, Young Ae Kang, Ji Eun Park, Eunkyong Goag

PA2678 **Stricter microbiological criteria are useful surrogate in estimating the prevalence of nontuberculous mycobacterial pulmonary disease in Croatia**
Marko Jakopovic (Zagreb, Croatia), Mateja Jankovic Makek, Ivan Sabol, Jakko Van Ingen, Marko Jakopovic, Ljiljana Zmak, Vera Katalinic-Jankovic, Brigita Ticac, Ljiljana Bulat-Kardum, Gzim Redzepi, Mirna Vranic-Ladavac, Miroslav Samarzija

PA2679 **Systemic corticosteroid and inhalation corticosteroid therapy are associated with nontuberculous mycobacterial pulmonary disease**
Marko Jakopovic (Zagreb, Croatia), Mateja Jankovic Makeke, Ivan Sabol, Jakko Van Ingen, Marko Jakopovic, Ljiljana Zmak, Andrea Vukic Dugac, Ana Hecimovic, Daniel Sekula, Drazen Strelec, Dina Mihelcic, Miroslav Samarzija

PA2680	**Clinical resuts of therapy for non-tuberculous myocardium avium complex -Multicentric retrospective study of 581 patients in Japan** Shuichi Yano (Matsue, Japan), Shuichi Yano, Kazunari Tsuyuguchi, Katsuhiro Suzuki, Toumei Ogawa, Katsuo Yamada, Masaji Okada, Norimasa Ito
PA2681	**Mediastinal nontuberculous mycobacteria (NTM) – A rare entity** Neeraj Shah (New Malden, United Kingdom), Neeraj Shah, Akanksha Malhotra, Felicity Perrin, Marc Lipman, George Santis, Ronan Breen
PA2682	**Non tuberculous mycobacteria (NTM) contamination in a hospital water supply network: Association with pulmonary infection in respiratory wards** Gregorino Paone (Rome, Italy), Salvatore D'Antonio, Daniela Orazi, Elisabetta Magini, Alfonso Altieri, Mario Giuseppe Alma, Giovanni Puglisi, Isabella Sanguigni, Rita De santis, Gregorino Paone
PA2683	**Non-tuberculous mycobacterium incidence & treatment rates in university hospitals of North Midlands (UK)** Jayanth Bhat (Birmingham, United Kingdom), Jayanth Bhat, Ashwin Rajhan, Sushil Agarwal, Mandy Middleton, Svenrick Lehm
PA2684	**Clinical importance of pulmonary nontuberculous mycobacteria isolated among HIV-positive individuals in Ghana** Stephanie Bjerrum (Valby, Denmark), Stephanie Bjerrum, Joseph Oliver Commey, Mercy Jemina Newman, Kennedy Kwasi Addo, Sabine Ruesch-Gerdes, Aase Bengaard Andersen, Isik Somuncu Johansen
PA2685	**Pulmonary mycobacterium xenopi infection in Japan** Ayako Shiozawa (Shinjyuku, Japan), Ayako Shiozawa, Eriko Morino, Jin Takasaki, Masayuki Hojo, Haruhito Sugiyama
PA2686	**Utility of PCR in bronchial aspirate samples for rapid diagnosis of tuberculosis** Noemi Mengual Macenlle (A Coruña, Spain), Noemí Mengual Macenlle, Pilar Sanjuán López, Manuel Lorenzo López Reboiro, Antón Penas Truque, Lidia Méndez Marote, Luis Alejandro Pérez de Llano
PA2687	**Genotypes and drug resistance patterns of multi-drug-resistant mycobacterium tuberculosis strains in Pakistan** Hasnain Javed (Lahore, Pakistan), Hasnain Javed, Nazia Jamil
PA2688	**Genotypes of mycobacterium tuberculosis isolates from autopsy material of HIV-positive tuberculosis patients in Russia** Anna Vyazovaya (St. Petersburg, Russian Federation), Anna Vyazovaya, Marina Maiskaya, Tatiana Otten, Igor Mokrousov, Olga Narvskaya
PA2689	**The distribution of Beijing genotype among mycobacterium tuberculosis strains obtained from patients of different dispensary registration groups from Nizhny Novgorod region of the Russian Federation in 2013-2014** Yulia Alyapkina (Moscow, Russian Federation), Yu S. Alyapkina, E.A. Iljina, L. Yu Vatolina, V. Yu Zhuravlev
PA2690	**Evaluation of real-time polymerase chain reaction assay for the diagnosis of mycobacterium tuberculosis complex** Adriana Socaci (Timisoara, Romania), Adriana Socaci, Georgeta Gilda Popescu, Constantin Marica
PA2691	**Early detection of pulmonary TB in children by STNPCR in blood and urine** Juliana Figueirêdo da Costa Lima (Recife, Brazil), Juliana Figueirêdo da Costa Lima, Fabiana Cristina Fulco Santos, Lílian Maria Lapa Montenegro, Gabriela De Moraes Rêgo Guedes, Haiana Charifker Schindler, Aline Santos Peixoto, Marcela Pereira Salazar, Rosana Albuquerque Montenegro
PA2692	**Nonspecific microflora in patients associated with pulmonary multidrug-resistant tuberculosis** A.O. Hayrapetyan (Abovian, Armenia), L.T. Nikolayan, N.R. Beglaryan, A.O. Hayrapetyan
PA2693	**Usefulness of MDCT and MRI in determining of drug-resistant tuberculosis** Stevan Ivkovic (Nis, Republic of Serbia), Stevan Ivkovic, Aleksandar Ivkovic, Tamara Milosavljevic, Dusan Ivkovic

Hall 14-31 Session 279 12:50 - 14:40

Thematic poster: Treatment of TB (MDR-TB): co-morbidities, adverse effects and outcomes

Chairs : Alena Skrahina (Minsk region, Belarus), Raquel Almeida Ferreira Duarte Bessa Melo (Porto, Portugal), Christoph Lange (Borstel, Germany), Olena Oliveira (Porto, Portugal)

PA2694	**Clinical characteristics and treatment outcomes of patients with pulmonary tuberculosis with delayed conversion over 4 months** Bae Soohyun (Daegu, Republic of Korea), SooHyun Bae, YooMi Yeo, KyoungWook Jo, TaeSun Shim
PA2695	**Factors influencing sputum smear conversion delay in tuberculosis** Soumaya Ben Saad (Bizerte, Tunisia), Islam Mejri, Soumaya Ben Saad, Hahaoua Daghfous, Mouna Ben Khlifa, Fatma Tritar

PA2696	**Healing predictors when treating MDR-TB** Houda Snène (Tunis, Tunisia), Houda Snène, Hafaoua Daghfous, Soumaya Ben Saad, Mouna Ben Khelifa, Sameh Belhadj, Leila Slim, Fatma Tritar
PA2697	**Case series of 83 XDR-TB patients in an urban hospital of Gujarat, India; an interim analysis** Kumar Utsav (Varanasi, India), Kumar Utsav, Rajesh N. Solanki
PA2698	**Improvement of the treatment protocol for newly diagnosed pulmonary tuberculosis, depending on the glutathione-S-transferase gene polymorphism** Lilia Todoriko (Chernivtsi, Ukraine), Lilia Todoriko, Igor Semyaniv
PA2699	**Failure predictors when treating MDR-TB** Houda Snène (Tunis, Tunisia), Houda Snène, Hafaoua Daghfous, Soumaya Ben Saad, Mouna Ben Khelifa, Sameh Belhadj, Leila Slim, Fatma Tritar
PA2700	**Centralization of M/XDR-TB care in clinical reference centres in Portugal. Experience of a regional reference centre** Olena Oliveira (Porto, Portugal), Olena Oliveira, Anabela Silva, Ana Antunes, Ricardo Reis, Ana Horta, Raquel Duarte
PA2701	**Treatment outcome of MDR pulmonary tuberculosis in a tertiary care hospital of Karachi, Pakistan** Danish Rao (Karachi, Pakistan), Danish Rao, Nisar Rao, Saifullah Baig, Nadeem Ahmed
PA2702	**Short term effects of dendritic cell based immunotherapy in multiple and extensively drug resistant pulmonary tuberculosis in Belarus** Larisa Litskevich (Minsk, Belarus), Litskevich Larysa, Skrahin Alexander, Shpakovskaya Natalia, Hancharou Andrey, I.V. Romanova, Titov Leonid
PA2703	**Estimating costs for treating patients with multi-drug resistant tuberculosis (MDR TB) under the regional tuberculosis control program, Tomsk (Russia)** Nataliya Zemlyanaya (Tomsk, Russian Federation), Nataliya Zemlyanaya, Irina Gelmanova, Sergey Mishustin, Galina Janova
PA2704	**Active pharmacovigilance for multidrug-resistant tuberculosis patients treated with Linezolid, Belarus – 2014-2015** Alena Skrahina (Minsk region, Belarus), Alena Skrahina, Hennadz Hurevich, Dennis Falzon, Liudmila Zhylevich, Valiantsin Rusovich, Masoud Dara, Andrei Dadu, George Sakvarelidze, Svetlana Setkina
PA2705	**Plasma concentration of isoniazid and rifampin in new tuberculosis patients with and without diabetes mellitus** Parvaneh Baghaei Shiva (Tehran, Islamic Republic of Iran), Parvaneh Baghaei, Payam Tabarsi, Mohammad Reza Masjdei
PA2706	**Patients over 35 years experience more side-effects during latent TB treatment: Experience from an urban hospital with a high incidence of Tuberculosis** Karwai Tsang (London, United Kingdom), Karwai Tsang, Ahmed Seedat, Edward Morris, Stella Abiona, Moerida Belton
PA2707	**Could side effects of MDR-TB treatment change the outcome of the disease?** Houda Snène (Tunis, Tunisia), Houda Snène, Hafaoua Daghfous, Soumaya Ben Saad, Mouna Ben Khelifa, Sameh Belhadj, Leila Slim, Fatma Tritar
PA2708	**Side effect profile of 2nd line drugs in multi drug resistant (MDR) and extensively drug resistant (XDR) tuberculosis** Bhumika Madhav (Navi Mumbai, India), Bhumika Madhav, Aparna Iyer, T.K. Jayalakshmi
PA2709	**The side effects, the outcome and the mortality of anti-tuberculosis treatment in dialyzed patients: A 10-year retrospective analysis** Nayuta Saito (Tokyo, Japan), Nayuta Saito, Yugo Kaneko, Yuri Baba, Hironori Kawamoto, Ikumi Fujisaki, Kai Ryu, Sho Watanabe, Tsugumi Horikiri, Aya Seki, Akira Kinoshita, Hiroshi Takeda, Keisuke Saito, Kazuyoshi Kuwano
PA2710	**Peripheral neuropathy in XDR-TB patients on second line anti-tubercular therapy** Mani Tiwari (Surat, India), Mani Tiwari, Mahendra Patel, Khyati Shamaliya
PA2711	**Confirmation of preclinical data on tioureidoiminomethylpyridinium perchlorate in treatment of MDR-TB** Anna Starshinova (St-Peterburg, Russian Federation), Maria Pavlova, Tatiana Vinogradova, Anna Starshinova, Piotr Yablonskii, Irina Chernokhaeva, Ludmila Archakova, Nadezda Sapozhnikova

Hall 14-32 Session 280 12:50 - 14:40

Thematic poster: Epidemiology of TB: deaths, co-morbidities, migration and children

Chairs : Enrico Girardi (Rome, Italy), Graham H. Bothamley (London, United Kingdom), Ivan Solovic (Vysne Hagy, Slovakia), Daniela Maria Cirillo (Milan, Italy)

PA2712	**Age-specific mortality among tuberculosis-patients in Denmark 1998-2010** Andreas Fløe Nielsen (Aarhus V, Denmark), Andreas Fløe, Ole Hilberg, Christian Wejse, Anders Løkke, Jakob Kjellberg, Rikke Ibsen, Poul Jennum

PA2713	**The causes of death among patients with tuberculosis** Liljana Simonovska (Skopje, FYROM (Macedonia)), Lijlana Simonovska, Mirjana Trajcevska, Vladimir Mitreski, Iva Simonovska
PA2714	**Latent tuberculosis infection and the risk of cancer: A nationwide population-based study** Vincent Yi-Fong Su (Taipei, Taiwan), Vincent Yi-Fong Su, Wei-Juin Su
PA2715	**Prevalence of pre-XDR-TB, XDR-TB among MDR-TB Patients registered at Ojha Institute of Chest Diseases, Karachi** Nisar Ahmed Rao (Karachi, Pakistan), Nisar Rao, Saifullah Baig, Niaz Hussain, Nadeem Ahmed, Danish Rao
PA2716	**Risk factor and resistance pattern of MDR TB among suspected cases of Oromia Region** Mohammed Suaudi Hassen (Adama, Ethiopia), Mohammed Suaudi Hassen
PA2717	**Drug resistance among new TB cases in some Russian regions** Vadim Testov (Fryazino, Moscow Region, Russian Federation), Vadim Testov, Vladimir Puzanov, Marina Yakimova, Victor Punga
PA2718	**Prevalence of drug resistance in foreign-born TB patients in Germany and among TB patients in the country of origin: Are they similar? The example of Turkey (2005-2010) and Russia (2010-2011)** Anne Lallemand (Berlin, Germany), Anne Lallemand, Walter Haas, Barbara Hauer, Lena Fiebig
PA2719	**The top of the iceberg - Extensively drug resistant tuberculosis (XDR-TB) in 2010** Ramona Elena Nedelcu (Bucarest, Romania), Ramona Elena Nedelcu, Gilda Popescu, Victor Spinu, Cristina Popa
PA2720	**The twin epidemics: HIV / DR-TB co-infection in 2012** Ramona Elena Nedelcu (Bucarest, Romania), Ramona Elena Nedelcu, Victor Spinu, Gilda Popescu
PA2721	**Prevalence and trend of ofloxacin-resistance among MDR-TB including XDR-TB cases in Ukraine** Svitlana A. Cherenko (Kiev, Ukraine), Svitlana Cherenko, Nataliia Litvinenko
PA2722	**Danish born children with tuberculosis: An epidemiological and genetic investigation of source cases** Line Lindebo Holm (Copenhagen, Denmark), Line Lindebo Holm, Erik Svensson, Peter Andersen, Isik Somunco Johansen
PA2723	**Diabetes mellitus and pulmonary tuberculosis – Portuguese retrospective cohort** João Henrique Cordeiro da Costa (Baguim do Monte - Gondomar, Portugal), João Cordeiro da Costa, Marta Gomes, Raquel Duarte
PA2724	**Clinical and epidemiological characteristics of tuberculosis in children after the cancel of massive tuberculin diagnostics and BCG revaccination at the age of 14** Alexander Eismont (Minsk, Belarus), Aleksandr Eismant, Anna Plashchinskaya, Zhanna Krivosheeva
PA2725	**Characteristics of non-resident new TB cases in Moscow City, Russia** Evgeny Belilovskiy (Moscow, Russian Federation), Elena Bogorodskaya, Sergey Borisov, Evgeny Belilovsky, Piotr Seltsovsky, Ludmila Rybka
PA2726	**Prevalence of diabetes mellitus in new tuberculosis cases in Baghdad** Mohammad Abdulrazaq (Baghdad, Iraq), Mohammad Abdulrazaq, Abdulla Alfarttoosi
PA2727	**Features of pulmonary tuberculosis in migrants** Artiom Jucov (Chisinau, Republic of Moldova), Artiom Jucov, Evelina Lesnic
PA2728	**HIV and tuberculosis co-infection: A 7 year retrospective cohort study** David Manuel Araújo (Porto, Portugal), David Araújo, Leonor Meira, Leonor Almeida, Rita Boaventura, Nuno Osório, Ivo Ferreira, Sara Magalhães, Angélica Ramos, Teresa Carvalho, Fernando Rodrigues, António Castro, João Tiago Guimarães, Margarida Saraiva, Helder Novais Bastos
PA2729	**Tuberculosis recurrence** Soumaya Ben Saad (Bizerte, Tunisia), Islam Mejri, Soumaya Ben Saad, Hahaoua Daghfous, Mouna Ben Khlifa, Fatma Tritar
PA2730	**Seasonaly of pulmonary tuberculosis in Tunisia** Jouda Cherif (Tunis, Tunisia), Jouda Cherif, Sonia Toujani, Asma Sebei, Meriem Mjid, Yacine Ouahchi, Nozha Ben Salah, Jalloul Daghfous, Bechir Louzir, Nadia Mehiri, Majed Beji
PA2731	**Detection of tuberculous etiology of bronchiectasis in a high burden TB country** Oxana Munteanu (Chisihau, Republic of Moldova), Oxana Munteanu, Doina Rusu, Nicoleta Chetrari, Victor Botnaru

Hall 14-33 Session 281 12:50 - 14:40

Thematic poster: Management of TB: a patient focus

Chairs : Marc Lipman (London, United Kingdom), Keertan Dheda (Cape Town, South Africa), Martina Sester (Homburg, Germany), Valeriu Crudu (Chisinau, Republic of Moldova)

PA2732	**Patient and health system delays for tuberculosis patients diagnosed in medical colleges of Puducherry in India** Ramesh Chand Chauhan (Puducherry, India), Ramesh Chand Chauhan, Anil Jacob Purty, Zile Singh
PA2733	**Predictors of defaulting from treatment among patients with tuberculosis** Mohammad Abdulrazaq (Baghdad, Iraq), Mohammad Abdulrazaq, Layth Salihi, Abdulla Alfarttoosi
PA2734	**Out-patient MDR-TB care in Moldova** Alexandru Buga (Chisinau, Republic of Moldova), Alexandru Buga, Valeriu Crudu, Liliana Domente, Gunta Dravniece, Marina Tadolini, Giovanni Battista Migliori, Davide Manissero
PA2735	**MDR TB treatment results of GFATM program implementation in Tomsk, Russia** Dmitrii Taran (Moscow, Russian Federation), Dmitrii Taran, Peter Golubchikov
PA2736	**Tuberculosis and diabetes mellitus: Treatment outcomes using directly observed therapy (DOT)** Neus Altet (Barcelona, Spain), Neus Altet, Joan Pau Millet, Jose Maldonado, Israel Molina, Joel Gonzalez, Juanita Soteras
PA2737	**A cross-over study to compare the Lung Flute™ to hypertonic saline inhalation about the performance of inducing sputum for the diagnosis of pulmonary tuberculosis** Kentaro Sakashita (Tokyo, Japan), Kentaro Sakasihta, Akira Fujita, Mikio Takamori, Tomonari Matsumoto, Eriko Shigeto, Takehumi Saitou, Yasuto Nakatsumi, Taku Nakagawa, Kenji Ogawa, Satoshi Mitarai, Hideo Ogata, Hajime Goto
PA2738	**Diagnosis of pulmonary and extra-pulmonary tuberculosis in Paraguay using the electronic nose (ParaNose study)** Rosarito Coronel (Asuncion, Paraguay), Rosarito Coronel, Mabel Rodriguez, Marcel Bruins, Jan Willem Gerritsen, Roscio Gomez, Gilberto Chaparro, Domingo Perez, Jan Bart Yntema, Cecile Magis-Escurra
PA2739	**Transmission of mycobacterium tuberculosis Ural 163-15 lineage causing multidrug-resistant tuberculosis among hospitalized patients** Valeriu Crudu (Chisinau, Republic of Moldova), Valeriu Crudu, Matthias Merker, Christoph Lange, Ecaterina Noroc, Elena Romancenco, Dumitru Chesov, Gunar Günther, Alaxandru Buga, Sofia Alexandru, Stefan Niemann
PA2740	**Monitoring of mycobacterium tuberculosis presence on the objects of TB hospital** Natalya Eremeeva (Yekaterinburg, Russian Federation), Nataly Eremeeva, Diana Vakhrusheva, Marionella Kravchenko, Vladimir Kanishev, Xenija Belousova, Tatjana Umpeleva
PA2741	**Treatment outcome among HIV positive and HIV negative TB patients in Chandigarh, India: A retrospective cohort study** Shveta Saini (Panchkula, Haryana, India), Shveta Saini, Mukhmohit Singh
PA2742	**Trend and risk factors of drug resistance tuberculosis between 2005-2012 in Istanbul, Turkey** Aylin Babal k (Istanbul, Turkey), Aylin Babalik, Sinem Koyman, Aysegül Yildirim, Zeki Kiliçaslan
PA2743	**Tuberculosis in native and foreign born populations in Portugal** Raquel Almeida Ferreira Duarte Bessa Melo (Porto, Portugal), João Paulino, Raquel Duarte, Ana Martins, Miguel Machado, Rita Gaio
PA2744	**Aspects of TB endemia in Bucharest** Emilia Tabacu (Bucarest, Romania), Emilia Tabacu, Gilda Popescu, Nicoleta Cioran
PA2745	**Anti-tuberculosis drug resistance distinctive features -The Republic of Azerbaijan 2012-2013** Irada Akhundova (Baku, Azerbaijan), Irada Akhundova, Elcan Mammedbekov
PA2746	**Fifteen years period (2000-2014) of resistant TB forms in Vojvodina (Serbia)** Miroslav Ili (Beograd, Republic of Serbia), Miroslav Ilic, Ivan Kopitovic, Marija Vukoja, Vesna Kuruc, Svetlana Kasikovic-Lecic
PA2747	**Drug-resistant tuberculosis in Turkmenistan: Results of the first nationwide survey** Andrei Dadu (Copenhagen, Denmark), Meahry Durdyeva, Svetlana Tomasova, Arax Hovhannesy, Bahtygul Karriyeva, Masoud Dara, Harald Hoffmann, Pierpaolo De Colombani, Matteo Zignol, Andrei Dadu
PA2748	**Comparative lentiviral versus adenoviral gene transfer of GM-CSF to bone marrow-derived versus pulmonary macrophages of mice** Alena Singpiel (Hannover, Germany), Alena Singpiel, Julia Schneider, Regina Maus, Jennifer Bohling, Friederike Behler-Janbek, Renata Stripecke, Tobias Welte, Ulrich Maus

PA2749 **The effectiveness of TB treatment in patients with gastrointestinal tract disorders, depending on the way of administration of anti-TB drugs**
Mykhailo Kuzhko (Kiev, Ukraine), Mykhailo Kuzhko, Ljubomyr Procyk, Oksana Avramchuk

PA2750 **Combined collapse therapy in the treatment of cavitary pulmonary tuberculosis (CPTB)**
Igor Motus (Ekaterinburg, Sverdlovsk Oblast, Russian Federation), Igor Motus, Igor Medvinskiy, Elena Kildusheva, Sergey Skornyakov, Glafira Zaletaeva, Anna Tzvirenko, Eugeniy Egorov, Svetlana Krasnoborova

PA2751 **C-reactive protein and pulmonary tuberculosis: What correlation with disease severity**
Hamida Kwas (Ariana, Tunisia), Hamida Kwas, Emna Guermazi, Ines Zendah, Emna Ben Jemia, Amel Khattab, Ibtihel Khouaja, Habib Ghedira

Hall 14-34 Session 282 12:50 - 14:40

Thematic poster: Case series and clinical conundrums in TB

Chairs : Heinke Kunst (London, United Kingdom), Simon Tiberi (London, United Kingdom), Elmira Ibraim (Bucarest, Romania), Lorenzo Guglielmetti (Paris, France)

PA2752 **Active tuberculosis prevalence and characteristics of tuberculosis patients in liver transplant patients**
Aylin Özgen Alpaydin (Izmir, Turkey), Aylin Ozgen Alpaydin, Mucahit Ozbilgin, Madina Abdulleyeva, Selver Seda Salman, Tufan Egeli, Tarkan Unek, Oguz Kilinc, Vildan Avkan-Oguz

PA2753 **Clinical manifestations and efficacy MDR/XDR tuberculosis in patients with different type's of diabetes mellitus**
Oksana Komissarova (Moscow, Russian Federation), Oksana Komissarova, Olga Konyayeva, Olga Berejnaya, Rizvan Abdullaev, Irina Vasilyeva

PA2754 **Tuberculosis in patients receiving treatment of TNF-alpha inhibitors**
Sermin Börekçi (İstanbul, Turkey), Sermin Borekci, Deniz Demir Yilmaz, Ersan Atahan, Yesim Ozguler, Benan Musellim, Vedat Hamuryudan, Hurrem Gul Ongen

PA2755 **Clinical and morphological features of HIV-associated tuberculosis**
Nkolaj Burinsky (Gomel, Belarus), Nikolaj Burynski, Irina Buynevich, Roman Loginov, Svetlana Goponyako, Elena Demidova

PA2756 **Endobronchial tuberculosis**
Nawal Lakhdar (casablanca, Morocco), Nawal Lakhdar, Hasnae Jabri, Wiam El Khattabi, Hicham Afif

PA2757 **Opportunistic infections in patients with lung tuberculosis**
Alexey Shibanov (Moscow, Russian Federation), Alexey Shibanov, Vladimir Stakhanov, Natalia Karazhas, Maria Kornienko, Maria Kalugina, Tatiyana Rybalkina

PA2758 **Capsule endoscopy study on the prevalence of intestinal abnormality in pulmonary tuberculous patients with smear-positive acid-fast bacilli in feces**
Miwako Saitou (Aiduwakamatsu, Japan), Miwako Saitou, Daiki Nemoto, Kennichi Utano, Tomoko Suzuki, Kazutomo Togashi, Katsunao Niitsuma

PA2759 **Age as a factor affecting the diagnostic accuracy of TB lymphadenitis**
Kavita Dave (Milton Keynes, United Kingdom), Kavita Dave, Anita Saigal, Farhan Ullah, Ferduche Miah, Hardeep Kalsi, Robert Sands, Ajitha Jayaratnam

PA2760 **Tuberculous empyema: Risk factors and prognosis**
Soumaya Ben Saad (Bizerte, Tunisia), Bouthaina Melki, Soumaya Ben Saad, Hahaoua Daghfous, Mouna Ben Khlifa, Fatma Tritar

PA2761 **Primary sternal tuberculosis mimicking anterior chest wall tumor: A case report**
Ayse Bahadir (Istanbul, Turkey), Bahadir Ayse, Mediha Gönenc Ortaköylü, Levent Cansever, Belma Akbaba, Mehmet Ali Bedirhan

PA2762 **Management of pulmonary tuberculosis sequelae**
Aymen Ayari (Bizerte, Tunisia), Aymen Ayari, Hanene Smadhi, Islam Mejri, Hela Kamoun, Dorra Greb, Iness Akrout, Hela Hassen, Hejar Abdellghaffar, Leila Fkih, M. Lamine Megdiche

PA2763 **Induced sputum or bronchoscopy in smear negative tuberculosis: A randomized study**
Inge Muylle (Anderlecht, Belgium), Inge Muylle, Marie-Christine Payen, Maria Gabrovska, Peter Rummens, Vincent Ninane

PA2764 **Consecutive surgical treatment for bilateral fibro-cavernous pulmonary TB**
Kirill Vladimirov (St.Petersburg, Russian Federation), Pyotr Yablonskii, Armen Avetisian, Galina Marfina, Grigorii Kudriashov, Kirill Vladimirov, Igor Vasilev, Evgenia Popova

PA2765	**Ocular tuberculosis** Maria Francisca Teixeira Lopes (Lisbon, Portugal), Francisca Teixeira Lopes, Sara Alfarroba, Ana Dinis, Maria da Conceição Gomes, António Tavares
PA2766	**Anterior chest wall tuberculosis in children** Ilija Kirovski (Skopje, FYROM (Macedonia)), Ilija Kirovski
PA2767	**The effectiveness of polymerase chain reaction in testing the removed portion of lung during surgery** Fatima Tashpulatova (Tashkent, Uzbekistan), Mirza Nigmatovich Tillashayhov, Z.A. Sayfiddinov, Z.H. Nuritdinov, Fatima Tashpulatova, Abduvahob Baboev
PA2768	**Minimal inhibiting concentration of cationic surfactants against various genotypes of mycobacterium tuberculosis (MBT)** Natalya Eremeeva (Yekaterinburg, Russian Federation), Natalya Eremeeva, Diana Vakhruscheva, Marionella Kravchenco
PA2769	**Chest xray-may be a useful modality in detection of tuberculosis under national programme** bornali Datta (GURGAON, India), Bornali Datta, David Ford, T.C. Tanwar, Poulomi Chatterjee, Pinky Goyal
PA2770	**Notified or missed cases? An assessment of successful linkage for referred tuberculosis patients in South India** Ramesh Chand Chauhan (Puducherry, India), Ramesh Chand Chauhan, Anil Jacob Purty
PA2771	**The correlation between IRF-7 polymorphism (rs3758650) and tuberculosis in Chinese Han people** Quan Wu (Chengdu, China), Quan Wu, Can Wu, Yu Wang, Yi Ji, Qian Liu, Qing He

Hall 14-35 Session 283 12:50 - 14:40

Thematic poster: New developments in medical education, web and internet

Chairs : Tiago Manuel Pombo Alfaro (Coimbra, Portugal), Monica Fletcher (Warwick, United Kingdom), Patricia L. Haslam (London, United Kingdom), Chair to be confirmed

PA2772	**Improving standards of NIV - Simulation training** Gemma Probert (Stockton, United Kingdom), Gemma Probert, Nadia Stock, Catherine Popplewell
PA2773	**The use of mobile instant messaging technology to communicate audit findings and improve standards** Lekshmi Das (Dewsbury, United Kingdom), Lekshmi Das, Kate Williams
PA2774	**GOLD and GINA based software tool helps general practitioners to personalize COPD and asthma management** Rustem Zulkarneev (Ufa, Republic of Bashkortostan, Russian Federation), Rustem Zulkarneev, Ildar Nugaev
PA2775	**Pneumothorax management in Greece: A nationwide survey of respiratory physicians** Charalampos Moschos (Athens, Greece), Angeliki A. Loukeri, Evgenia Triantafyllidou, Panagiotis-Dimitrios Spithakis, Zafeiria Barmparessou, Christos F. Kampolis, Charalampos Moschos
PA2776	**A new team based non-technical skills educational course to improve the assessment and management of acutely ill respiratory patients** Andrew Scott (Galway, Ireland), Andrew Scott, John Garvey, Anthony O'Regan, Dara Byrne
PA2777	**Lung function testing: Knowledge of French pulmonology residents** Maxime Patout (Rouen, France), Maxime Patout, Benjamin Coiffard, Lucile Sésé, Sylvia Korzeniewski, Valery Bunel, Antoine Luchez, Marie Desseigne, Malo Emery, Elodie Lhuillier, Hélène Salvator, Stephan Matecki, Thierry Perez, Arnaud Chambellan, Anna-Maria De Jesus, Thomas Gille, Catherine Tardif, Agnes-Francoise Pradel, Christian Straus, Luc Thiberville, Alain Didier
PA2778	**Educational information events to enhance recruitment to clinical research trials** Will Storrar (Winchester, United Kingdom), Will Storrar, Claire Roberts, Samal Gunatilake, Thomas Jones, Thomas Brown, Anoop Chauhan
PA2779	**New oral anticoagulants (NOACs) vs. warfarin: Are doctors ready to switch?** Manish Gautam (Liverpool, United Kingdom), Mahin Ahmed, Manish Gautam
PA2780	**Bronchoscopy for anesthesiologists and intensivists: Two years experience with the educational workshops in the Czech Republic** Hana Bartáková (Prague, Czech Republic), H. Bartakova, M. Otahal, V. Baca, M. Balik, J. Votruba
PA2781	**RespiraNet Program: The first tele-spirometry service in South Brazil** Maria Angela Fontoura Moreira (Porto Alegre, Brazil), Maria ângela Moreira, Igor Gorski Benedetto, Betina Charvet Machado, Marcelo Gonçalves, Luana Schneider, Sabrina Gadenz, Erno Harzheim

PA2782 **Completion rates of an online COPD educational resource for nurses**
Monica Fletcher (Warwick, United Kingdom), Monica Fletcher, Chris Loveridge, Birthe Hellqvist Dahl, Gurpreet Randhawa, Nicholas Blackwell

PA2783 **Trainee feedback of a simulation of an acutely ill patient**
Monique Camilleri (Msida, Malta), Monique Camilleri, Russel Tilney, Gabriella Balzan, Michael Pace Bardon, Josef Micallef, Martin Balzan

PA2784 **How confident are medical registrars in performing respiratory orientated procedural skills?**
Andrew Scott (Galway, Ireland), Andrew Scott, Dara Byrne, John Garvey, Anthony O'Regan

PA2785 **The uptake of technology and the SENSOR study**
Claire Roberts (Southampton, United Kingdom), Anoop Chauhan, Kevin Auton, Ann Dewey, Scott Elliott, Carole Fogg, Sharon Glaysher, Ben Green, Samal Gunatilake, Thomas Jones, Claire Roberts, Stephen Rule, William Storrar

PA2786 **Can recursive partitioning empirically derive a pulmonary function test interpretive algorithm**
Denitza Blagev (Salt Lake City, United States of America), Dave Collingridge, Olinto Linares-Perdomo, Matthew Hegewald, Denitza Blagev

PA2787 **AsthmaLife portal: Supporting clinical care and research at the point of care**
Ann Taite (Kingston, Canada), Ann Taite, Janice Minard, Madonna Ferrone, Chris Licskai, Teresa To, M. Diane Lougheed

PA2788 **Adherence to online selfmanagement in patients with COPD or asthma: The role of disease burden**
Johannes in 't Veen (Bergschenhoek, Netherlands), Johannes In 't Veen, Bianka Mennema, Anne-Lin Beekhof, Esther Van Noort, Niels Chavannes

PA2789 **Development and pilot testing of smartphone based self-management application for adult asthma**
Jin Han Park (Busan, Republic of Korea), Jin Han Park, Chan Sun Park, Hang Jea Jang

PA2790 **Preliminary results of a telemonitoring study: COPD and heart failure patients exhibit great difference in their need of health care**
Leili Lind (Linköping, Sweden), Leili Lind, Gunnar Carlgren, Jacqueline Mudra, Henrik Synnergren, Niclas Hilding, Daniel Karlsson, Ann-Britt Wiréhn, Hans Lennart Persson

Hall 14-36 Session 284 12:50 - 14:40

Thematic poster: Physiotherapy assessment and techniques in pulmonary and non-pulmonary conditions

Chairs : Margareta Emtner (Uppsala, Sweden), Linzy Houchen-Wolloff (Oakham, United Kingdom), Celso Carvalho (Sao Paulo, Brazil), Carlos Augusto Camillo (Leuven, Belgium)

PA2791 **COPD assessment test (CAT): Validity and reproducibility in patients with non-cystic fibrosis bronchiectasis**
Rejane Agnelo Silva de Castro (São Paulo, Brazil), Rejane Agnelo Silva de Castro, Drielly Jesica Milani Zanatta, Samia Zahi Rached, Rodrigo Abensur Athanazio, Anderson Alves de Camargo, Alberto Cukier, Rafael Stelmach, Simone Dal Corso, Fernanda De Cordoba Lanza

PA2792 **Is there a correlation between inflammatory status and exercise capacity in patients with bronchiectasis? Preliminary results**
Anderson Alves de Camargo (São Paulo, Brazil), Anderson Alves de Camargo, Cristiane Helga Yamane de Oliveira, Rodrigo Abensur Athanazio, Samia Zahi Rached, Rodolfo De Paula Vieira, Alberto Cukier, Rafael Stelmach, Simone Dal Corso

PA2793 **Physiotherapy adherence and perception in patients with cystic fibrosis: A descriptive study**
Maria dels Angels Cebria i Iranzo (Valencia, Spain), Maria àngels Cebrià i Iranzo, Tamara Del Corral Núñez-Flores, Nuria Cañas, Mª Teresa Martínez, Candida Froilán, Jordi Vilaró-Casamitjana

PA2794 **Effects of bariatric surgery on physical activity in daily life in women**
Carrie Galvan (RoLandia, Brazil), Carrie C.R. Galvan, Andrea A. Morita, Aline G. Nellessen, Andreia C.T. Costa, Naiara M. Garcia, Valéria A. Tolla, Antonio C. Valezi, Décio S. Barbosa, Fabio Pitta

PA2795 **Do preoperative pulmonary functions determine cough effectiveness early after laparoscopic bariatric surgery?**
Ersin Avci (Izmir, Turkey), Meric Yildirim, Seher özyürek, Ersin Avci, Didem Karadibak, Serhan Derici

PA2796 **Movement-evoked pain and fear of dehiscence but not rest pain are related with cough strength after open abdominal surgery**
Ismail Ozsoy (Izmir, Turkey), Seher özyürek, Meric Yildirim, Ismail özsoy, Ersin Avci, Didem Karadibak

PA2797 **Relationship between physical function ICU test (PFIT) and functional tests in early period after open abdominal surgery**
Ersin Avci (Izmir, Turkey), Ersin Avci, Didem Karadibak, Sema Savci, Hülya Arikan, Z. Serhan Derici, Tufan Egeli

PA2798	**Comparison of pain, respiratory muscle strength and functional tests in early period after upper and lower abdominal surgery** Ersin Avci (Izmir, Turkey), Ersin Avci, Didem Karadibak, Sema Savci, Hülya Arikan, Z. Serhan Derici, Tufan Egeli
PA2799	**Changes in the physical functions and health-related quality of life of elderly patients with lung cancer undergoing video-assisted thoracoscopic surgery** Kunihiko Anami (Kyoto, Japan), Kunihiko Anami, Yoshiyasu Hirayama, Naoki Yamashita, Jun Horie, Kenichi Ito
PA2800	**Relationships between orthostatic hypotension and cardiovascular responses to postoperative early mobilization** Masatoshi Hanada (nagasaki, Japan), Masatoshi Hanada, Ryo Kozu, Yuichi Tawara, Naoki Mio, Masato Oikawa, Yosuke Morimoto, Yudai Yano, Hideaki Senjyu
PA2801	**Comparison of fatigue and Sp02 during shuttle walking test in patients with burn** Özden Özkal (Ankara, Turkey), özden özkal, Saadet Ufuk Yurdalan, Mine Seyyah, Ahmet Hakan Acar, Emre Isçi
PA2802	**Mucopolysaccharidosis type VI: Assessment of functionality, functional capacity and respiratory muscle strength** Paulo Magalhães (Santa Cruz, Brazil), Paulo Magalhães, Bárbara Silva, Lívia Andrade, Maria do Carmo Duarte
PA2803	**An exploratory pilot study investigating the effects of oscillations during MI-E for patients with moderate-severe bulbar impairment** Rachael Moses (North Shields, United Kingdom), Rachael Moses
PA2804	**Investigation of balance deficits in patients with pulmonary arterial hypertension: Preliminary study** Buse Özcan (Izmir, Turkey), Buse Ozcan, Serap Acar, Ismail Ozsoy, Sema Savci, Ebru Ozpelit, Can Sevinc, Bahri Akdeniz
PA2805	**Factors influence the physical activity in patients with pulmonary arterial hypertension** Buse Özcan (Izmir, Turkey), Serap Acar, Sema Savci, Buse Ozcan, Ismail Ozsoy, Ebru Ozpelit, Bahri Akdeniz, Can Sevinc
PA2806	**The use of oxygen prescription wristbands significantly improves patient safety on an acute respiratory ward** Paul MacDonald (Woking, United Kingdom), Paul MacDonald, Catherine Prodger, Kirsten Thompson, Agnieszka Lewko, Stephanie Harlow, Melanie Irvin-Sellers
PA2807	**Human activity profile evaluates functional performance in patients with heart failure?** Giane Ribeiro-Samora (Belo Horizonte, Brazil), Giane Ribeiro-Samora, Mariana Hoffman Barbosa, Dayane Montemezzo, Maria Clara Noman Alencar, Danielle Gomes Pereira, Raquel Rodrigues Britto, Verônica Franco Parreira
PA2808	**Can diaphragmatic breathing modify chest wall volumes during inspiratory loaded in patients with heart failure?** Susan Lage (Belo Horizonte, Brazil), Susan Lage, Mariana Myrrha, Daniella Brandão, Mariana Barbosa, Danielle Pereira, Armele Dornelas de Andrade, Verônica Parreira, Raquel Britto
PA2809	**Paediatric paradoxical vocal cord dysfunction: Diagnosis and treatment in a multidisciplinary clinic** Nicki Barker (Sheffield, United Kingdom), Nicki Barker, Ravi Thevasagayam, Kelechi Ugonna, Laurie Smith

Room Elicium 2 Session 285 13:00 - 14:30

Lunchtime session: Asthma: emerging risk factors and current management of the patient

Joint ERS/Lancet session

Aims : To learn about the latest treatments, clinical developments and thinking in the areas of asthma risk, management and treatment.

Tag(s) : Clinical

Target audience : The session will be most relevant for practicing clinicians, including respiratory physicians and paediatricians, but it will also be relevant for epidemiologists and translational scientists.

Chairs : Maria Gabriela Belvisi (London, United Kingdom), Ian Douglas Pavord (Oxford, United Kingdom)

13:00	**Known and emerging risk factors for asthma development: is prevention possible?** Richard Beasley (Wellington, New Zealand)	**2810**
13:20	**Targeting the interleukin pathway in the treatment of asthma** Kian Fan Chung (London, United Kingdom)	**2811**
13:40	**Novel insights into the genetics of smoking behaviour, lung function and chronic obstructive pulmonary disease in UK Biobank** Ian P. Hall (Nottingham, United Kingdom)	**2812**
14:00	**Efficacy and safety of tralokinumab in patients with severe uncontrolled asthma: a randomised, double-blind, placebo controlled, phase 2b trial** Christopher E. Brightling (Leicester, United Kingdom)	**2813**

Room 4.2 Session 286 13:00 - 14:30

Lunchtime session: Development and application of new approaches for respiratory disease research

Increasing the toolkit

Aims : Participants will develop a greater appreciation of the different technological approaches that are available to the respiratory research community and the rationales behind their use. How these approaches can be applied and integrated to improve understanding of respiratory health, disease and drug development will also be discussed. Participants will also benefit from the chance to meet scientists from diverse backgrounds, which could yield new collaborations wherein they can put into practice what they have learnt from the session.

Tag(s) : Translational

Target audience : Academic researchers of any position (i.e., PhD students, post-doctoral scientists, PIs) from different respiratory disciplines, clinicians, pharmaceutical industry scientists/study directors, technology developers, regulators and funders.

Chairs : Philippe Bonniaud (Dijon, France), Anthony Holmes (St Neots, United Kingdom), Iain Kilty (Cambridge, United States of America)

13:00	**Optimising disease models for lung diseases and drug development** Martin Kolb (Hamilton, Canada)	**2814**
13:15	**Use of multiple species for assessing developmental and reproductive toxicity** Speaker to be confirmed	**2815**
13:30	**Computationally modelling the human lung** Merryn Tawhai (Auckland, New Zealand)	**2816**
13:45	**We train rats to save lives** Christiaan Mulder (The Hague, Netherlands)	**2817**
14:05	**Panel discussion**	**2818**

Room 5.2 Session 287 13:00 - 14:30

Lunchtime session: Structure-function relationships in the small airways

AirPROM EU project

Aims : To describe consortium-based approaches to evaluating complex respiratory problems – the sociology of collaboration will also be discussed; to describe the difficulties associated with seeing, measuring, and understanding the processes in the small airways that operate at small-length scales in diseases such as asthma and COPD; to discuss how imaging approaches such as functional hyperpolarised 3He/129Xe imaging can provide new insights into the microstructure of the small airways in asthma and COPD; and to discuss how all of these approaches are being used to develop the first digital models of the small airways.

Tag(s) : Translational

Target audience : Clinicians, researchers and industry representatives.

Chairs : Dirkje S. Postma (Groningen, Netherlands), Scott. S Wagers (Maasmechelen, Belgium)

13:00	**What can consortia bring to the small airway problems?** Christopher E. Brightling (Leicester, United Kingdom)	**2819**
13:22	**Imaging small airways: why can imaging help us understand the small airways?** J.M. Wild (Sheffield, United Kingdom)	**2820**
13:45	**What can computer simulations offer in terms of solving the small airway problems?** Rafel Bordas (Oxford, United Kingdom)	**2821**
14:07	**Putting together the puzzle of structure and function in the small airways for the benefit of patients** Salman Siddiqui (Leicester, United Kingdom)	**2822**

Room Forum Session 288 13:00 - 14:15

Assembly members' meeting: Assembly 1 Clinical

Chairs : Enrico Maria Clini (Pavullo, Italy), Felix J.F. Herth (Heidelberg, Germany)

Room 5.1 Session 289 13:00 - 14:15

Assembly members' meeting: Assembly 7 Paediatrics

Chairs : Fabio Midulla (Rome, Italy)

Room 13.1 Session 290 13:00 - 14:15

Assembly members' meeting: Assembly 9 Allied respiratory professionals

Chairs : Thierry Troosters (Leuven, Belgium), Irene Steenbruggen (Zwolle, Netherlands)

Room 2.1 Session 291 13:00 - 14:15

Assembly members' meeting: Assembly 3 Cell and molecular biology

Chairs : Christian M. Kaehler (Innsbruck, Austria)

Room 4.1 Session 292 13:00 - 14:15

Assembly members' meeting: Assembly 6 Occupation and epidemiology

Chairs : Dirk Heederik (Utrecht, Netherlands), Christer Janson (Uppsala, Sweden)

Room Emerald Session 293 13:00 - 14:15

Assembly members' meeting: Assembly 5 Airway diseases

Chairs : Ian M. Adcock (London, United Kingdom), Antonio Spanevello (Tradate, Italy)

13:15-14:30
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Room 7.1 Session 307 14:45 - 16:45

Grand round: Asthma and smoking: dangerous liaisons - an interactive session and Ceremony for the ERS Romain Pauwels Research Award

Aims : To provide an update on the effects of smoking on asthma outcomes; review the effects of maternal and passive smoking on childhood asthma; educate the audience with regard to smoking cessation; reinforce the smoking ban in public spaces; and describe the mechanisms underlying the increase in asthma severity due to smoking.

Track(s) : Epidemiology/Environment

Target audience : This grand round is suitable for a broad range of health professionals, including clinicians and scientists. Clinicians who face difficulties in managing asthma that may be induced by cigarette smoking would benefit in particular, along with clinicians with patients who develop asthma attacks that are provoked by passive smoking; of the latter group, paediatricians who deal with second-hand smoke-exposed children may be especially interested in this grand round.

Chairs : Irene Heijink (Groningen, Netherlands), Neil Thomson (Glasgow, United Kingdom)

14:45	**Ceremony for the ERS Romain Pauwels Research Award** Guy Brusselle (Ghent, Belgium), Sejal Saglani (London, United Kingdom)	**2874**
14:55	**My mother smoked when she was pregnant: why is my asthma bad?** Angela Zacharasiewicz (Vienna, Austria)	**2875**
15:22	**Smoking in the asthmatic adult: making things worse** Peter J. Barnes (London, United Kingdom)	**2876**
15:49	**The 40-year-old asthmatic who cannot quit smoking** Paraskevi Katsaounou (Athens, Greece)	**2877**
16:16	**Treating smoking asthmatics** Guy Brusselle (Ghent, Belgium)	**2878**

Room Auditorium Session 308 14:45 - 16:45

Symposium: Bronchiectasis in Europe: an update from the European Bronchiectasis Network (EMBARC)

Aims : To review the results of the latest bronchiectasis clinical trials, compare the pros and cons of oral and inhaled antibiotic therapies in bronchiectasis, describe the emerging scientific techniques that are used to study the airway microbiome and monitor airway inflammation in bronchiectasis, review the evidence for physiotherapy management and emerging airway clearance devices and therapies and describe the activities of the European bronchiectasis network and the opportunities to participate.

Track(s) : Infection

Target audience : This session will be of interest to clinicians, microbiologists, physiotherapists, specialist nurses, and scientists who are interested in non-cystic fibrosis bronchiectasis.

Chairs : Pieter Goeminne (Bornem, Belgium), Tobias Welte (Hannover, Germany)

14:45	**Understanding the heterogeneity of the disease** Stefano Aliberti (Milan, Italy)	**2879**
15:15	**Oral vs. inhaled antibiotic therapy** Stuart Elborn (Belfast, United Kingdom)	**2880**
15:45	**Airway clearance techniques in bronchiectasis** Eva Polverino (Barcelona, Spain)	**2881**
16:15	**The management of non-CF bronchiectasis in Europe: data from the European Bronchiectasis Network** James D. Chalmers (Perth, United Kingdom)	**2882**

Room 7.2 Session 309 14:45 - 16:45

Symposium: Challenges in non-invasive ventilation (NIV)

How it can be improved and what to do next

Aims : To describe the causes of NIV failure and how to manage them, detail novel strategies and technologies (ECCO2R, high flow O2) that can be used to deal with NIV failure and present an update on the management of long-term NIV in the paediatric patient.

Track(s) : Intensive care

Target audience : Pulmonologists, intensivists, respiratory therapists, and nurses.

Chairs : Begüm Ergan (Izmir, Turkey), Raffaele Scala (Arezzo, Italy)

14:45	**When I understand NIV is failing** Arnaud W. Thille (Poitiers, France)	**2883**
15:15	**Prevention of intubation after NIV failure with extracorporeal CO2 removal** Stefano Nava (Bologna, Italy)	**2884**
15:45	**Prevention of re-intubation** Paolo Navalesi (Vercelli, Italy)	**2885**
16:15	**How children cope with prolonged home NIV** Brigitte Fauroux (Paris, France)	**2886**

Room Elicium 2 Session 310 14:45 - 16:45

Symposium: Cough: a major problem in lung disease

Aims : To show the evidence for the clinical burden of cough and how understanding the potential mechanisms may lead to new and effective treatments. At the end of this session, the audience will know how to diagnose chronic cough in lung disease; appreciate the clinical burden of chronic cough in lung disease; understand the current concepts regarding the causes of chronic cough; be aware of the advances in our understanding of the role of nerves in the cough reflex and how this may lead to new drugs; and have insight into the potential novel therapies and their impact on the clinical burden.

Tag(s) : Translational

Target audience : Pulmonologists, emergency medicine doctors, respiratory physicians, clinical researchers, general practitioners, research fellows, basic scientists, intensivists, nurses, pathologists, and trainees.

Chairs : Kian Fan Chung (London, United Kingdom), András Bikov (Budapest, Hungary)

14:45	**The diagnosis and clinical burden of chronic cough** Akio Niimi (Nagoya, Japan)	**2887**
15:15	**Mechanisms of cough** Jaclyn Smith (Manchester, United Kingdom)	**2888**
15:45	**Sensory nerves and the brain in cough** Bradley J. Undem (Baltimore, United States of America)	**2889**
16:15	**Future clinical perspectives** Lorcan McGarvey (Belfast, United Kingdom)	**2890**

Room 4.2 Session 311 14:45 - 16:45

Symposium: Update on respiratory sounds

Physiology and pathophysiology of respiratory sounds

Aims : This session will present the results from the ERS Task Force on respiratory sounds. The aims of this session are to: describe the physiology and pathophysiology of respiratory sounds; review the current recommendations regarding lung sound nomenclature; examine the challenges that hamper the achievement of observer agreement on lung sounds; and describe the options for objective acoustical analysis of lung sounds.

Track(s) : Physiology Paediatric

Tag(s) : Clinical

Target audience : Clinicians, respiratory specialists and all health professionals who use lung auscultation in their practice.

Chairs : Kostas Priftis (Haidari, Athens, Greece), Luis Garcia-Marcos Alvarez (El Palmar (Murcia), Spain)

14:45	**Rales and rhonchi: still acceptable in 2015?** Paul L. P. Brand (Zwolle, Netherlands)	**2891**
15:15	**Potential and limitations of respiratory acoustical analyses** Hans Pasterkamp (Victoria, Canada)	**2892**
15:45	**Agreeable and contentious respiratory sounds** Hasse Melbye (Tromsø, Norway)	**2893**
16:15	**Physiology and clinical relevance of lung sounds** Paivi Piirila (Helsinki, Finland)	**2894**

Room 5.2 Session 312 14:45 - 16:45

Symposium: How to treat brain metastases

Aims : To raise awareness among practicing physicians about the therapeutic options for patients with brain metastases. These options go beyond simple cerebral radiation therapy and chemotherapy. The session will provide an overview of the diagnosis and treatment options for brain metastases in lung cancer patients. The strategies for implementing these options in practice will be described from the perspective of the radiologist, the radiation oncologist, and the surgeon.

Track(s) : Oncology

Tag(s) : Clinical

Target audience : Clinicians, surgeons, radiation oncologists, clinical pathologists, palliative care specialists, and nurses.

Chairs : Jacques Cadranel (Paris, France), Paul Martin Putora (St. Gallen, Switzerland)

14:45	**New modalities for encephalic irradiation** Vincent Remouchamps (Namur, Belgium)	**2895**
15:15	**How to prevent and treat brain metastasis in small cell lung carcinoma** Delphine Antoni (Strasbourg, France)	**2896**
15:45	**How to treat a T1-T3N0 non-small cell lung cancer (NSCLC) with isolated brain metastasis** Paul E. Van Schil (Edegem (Antwerp), Belgium)	**2897**
16:15	**How to treat brain metastasis in patients with non-small cell lung carcinoma (NSCLC) and EGFR mutations** Anne-Marie Ruppert (Paris, France)	**2898**

Room Elicium 1 Session 313 14:45 - 16:45

Symposium: Pulmonary hypertension

Update from the 2015 ESC/ERS guidelines

Aims : To provide a complete update of the new guidelines in pulmonary hypertension, including the underlying evidence.

Tag(s) : Clinical

Target audience : Clinicians, fellows and scientists.

Chairs : Marc Humbert (Paris, France), Anton Vonk Noordegraaf (Amsterdam, Netherlands)

14:45	**Diagnosing pulmonary hypertension** Adam Torbicki (Warsaw, Poland)	**2899**
15:15	**Treatment of pulmonary hypertension** Nazzareno Galiè (Bologna, Italy)	**2900**
15:45	**Pulmonary hypertension in left heart, respiratory and trombo-embolic pulmonary disease** Marius M. Hoeper (Hannover, Germany)	**2901**

16:15	**Remaining gaps in our knowledge** Gérald Simonneau (Le Kremlin-Bicêtre, France)	**2902**

Room Forum Session 314 14:45 - 16:45

Oral presentation: Clinical problems in acute and chronic lung diseases

Chairs : Mohankumar Thekkinkattil (Coimbatore, India), Vincent Cottin (Lyon, France)

OA2903	**Infliximab in patients with refractory sarcoidosis: Trough concentrations of infiximab** Heleen Crommelin (Nieuwegein, Netherlands), Heleen Crommelin, Adriane Vorselaars, Coline Van Moorsel, Vera Deneer, Jan Grutters
OA2904	**Hemoptysis in adults: A 5-year study using the French nationwide hospital administrative database** Philippe Bonniaud (Dijon, France), Caroline Abdulmalak, Guillaume Beltramo, Marjolaine Georges, Jonathan Cottenet, Catherine Quantin, Philippe Camus, Philippe Bonniaud
OA2905	**Thoracic malignancies and pulmonary nodules in patients under evaluation for transcatheter aortic valve implantation (TAVI): Incidence, follow up and possible impact on treatment decision** Lars Schmidt (Münster, Germany), Benedikt Vietmeier, Sebastian Bröckling, Gerrit Kaleschke, Dennis Görlich, Christian Schülke, Michael Thrull, Helmut Baumgartner, Wolfgang E. Berdel, Rainer Wiewrodt, Michael Mohr, Lars Henning Schmidt
OA2906	**Diagnostic latency and pulmonary morbidity in adult patients with primary immunodeficiency (PID): A single center experience** Michael Mohr (Laer, Germany), Michael Thrull, Sebastian Bröckling, Christoph Schliemann, Thorsten Kessler, Bennedikt Vietmeier, Christoph Schülke, Helmut Wittkowski, Wolfgang E. Berdel, Rainer Wiewrodt, Lars-Henning Schmidt, Michael Mohr
OA2907	**Respiratory manifestations in hospitalized patients with hematological malignancies** Yu Mikami (Tokyo, Japan), Yu Mikami, Daiya Takai, Masafumi Horie, Satoshi Noguchi, Hirotaka Matsuzaki, Kosuke Makita, Hideyuki Takeshima, Yasuhiro Yamauchi, Go Tanaka, Takahide Nagase
OA2908	**Lung function in long-term adult survivors of childhood acute lymphoblastic leukemia** Ole Myrdal (Oslo, Norway), Ole Myrdal, Adriani Kanellopoulos, Jon Runar Christiansen, Ellen Ruud, May-Brit Lund
OA2909	**Alexithymia in COPD patients** Branislava Milenkovi (Beograd, Republic of Serbia), Branislava Milenkovic, Milan Latas, Jelena Cvejic, Jelena Jankovic

Room 5.1 Session 315 14:45 - 16:45

Oral presentation: Novel occupational exposures and responses

Chairs : David Miedinger (Lucerne, Switzerland), Nicola Murgia (Perugia, Italy)

OA2910	**LATE-BREAKING ABSTRACT: Meta-analysis of the risk of acute mountain sickness from cigarette smoking** Denis Vinnikov (Almaty, Kazakhstan), Denis Vinnikov, Paul Blanc, Nurlan Brimkulov, Craig Steinmaus
OA2911	**Metalworking fluid-associated respiratory morbidity in a production facility with a cluster of lymphocytic bronchiolitis** Kristin Cummings (Morgantown, United States of America), Kristin Cummings, Marcia Stanton, Randy Boylstein, Ju-Hyeong Park, Kathleen Kreiss
OA2912	**Risk of exacerbations in COPD and asthma patients living in the neighbourhood of livestock farms** Christel van Dijk (Utrecht, Netherlands), Christel Van Dijk, Judith Garcia-Aymerich, Anne-Elie Carsin, Lidwien Smit, Floor Borlée, Dick Heederik, Gé Donker, Joris Yzermans, Jan-Paul Zock
OA2913	**Molecular and immunological characterization of wheat allergens responsible for Baker's asthma** Cordula Bittner (Hamburg, Germany), Cordula Bittner, Karsten Frenzel, Horst Muesken, Ulrike Peters, Reinhold Brettschneider
OA2914	**Inflammation in induced sputum after aluminum oxide exposure - An experimental chamber study** Liv Ingunn Bjoner Sikkeland (Oslo, Norway), Liv Ingunn Sikkeland, Neil Alexis, Rebecca Fry, Per Søstrand, Tor Erik Danielsen, Johny Kongerud
OA2915	**Exposure associated respiratory impairments among Indian tea industry workers** Subhabrata Moitra (Krishnagar, Nadia, India), Subhabrata Moitra, Saibal Moitra, Prasanta Das, Punam Thapa, Sukumar Debnath, Jayati Das, Swapna Chaudhuri
OA2916	**Comparison of oxygen uptake and heart rate to assess the physical strain of garbage collectors** Alexandra Preisser (Hamburg, Germany), Alexandra Marita Preisser, Linfei Zhou, Marcial Velasco Garrido, Volker Harth

OA2917 **Surveillance in talc exposed workers in a chocolate products plant**
Jos M. Rooijackers (Beuningen, Netherlands), Esther Van Harlingen, Jos Rooijackers, Remko Houba, Ad Vorselaars, Melanie Dubbers, Jan Grutters, Dick Heederik

Room 13.1 Session 316 14:45 - 16:45

Oral presentation: Monitoring and phenotyping COPD

Chairs : Anneke ten Brinke (Molenend, Netherlands), Jose Luis Lopez-Campos Bodineau (Sevilla, Spain)

OA2918 **Circulating vasoactive intestinal peptide for diagnosis of exacerbation of COPD**
Jyotshna Mandal (Basel, Switzerland), Jyotshna Mandal, Michael Roth, Luigi Costa, Lucas Boeck, Eleni Papakonstantinou, Michael Tamm, Daiana Stolz

OA2919 **Expression of matrix metalloproteinases in bronchoalveolar cells in COPD and in COPD phenotypes**
Jaromir Zatloukal (Olomouc, Czech Republic), Jaromir Zatloukal, Zdenka Navratilova, Eva Kriegova, Vladimir Koblizek, Vitezslav Kolek, Martin Petrek

OA2920 **Malondialdehyde level in chronic obstructive pulmonary disease exacerbations**
Natalja Voskresenska (Riga, Latvia), Natalja Voskresenska, Julija Voicehovska, Aleksandra Vojcehovska, Grigorijs Orlikovs, Andrejs Skesters

OA2921 **Mannose binding lectin - HYPD allele is associated with frequent exacerbation in COPD patients**
Bijaya Malla (Basel, Switzerland), Bijaya Malla, Jyotshna Mandal, Luigi Costa, Rudi Steffensen, Adrian Egli, Tobias Welte, Antoni Torres, Renaud Louis, Wim Boersma, Branislava Milenkovic, Kostantinos Kostikas, Francesco Blasi, Joachim Aerts, Gernot Rohde, Alicia Lacoma, Lucas Boeck, Janko Rakic, Andreas Scherr, Michael Tamm, Michael Roth, Daiana Stolz

OA2922 **Phenotyping of COPD by integrated metabolomic profiling of exhaled breath condensate and peripheral blood**
Alan Altraja (Tartu, Estonia), Alan Altraja, Argo Aug, Kalle Kilk, Riina Mahlapuu, Siiri Altraja, Ursel Soomets

OA2923 **2011 GOLD categories may identify different copd phenotypes**
M. L. E. Bartoli (Pisa, Italy), Maria Laura Bartoli, Dario Nieri, Sandra Antonelli, Francesco Costa, Gianna Decusatis, Claudia De Simone, Laura Malagrinò, Sabrina Santerini, Barbara Vagaggini, Pierluigi Paggiaro

OA2924 **A search for covert precipitating clinical parameters in frequent exacerbators of COPD**
Ankit BHATIA (lucknow, India), Ankit Bhatia, Surya Kant, Ajay Verma, Prakash Ved, Jain Amita

OA2925 **Phenotypical heterogeneity of severe COPD subjects: Baseline results from the Czech multicentre research database of COPD**
Vladimír Koblížek (Hradec Kralove, Czech Republic), Vladimir Koblizek, Marek Plutinsky, Jaromir Zatloukal, Patrice Popelkova, Tomas Dvorak, Petr Safranek, Ondrej Sobotik, Alena Vlachova, Petr Vanik, Zuzana Liptakova, Lucie Heribanova, Blanka Snelerova, Pavlina Musilova, Maria Majerciakova, Tomas Vencalek, Eva Kocova, Barbora Novotna, Michal Kopecky, Ondrej Kudela, Katerina Neumannova, Kristian Brat, Eva Volakova, Karel Hejduk, Jan Svancara, Jiri Jarkovsky, Michal Svoboda, Zuzana Zbozinkova

Room 2.1 Session 317 14:45 - 16:45

Oral presentation: Latest news on miRNAs in pulmonary research

Chairs : Marcin Skrzypski (Sopot, Poland), Joanna Chorostowska-Wynimko (Warsaw, Poland)

OA2926 **Differential microRNA expression in plasma of patients with pulmonary tuberculosis**
Simone Barry (Bondi Beach, Australia), Simone Barry, Magda Ellis, YuRong Yang, Guangyu Guan, Xiaolin Wang, Warwick Britton, Bernadette Saunders

OA2927 **MiR-320d: A novel anti-inflammatory miRNA up regulated by corticosteroids**
Alen Faiz (Groningen, Netherlands), Alen Faiz, Malte Borggrewe, Dirkje Postma, Katrina Steiling, Avrum Spira, Marc Lenburg, Marnix Jonker, Gerard Koppelman, Pieter Hiemstra, Peter Sterk, Wim Timens, Corry-Anke Brandsma, Maarten Van den Berge, Irene Heijink

OA2928 **Biological role of prognostic microRNAs (miRNAs) in squamous lung carcinoma (SCC) cells**
Martyna Filipska (Gda sk, Poland), Martyna Filipska, Marcin Skrzypski, Jacek Bigda

OA2929 **Overexpression of miR-21 in non-small cell lung cancer, positive for Merkel cell polyoma virus (CPyV)**
Ismini Lasithiotaki (Samos, Greece), Ismini Lasithiotaki, Eliza Tsitoura, Anastasios Koutsopoulos, Eleni Lagoudaki, Demetrios Spandidos, Nikolaos Siafakas, Giorgos Sourvinos, Katerina Antoniou

OA2930 **Role of exosomal microRNA in driving skeletal muscle wasting in COPD**
Hannah Burke (Southampton, United Kingdom), Hannah Burke, C. Mirella Spalluto, Doriana Cellura, Karl J. Staples, Tom M.A. Wilkinson

OA2931	**microRNA-223 suppresses histone deacetylase 2 in chronic obstructive pulmonary disease** Caroline Leuenberger (Zurich, Switzerland), Caroline Leuenberger, Claudio Schuoler, Célia Mignan, Thomas Rechsteiner, Malcolm Kohler, Lars Huber, Matthias Brock
OA2932	**Global miRNA expression in Treg cells from patients with pulmonary sarcoidosis indicates for targeting of MAPK and FOXO signaling pathways** Neli Kachamakova-Trojanowska (Krakow, Poland), Neli Kachamakova-Trojanowska, Lukasz Kasper, Agnieszka Jazwa, Alicja Jozkowicz, Marek Sanak, Jozef Dulak, Krzysztof Sladek
OA2933	**Toll like receptor 4 activation upregulates miR-181b attenuating pulmonary fibrosis via targeting TGFBR1** Dan Li (Changchun, China), Lei Song, Dan Li

Room 4.1 Session 318 14:45 - 16:45

Oral presentation: New observations in respiratory epidemiology

Chairs : Giovanni Viegi (Pisa, Italy), Ane Johannessen (Bergen, Norway)

OA2934	**LATE-BREAKING ABSTRACT: Blood eosinophils and exacerbations in chronic obstructive pulmonary disease: The copenhagen general population study** Signe Vedel Krogh (Herlev, Denmark), Signe Vedel-Krogh, Sune F. Nielsen, Peter Lange, Jørgen Vestbo, Børge G. Nordestgard
OA2935	**Linking respiratory and vascular health in Swiss adolescents** Julia Dratva (Basel, Switzerland), Julia Dratva, Seraina Caviezel, Emmanuel Schaffner, Robert Bettschart, Nino Künzli, Arno Schmidt-Trucksaess, Daiana Stolz, Elisabeth Zemp, Nicole Probst-Hensch
OA2936	**Venous thromboembolic (VTE) disease in people with chronic obstructive pulmonary disease (COPD): A matched case-control study** Ann Morgan (Market Harborough, United Kingdom), Ann Morgan, Emily Herriett, Liam Smeeth, Bianca DeStavola, Jennifer Quint
OA2937	**Validation of the conceptual model for the dyspnoea-inactivity spiral in patients with COPD** Maria Antonia Ramon (Barcelona, Spain), Maria A. Ramon, Anne E. Carsin, Elena Gimeno-Santos, Esther Rodríguez, Jaume Ferrer, Judith Garcia-Aymerich
OA2938	**Common airway variants and chronic obstructive pulmonary disease** Benjamin Smith (New York, United States of America), Benjamin Smith, Eric Hoffman, Shinjiro Myawaki, John Austin, Kristin Burkhart, Wellington Cardoso, Nadia Hansel, David Jacobs, Joel Kaufman, Ching-Long Lin, Kiang Liu, Dan Rabinowitz, Stephen Rich, Karol Watson, R. Graham Barr
OA2939	**Prospective cohort study of cured meat intake and asthma symptom score in the EGEA study** Zhen LI (Villejuif, France), Zhen Li, Marta Rava, Annabelle Bédard, Judith Garcia-Aymerich, Bénédicte Leynaert, Christophe Pison, Nicole Le Moual, Isabelle Romieu, Valérie Siroux, Carlos A. Camargo, Rachel Nadif, Raphaëlle Varraso
OA2940	**Prospective study of menopause and adult-onset asthma: The E3N French cohort** Matulonga Bobette (Paris, France), Bobette Matulonga, Dominique Courbon, Agnès Forrnier, Annabelle Bédard, Sylvie Mesrine, Margaux Sanchez, Gabriel Thabut, Françoise Clavel, Raphaëlle Varraso, Bénédicte Leynaert
OA2941	**Change in prevalence of IgE sensitization over 20 years in the European community respiratory health survey cohort** Andre Amaral (London, United Kingdom), Andre F.S. Amaral, Roger B. Newson, Josep M. Antó, Isa Cerveri, Thorarin Gislason, Joachim Heinrich, Christer Janson, Nino Kunzli, Benedicte Leynaert, Roberto De Marco, Nicole Probst-Hensch, Cecilie Svanes, Kjell Toren, Serge A. Versteeg, Joost Weyler, Jan-Paul Zock, Peter Burney, Deborah L. Jarvis, On Behalf of ECRHS III Partners

Room Emerald Session 319 14:45 - 16:45

Oral presentation: Functional imaging approaches for evaluating alteration of lung, airways and respiratory muscles

Chairs : Raffaele Dellaca (Milan, Italy), Bruno Degano (Besançon, France)

OA2942	**Pulmonary consequences of ambient nanoparticles in rats** Gergely H. Fodor (Szeged, Hungary), Gergely H. Fodor, Fruzsina Kun-Szabo, Laszlo Tiszlavicz, Orsolya Ivankovitsne Kiss, Jozsef Tolnai, Agnes Filep, Ferenc Petak
OA2943	**Using nanoparticles to detect emphysema** Laura Aaltonen (Malmo, Sweden), Hanni Laura Aaltonen, Jonas Jakobsson, Sandra Diaz, Eeva Piitulainen, Jakob Löndahl, Per Wollmer

OA2944 **Establishing clinically meaningful cutoffs for %emphysema and %gas trapping in quantitative chest CT scans**
Richard Casaburi (Rancho Palos Verdes, United States of America), Richard Casaburi, Asli Gorek Dilektasli, Janos Porszasz, William W. Stringer, Surya Bhatt, George Washko, Peter Castaldi, Raul San Jose Estepar, James E. Hansen, For the COPDGene® Investigators

OA2945 **Assessment of lung microstructure in ILD with ^{3}He and ^{129}Xe MRI**
Neil Stewart (Sheffield, United Kingdom), Neil J. Stewart, Graham Norquay, Juan Parra-Robles, Helen Marshall, General Leung, Philip S. Murphy, Rolf F. Schulte, Charlie A. Elliot, Robin Condliffe, Catherine G. Billings, Ian Smith, Paul D. Griffiths, Jan Wolber, Moira K. Whyte, David G. Kiely, Jim M. Wild

OA2946 **Comparison of ventilation heterogeneity (VH) measured with multiple breath washout (MBW) imaging to whole lung MBW LCI and FEV_1 in asthma and cystic fibrosis (CF)**
Felix Horn (Sheffield, United Kingdom), Felix Horn, Helen Marshall, Salman Siddiqui, Alexander Horsley, Laurie Smith, Ina Aldag, Christopher Brightling, Richard Kay, Christopher Taylor, Juan Parra-Robles, Jim Wild

OA2947 **Regional ventilation of patients with hemidiaphragm paralysis by electrical impedance tomography**
Mayra Caleffi Pereira (Sao Paulo, Brazil), Mayra Caleffi Pereira, Vinicius Torsani, André Apanavicius, Jeferson George Ferreira, Vinicius C. Iamonti, Marcelo Britto Passos Amato, Carlos Roberto Ribeiro de Carvalho, André Luis Pereira de Albuquerque, Pedro Caruso

OA2948 **Changes in functional respiratory imaging (FRI) endpoints correlate with changes in patient reported outcomes (PRO) after recovering from acute COPD exacerbation**
Wim Vos (Heist-op-den-Berg, Belgium), Wim Vos, Cedric Van Holsbeke, Wouter Van Geffen, Huib Kerstjens, Massimo Pistolesi, Omar Usmani, Bita Hajian, Anthony Cahn, Jan De Backer, Wilfried De Backer

OA2949 **Regional ventilation in infants quantified by multi-volume high resolution computed tomography (HRCT) and multi-volume proton magnetic resonance imaging (MRI)**
Francesca Pennati (Milan, Italy), Francesca Pennati, Caterina Salito, David Roach, John P. Clancy, Jason Woods, Andrea Aliverti

Room E104-106 Session 320 14:45 - 16:45

Poster discussion: New data on established treatments for asthma, COPD and bronchiectasis

Chairs : Alexander Mathioudakis (Liverpool, United Kingdom), Ian M. Adcock (London, United Kingdom)

PA2950 **Effects of tiotropium on lung function in current smokers and never smokers with asthma**
Makoto Yoshida (Fukuoka, Japan), Makoto Yoshida, Tomoaki Iwanaga, Hiromasa Inoue

PA2951 **Asthma medication during pregnancy: A cohort study in EFEMERIS database**
Alain Didier (Toulouse, France), Alain Didier, Anna-belle Beau, Isabelle Lacroix, Caroline Hurault-Delarue, Jean-louis Montastruc, Christine Damase-Michel

PA2952 **Efficacy of omalizumab in allergic asthma by asthma severity and eosinophilic status**
Karin Rosen (South San Francisco, United States of America), Nicola A. Hanania, Benjamin Trzaskoma, Karin Rosén, Volkan Manga, Theodore A. Omachi

PA2953 **In vitro comparison of dose accuracy of two budesonide/formoterol dry powder inhalers**
Jussi Haikarainen (Espoo, Finland), Jussi Haikarainen, Anita Happonen, Tero Löytänä

PA2954 **A national database study of the effectiveness of switching real-life asthma patients to fostair**
Graham Devereux (Aberdeen, United Kingdom), Markus Steiner, Steve Turner, Graham Devereux

PA2955 **GLISTEN Study subanalysis: Glycopyrronium differentially improves lung function, health status and rescue medication use when added to salmeterol/fluticasone in COPD severity groups**
Peter Frith (Daw Park, Australia), Peter Frith, Philip Thompson, Christina Frenzel, Nicol Kurstjens, GLISTEN Study Group

PA2956 **Efficacy of fluticasone furoate (FF)/vilanterol (VI) or FF alone in asthma patients with differing eosinophil (eos) levels**
Ashley Woodcock (Manchester, United Kingdom), Ashley Woodcock, Loretta Jacques, David Leather, Richard Forth

PA2957 **The fixed-dose combination of tiotropium + olodaterol has a rapid onset of action in patients with COPD**
Gary T. Ferguson (Livonia, United States of America), Gary T. Ferguson, Emilio Pizzichini, Matjaž Fležar, Lars Grönke, Lawrence Korducki

PA2958 **Tiotropium + olodaterol fixed-dose combination shows clinically meaningful improvements in quality of life versus placebo**
Dave Singh (Manchester, United Kingdom), Dave Singh, Gary T. Ferguson, Josef Bolitschek, Lars Grönke, Christoph Hallmann, Nathan Bennett, Roger Abrahams, Olaf Schmidt, Leif Bjermer

PA2959 **Minimal effect of inhaled corticosteroids (ICS) on blood eosinophil count in steroid-naïve COPD patients**
James Kreindler (Merion Station, United States of America), James Kreindler, Nicholas Locantore, Michael Watkins, Sally Lettis, Ruth Tal-Singer

PA2960 **Efficacy of aclidinium/formoterol fixed-dose combination versus salmeterol/fluticasone in COPD**
Claus Vogelmeier (Marburg, Germany), Claus Vogelmeier, Pier Luigi Paggiaro, Jordi Dorca, Pawel Sliwinski, Marcel Mallet, Anne-Marie Kirsten, Beatriz Seoane, Rosa Maria Segarra, Anne Leselbaum, Esther Garcia Gil

PA2961 **Pharmacokinetic interaction of glycopyrronium bromide pMDI and formoterol pMDI: A randomized, open-label, single-dose, 4-way cross-over study**
Fabrizia Mariotti (Parma, Italy), Sara Collarini, Anna Compagnoni, Dario Cuomo, Fabrizia Mariotti, Annamaria Muraro, Daniela Acerbi

PA2962 **The economical effect of inhaler in patients with early chronic obstructive pulmonary disease**
Ji Young Yhi (Seoul, Republic of Korea), Ji Young Yhi, Tae-Hyung Kim, Jinkyeong Park, Chin Kook Rhee, Kwang Ha Yoo

PA2963 **Influence of inhaled glucocorticosteroids on course of the bronchiectasis**
Eduard Khodosh (Kharkiv, Ukraine), Eduard Khodosh, Peter Poteiko, Valeriy Krutko, Dmitriy Khoroshun

PA2964 **The antiinflammatory and antioxidant effect of tiotropium bromide in subacute cigarette exposure mouse model**
Aysun engül (KOCAEL , Turkey), Aysun Sengul, Meyrem Ozkan, Ceyla Eraldemir, Leman Huseynova, Doga Ozsoy, Firuzan Akar

PA2965 **Once-daily QVA149 improves lung function and health status versus twice-daily salmeterol/fluticasone (SFC) in symptomatic GOLD B and GOLD D COPD patients: LANTERN/ILLUMINATE pooled analysis**
Claus Vogelmeier (Marburg, Germany), Claus Vogelmeier, Nanshan Zhong, Karen Mezzi, Robert Fogel, Donald Banerji

PA2966 **QVA149 is more efficacious than tiotropium and salmeterol/fluticasone combination (SFC) in improving patient-reported outcomes and lung function in COPD patients with moderate-to-severe baseline dyspnoea: The IGNITE trials**
Donald A. Mahler (Lebanon, United States of America), Donald Mahler, Dorothy Keininger, Robert Fogel, Karen Mezzi, Donald Banerji

PA2967 **Pharmacokinetic studies for the estimation of bioequivalence of two DPIs containing budesonide and formoterol**
Katerina Athanassiou (Pikermi, Greece), Katerina Athanassiou, Luigi Silvestro, Simona Rizea Savu

Room G102-103 Session 321 14:45 - 16:45

Poster discussion: Screening strategies in TB

Chairs : Delia Goletti (Rome, Italy), Graham H. Bothamley (London, United Kingdom)

PA2968 **A retrospective study of the indications for the use of interferon gamma release assays (IGRA) in a United Kingdom (UK) district general hospital (DGH) tuberculosis (TB) clinic**
Jennifer Kerks (Telford, United Kingdom), Jennifer Kerks, Callum Gandolfi, Harmesh Moudgil, Thirumalai Naicker, Nawaid Ahmad, Sue George, Koottalai Srinivasan

PA2969 **Anti-TNF-alpha therapy in patients with latent tuberculosis incidence**
Ipek Coskunol (Izmir, Turkey), Ipek Coskunol, Aysegül Baysak, Ayse Dalli, Funda Uluorman, Gerçek Can

PA2970 **Tuberculosis screening in patients receiving biological therapy**
Raquel Almeida Ferreira Duarte Bessa Melo (Porto, Portugal), Sara Ramos, Anabela Nogeira, André Dias, Ana Gonçalves, Ana Rita Gaio, Raquel Duarte

PA2971 **Should isoniazid prophylaxis be prescribed to the patients under tumor necrosis factor-alpha antagonists independent of tuberculin skin test?**
Öner Balbay (Duzce, Turkey), Fatih Alasan, Ege Gulec Balbay, Sengul Cangur, Oner Balbay, Leyla Yilmaz Aydin, Ali Nihat Annakkaya

PA2972 **Retrospective study of interferon gamma release assays (IGRAs) done in a district general hospital (DGH) for the screening of patients prior to biological therapies**
Jennifer Kerks (Telford, United Kingdom), Jennifer Kerks, Callum Gandolfi, Harmesh Moudgil, Thirumalai Naicker, Nawaid Ahmad, Sue George, Koottalai Srinivasan

PA2973 **Latent tuberculosis infection prevalence and risk of developing active TB among patients eligible for starting anti-TNF therapy**
Adriana Petronela Fildan (Constanta, Romania), Ariadna Petronela Fildan, Gheorghita Voicu, Livia Floca, Elis Curtmola, Elena Dantes

PA2974 **Prevention of latent TB reactivation in rheumatology patients prior to anti-TNF therapy: Evaluation of a risk stratification strategy in a low prevalence area**
Justina Ruksenaite (Leicester, United Kingdom), Justina Ruksenaite, Thomas Ward, George Tsaknis, Syed-Fayyaz Hussain

PA2975 **Tuberculosis contacts screening – Experience of a Portuguese ambulatory center**
Cátia Sofia Martins Araújo (Massamá, Portugal), Cátia Araújo, João Eusébio, Daniel Duarte, Natália André, Paula Raimundo, António Domingos

PA2976 **Risk of developing active TB in children with latent TB infection**
Natalya Korneva (Saint Petersburg, Russian Federation), Natalia Korneva, Anna Starshinova, Semen Ananiev, Yulia Ovchinnikova, Irina Dovgaluk, Piotr Yablonskii

PA2977 **Diagnosing latent tuberculosis in immunocompromised patients measuring blood IP-10 production capacity: An analysis of chronic renal faulire patients**
Ekrem Cengiz Seyhan (Istanbul, Turkey), Gülsah Günlüoglu, Ekrem Cengiz Seyhan, Zeki Günlüoglu, Nurdan Veske, Sedat Altin, Esra Yazar

PA2978 **Low real-world utility of IGRA when screening for LTBI in a low incidence setting**
James Clemence (London, United Kingdom), James Clemence, Hugo Farne, Harriet Owles, James Wilson, Dean Creer, Douglas Fink

PA2979 **Latent mycobacterium tuberculosis infection among type 2 diabetes mellitus patients**
Olanisun Olufemi Adewole (Ile-Ife, Nigeria), Olanisun Olufemi Adewole, O. Kayode, O. Abe, Harriet Osunkoya, Babatope Kolawole, Rosemary Ikem, Tayo Adewole, Greg Erhabor

PA2980 **Tuberculosis and intravenous drug users, impact of proximity measures in screening and treatment**
Pedro Oliveira (Vila Nova de Gaia, Portugal), Pedro Mesquita, Marta Gomes, Raquel Duarte

PA2981 **The value of immunological methods in the diagnosis of tuberculosis in patients with HIV**
Vera Manina (Saint-Petersburg, Russian Federation), Vera Manina, Anna Starshinova, Alexandr Panteleev, Viacheslav Zhuravlev, Maria Pavlova, Nadezda Sapozhnikova, Piotr Yablonskii, Alena Vasilyeva

PA2982 **HIV screening in tuberculosis patients, in the northern region of Portugal**
Sara Reina (Vila do Conde, Portugal), Sara Reina, Catarina Silva, Ana Maria Correia, Raquel Duarte

PA2983 **Prevalence of hepatitis C virus in patients with tuberculosis and its impact in the incidence of anti-tuberculosis drugs induced hepatotoxicity**
Mohammed Agha (Cairo, Egypt), Mohammed Agha, Ibraheim El-Mahalawy, Hosam Seleem, Mohamed Helwa

PA2984 **High prevalence of hepatitis C among patients with drug-resistant tuberculosis and its impact on the treatment outcome in Azerbaijan prisons**
Elmira Gurbanova (Baku, Azerbaijan), Elmira Gurbanova, Rafail Mehdiyev, Kai Blondal, Alan Altraja

PA2985 **Active TB in cancer patients: A missed screening opportunity?**
Lynne Curry (Reading, United Kingdom), Sarah Menzies, Lynne Curry, Christopher Turnbull

Room G104-105 Session 322 14:45 - 16:45

Poster discussion: Developments in lung cancer diagnosis

Chairs : Sam Janes (London, United Kingdom), Ales Rozman (Golnik, Slovenia)

PA2986 **Determinants of negative predictive value during EBUS-TBNA in diagnosis/staging of lung cancer**
Luis Alejandro Padron Fraysse (Sevilla, Spain), Luis Alejandro Padrón Fraysse, Alvaro Donate Salcedo, Beatriz Romero Romero, Lourdes Gómez Izquierdo, Jose Martin Juan

PA2987 **Role of transbronchial needle aspiration (TBNA) during endobronchial ultrasonography with guide-sheath (EBUS-GS) for peripheral pulmonary lesion (PPL) suspected of lung cancer**
Ken Arimura (Tokyo, Japan), Ken Arimura

PA2988 **EBUS in real life: Primary diagnosis and mediastinal staging**
Joao Pedro Steinhauser Motta (Rio de Janeiro, Brazil), João Pedro Steinhauser Motta, Franz Stanzel, Axel Kempa, José Roberto Lapa e Silva

PA2989 **Combined endobronchial and esophageal endosonography for mediastinal staging in lung cancer: Systematic review and meta-analysis**
Daniel Korevaar (Amsterdam, Netherlands), Daniël Korevaar, Laurence Crombag, Jérémie Cohen, René Spijker, Patrick Bossuyt, Jouke Annema

PA2990 **Pulmonolgists ability to review specimens obtained by TBNA - A real life study**
Achim Rittmeyer (Immenhausen, Germany), Achim Rittmeyer, Tobias Anslinger, Hans-Ulrich Schildhaus, Lutz Welker, Marc Hinterthaner, Birgit Zwerger, Christian Reinhardt, Stefan Andreas

PA2991 **Number of procedures and time needed to diagnose lung cancer: Being right the first time**
Jonathen Venkatachalam (Singapore, Singapore), Akash Verma, Jonathen Venkatachalam, Dessmon Tai, Soon Keng Goh, Ai Ching Kor, Albert Lim, John Abisheganaden

PA2992 **Diagnosing lung cancer: Choosing the best for your patient**
Shuyu Chen (Singapore, Singapore), Shuyu Chen, Jonathen Venkatachalam, Poh Seo Quek, Albert Yick Hou Lim, John Abisheganaden, Akash Verma

PA2993 **Fluorescein-aided probe-based confocal laser endomicroscopy (pCLE) for detection of lung cancer**
Kiyoshi Shibuya (Matsudo, Japan), Kiyoshi Shibuya, Nao Okada, Jouji Horio, Hidemitsu Funabashi, Masahiro Noro

PA2994 **Improvement in endoscopic diagnosis of lung cancer by narrow-band imaging (NBI)**
Carles Grimau Chapinal (Sabadell (Barcelona), Spain), Carles Grimau, Guadalupe Bermudo, Luis Urrelo, Miguel Gallego, Eduard Monso

PA2995 **Intrathoracic lymph node staging of potentially resectable non-small cell lung cancer - The role of PET-CT**
Raquel Rosa (Lisbon, Portugal), Raquel Rosa, Dionísio Maia, Ana Alves, Telma Lopes, Inês Gonçalves, João Reis, Ivan Bravio, Pedro Baptista, Fernando Martelo, João Cardoso

PA2996 **Differentiating incidental lung nodules due to lung cancer from those due to coccidioidomycosis**
Michael Peterson (Fresno, United States of America), Michael Peterson, Reza Ronagi, Paul Mills

PA2997 **Haemoptysis with normal chest x-ray: Do all patients require CT chest and bronchoscopy?**
Maryam Ahmed (Wolverhampton, United Kingdom), Maryam Ahmed, James Allen, Mohammed Haris, Imran Hussain

PA2998 **Early detection of lung cancer in exhaled breath condensate using miRNA markers**
Francisco Sanz Herrero (Quart de Poblet (Valencia), Spain), Francisco Sanz, Enrique De Casimiro, Carmen María Cortés, Marisa Tárrega, Francisco Dasi, Estrella Fernández

PA2999 **Detection of lung cancer using expired breath analysis by ion mobility spectrometry**
Emma Brodrick (Cardiff, United Kingdom), Emma Brodrick, Antony Davies, Paul Neill, Louise Hanna, E. Williams

PA3000 **Using exhaled breath profiles in the discrimination between COPD, lung cancer and their co-morbidity**
Rianne de Vries (Amersfoort, Netherlands), R. De Vries, P. Brinkman, S.K. Bootsma, E. Dijkers, F.H.C. De Jongh, P.J. Sterk

PA3001 **The role of nitric oxide, reactive nitrogen and oxygen species in lung cancer**
Alica Bencova (Martin, Slovakia), Alica Bencova, Martina Antosova, Daniela Mokra, Ivan Kocan, Eva Rozborilova

PA3002 **Automated target-FISH lung cancer detection (LCD) test of induced sputum**
Dekel Shlomi (Petah-Tiqwa, Israel), Dekel Shlomi, Alon Ben-Nun, Tal Kaplan, Maya Ilouze, David Simanski, Tiberiu Shulimzon, Naomi Gai-Mor, Lahav Cohen, Nir Golan, Erik Baltaxe, Jair Bar, Amir Onn, Amir Onn, Nir Peled

Room G106-107 Session 323 14:45 - 16:45

Poster discussion: Notable abstracts in exacerbations, mechanisms and biomarkers in COPD

Chairs : Wouter H. van Geffen (Groningen, Netherlands), Maurizio Marvisi (Cremona, Italy)

PA3003 **LATE-BREAKING ABSTRACT: No relationship between cardiovascular morbidity and moderate-to-severe exacerbation rates in COPD patients in primary care**
Paul Jones (London, United Kingdom), Paul Jones, Jadwiga Wedzicha, Alvar Agusti, Marc Decramer, Alice Raillard, Hana Müllerová, Chang-Qing Zhu, Lukasz Adamek

PA3004 **The serum level of surfactantproteind in patients with chronic obstructive pulmonary disease, depending on the nutrtional status**
Anna Stupnytska (Chernivtsi, Ukraine), Ganna Stupnytska, Anastasiya Stupnytska, Olga Pritulyak, Olga Nesterovska

PA3005 **Correlation between extracellular heat shock protein 72 and clinical parameters including exhaled oxygen level in COPD**
Balázs Odler (Budapest, Hungary), Balazs Odler, Vivien Somogyi, Gabor Horvath, Veronika Müller

PA3006 **Continuous indacaterol treatment improves autonomic cardiac regulation in COPD patients**
Rustem Zulkarneev (Ufa, Republic of Bashkortostan, Russian Federation), Juliana Safina, Naufal Zagidullin, Rustem Zulkarneev, Diana Gareeva, Usman Farhutdinov, Shamil Zagidullin, Julia Aznabaeva

PA3007	**Hypercapnea is associated with cardiac arrhythmias in COPD** Gunnar Einvik (Lørenskog, Norway), Gunnar Einvik, Rahul Bhatnagar, Nils Henrik Holmedahl, Anke Neukamm, Vidar Søyseth
PA3008	**Marfanoid phenotype as a predictor of COPD formation in young patients** Anna Khomenya (Omsk, Russian Federation), Anna Khomenya, Maria Vershinina, Galina Nechaeva, Lev Grinberg
PA3009	**Association between arterial stiffness and acute exacerbations in patients with chronic obstructive pulmonary disease** Esra Uzaslan (Bursa, Turkey), Sinem Ozbay Ozyilmaz, Isa Ozyilmaz, Osman Akin Serdar, Esra Uzaslan
PA3010	**The median number of COPD exacerbations per year in patients with different polymorphisms of the gene ADRB2** Malika Mustafina (Moscow, Russian Federation), Malika Mustafina, Olga Tsvetkova, Eduard Generozov
PA3011	**Increased total serum levels of ghrelin and nesfatin in chronic obstructive pulmonary disease** Ceylan Ayada (Kütahya, Turkey), Ceylan Ayada, ümran Toru, Osman Genç, Server Sahin, özlem Arik, Ismet Bulut
PA3012	**Increased platelet reactivity during acute exacerbations of COPD, irrespective of antiplatelet therapy** Mariana Mercedes Munoz Esquerre (Castelldefels (Barcelona), Spain), Mariana Munoz-Esquerre, José Luis Ferreiro, Daniel Huertas, Ana L. Marcano, Marta López-Sánchez, Frederic Manresa, Joan Antoni Gómez-Hospital, Angel R. Cequier, Jordi Dorca, Salud Santos
PA3013	**Angiographically objectified presence of coronary artery disease in patients with exacerbated chronic obstructive pulmonary disease and raised troponin I - The BEETHOVEN trial** Carmen Pizarro (Bonn, Germany), Carmen Pizarro, Neele Herweg-Steffens, Nikos Werner, Georg Nickenig, Dirk Skowasch
PA3014	**Impact of not planned readmissions due to acute exacerbations of chronic obstructive pulmonary disease** Laura Rarmirez Garcia (Madrid, Spain), Laura Ramírez García, Milagros Llanos Flores, Alicia Oliva Ramos, Alicia Cerezo Lajas, Ingrid Frías Benzant, Rodrigo Jiménez García, Valentín Hernández Barrera, Pilar Carrasco Garrido, Ana López de Andrés, Luis Puente Maestu, Javier De Miguel Díez
PA3015	**Clinical characteristics of patients with clinically-diagnosed COPD exacerbations but without concomitant airflow limitation** Sheila Zanoria (Farmington, United States of America), Sheila Zanoria, Richard ZuWallack, Bibek Singh Pannu
PA3016	**Health status predicted mortality in hypercapnic patients with noninvasive ventilation** Toru Oga (Kyoto, Japan), Toru Oga, Hiroyuki Taniguchi, Hideo Kita, Tomomasa Tsuboi, Keisuke Tomii, Morihide Ando, Eiji Kojima, Hiromi Tomioka, Yoshio Taguchi, Yusuke Kaji, Ryoji Maekura, Toru Hiraga, Naoki Sakai, Tomoki Kimura, Michiaki Mishima, Kazuo Chin
PA3017	**Health status predicts long-term outcomes in patients with chronic obstructive pulmonary disease (COPD): Pooled analysis of patient-level data from the COPD biomarker qualification consortium database** Hana Muellerova (Uxbridge, Middlesex, United Kingdom), Hana Müllerová, Heather Gelhorn, Hilary Wilson, Victoria Benson, Niklas Karlsson, Shailendra Menjoge, Debora Merrill, Stephen Rennard, Ruth Tal-Singer, Margaret Tabberer, Paul Jones
PA3018	**Matrix metalloproteinase, hyaluronic acid and C-reactive protein: Are they really markers of lung obstruction at COPD but not cardiovascular comorbidity?** Bogdana Basina (Dnipropetrovsk, Ukraine), Bogdana Basina, Tetyana Pertseva, Lyudmila Konopkina
PA3019	**Relationship between COPD characteristics and airway bacterial load measured using 16S qPCR** Simon Brill (London, United Kingdom), Simon E. Brill, Phillip James, William O.C. Cookson, Miriam F. Moffatt, Jadwiga A. Wedzicha
PA3020	**A novel lung pharmacokinetic model predicts lung exposure and supports dose selection for clinical study of AZD2115, a dual muscarinic receptor antagonist/beta2 adrenoceptor agonist (MABA)** Ramon Hendrickx (Gothenburg, Sweden), Ramon Hendrickx, Ann Aurell Holmberg, Ulf Eriksson, Ken Grime

Room 13.2 Session 324 14:45 - 16:45

Poster discussion: Novel insights into the pathobiology of acute lung injury

Chairs : Christian Martin (Aachen, Germany), Wolfgang M. Kuebler (Toronto, Canada)

PA3021	**LSC Abstract – Epithelial sodium channel (ENaC) currents and superoxide and hydroxyl formation in influenza H1N1 infected rat primary alveolar type II cells** Sotirios Zarogiannis (Larisa, Greece), Sotirios Zarogiannis, James Londino, Lan Chen, Qian Li, Jack Lancaster, James Noah, Diana Noah, Sadis Matalon

PA3022	**LSC Abstract – Syndecan-1 attenuates lung injury during influenza infection by activating survival signals via c-Met (winner of the LSC 2015 Young Investigator William MacNee Award)** Rena Brauer (Los Angeles, United States of America), Rena Brauer, Saundra Y. Schlesinger, Timothy P. Birkland, Lingyin Ge, Ying Huang, John K. McGuire, William C. Parks, Peter Chen
PA3023	**Lung inflammation: The role of alveolar macrophages** Usman Farkhutdinov (Ufa, Republic of Bashkortostan, Russian Federation), Usman Farkhutdinov
PA3024	**Microvesicles derived from alveolar macrophages mediate epithelial activation via a TNF dependant mechanism** Sanooj Soni (London, United Kingdom), Sanooj Soni, Mariko Yoshida, Samantha Woods, Kieran O'Dea, Michael Wilson, Masao Takata
PA3025	**Obesity modulates the alveolar macrophage response** Niki Ubags (Maastricht, Netherlands), N.D.J. Ubags, J.H.J. Vernooy, S. Ventrone, S.C Frasch, D.L. Bratton, E.F.M. Wouters, B.T. Suratt
PA3026	**Activation of NLRP3 inflammasome is regulated by mitochondrial ROS via PI3K-HIF-VEGF pathway in acute lung injury** So Ri Kim (Jeonju, Republic of Korea), So Ri Kim, Yong Chul Lee, Hee Jung Kim, Soon Ha Kim
PA3027	**Heparin effect in alveolar cells and macrophages in an acute lung injury model** Marta Camprubí (Molins de Rei, Spain), Marta Camprubí-Rimblas, Raquel Guillamat-Prats, Laura Chimenti, Jessica Tijero, Mª Nieves Gómez, Lluís Blanch Blanch, Antonio Artigas
PA3028	**Features of rat tracheal epithelium regeneration** Igor A. Klimanov (Moscow, Russian Federation), A. Volkova, E. Mubarakshina, A. Gordeeva, A. Temnov, I. Klimanov, S. Soodaeva, V. Novoselov
PA3029	**Effect of alveolar type II cells in acute lung injury model** Raquel Guillamat-Prats (Barcelona, Spain), Raquel Guillamat-Prats, Ferranda Puig, Raquel Herrero, Anna Serrano-Mollar, Marta Camprubí-Rimblas, Marta Olive-Gadea, Laura Chimenti, Montse Batlle, Jessica Tijero, Maria Nieves Gómez, Lluís Blanch, Antonio Artigas
PA3030	**Extracellular ATP is a danger signal activating P2X7 Receptor in a LPS mediated inflammation (ARDS)** Sanja Cicko (Freiburg, Germany), Sanja Cicko, Anja Meyer, Nicolas Ehrat, Cemil Korcan Ayata, Andreas Zech, Madelon Hossfeld, Marco Idzko
PA3031	**Down-regulation of RIP140 can prevent LPS-induced inflammation and acute lung injury in mice via PPAR** jianchun Wang (Chongqing, China), Jianchun Wang, Chuanjiang Lei
PA3032	**Association between age-dependent changes in the pulmonary renin angiotensin system and severity of lung injury** Laura Schouten (Amsterdam, Netherlands), Laura Schouten, Hendrik Helmerhorst, Gerry Wagenaar, Rene Lutter, Joris Roelofs, Tom Haltenhof, Job Van Woensel, Anton Van Kaam, Albert Bos, Marcus Schultz, Thomas Walter, Roelie Wösten-van-Asperen
PA3033	**SIRT1 contributes to LPS-induced lung injury through interaction with mitochondrial ROS generation** Yong Chul Lee (Jeonju, Republic of Korea), Yong Chul Lee, So Ri Kim, Hee Jung Kim, Soon Ha Kim
PA3034	**Effects of voluven on lung injury induced by hemorrhagic shock and femoral fracture in rat** Farzaneh Ketabchi (Shiraz, Islamic Republic of Iran), Vahid Zangouri, Shahin Khodaei, Farzaneh Ketabchi, Seyed Mostafa Shid Moosavi, Alireza Dehghan, Shahram Payedar
PA3035	**Neutrophil elastase inhibitor sivelestat ameliorates gefitinib, naphthalene-induced acute pneumonitis in mice** Hironori Mikumo (Fukuoka, Japan), Hironori Mikumo, Naoki Hamada, Ichiro Inoshima, Saiko Ogata, Yuichi Mizuta, Kunihiro Suzuki, Tetsuya Yokoyama, Yoichi Nakanishi
PA3036	**LASSBio 596 improves function, inflammation and apoptosis in lung and liver of mice intoxicated with microcystin-LR** Giovanna Carvalho (Rio de Janeiro, Brazil), Giovanna Carvalho, Vinicius Oliveira, Maria Diana Gomes, Natalia Casquilho, Raquel Soares, Sandra Azevedo, Lidia Lima, Eliezer Barreiro, Christina Takiya, Walter Zin
PA3037	**Glycerol kinase 5 regulates wound healing of airway epithelial cells by mediating aquaglyceroporin 3 and 9** Jian Zhou (Shanghai, China), Jian Zhou, Chunxue Bai

Room E102 Session 325 14:45 - 16:45

Poster discussion: IPF: from bench to bedside

Chairs : Martina Vašáková (Prague, Czech Republic), Francesco Bonella (Düsseldorf, Germany)

PA3038	**Nintedanib inhibits fibroblast activation and ameliorates pulmonary and dermal fibrosis in models of systemic sclerosis (SSc)** Jörg Distler (Erlangen, Germany), Jingang Huang, Christian Beyer, Katrin Palumbo-Zerr, Yun Zhang, Stefan-Lutz Wollin, Jörg Distler
PA3039	**Expression of miR-185 targets DNA methyltransferase 1 and Cyclin D2 in IPF and lung cancer in BALF cells: Preliminary results** Eleni Bibaki (Heraklion, Crete, Greece), Eleni Bibaki, Eliza Tsitoura, Chara Koutoulaki, Eirini Vasarmidi, Evangelia Stamataki, Despina Moraitaki, Nikos Tzanakis, Katerina Antoniou
PA3040	**Anti-fibrotic effects of pirfenidone in lung fibroblasts derived from patients with idiopathic pulmonary fibrosis** Katrin Esther Hostettler Haack (Basel, Switzerland), Katrin Hostettler, Eleni Papakonstantinou, Ioannis Klagas, Ioannis Bonovolias, Qingzhu Sun, Michael Tamm, Christopher Lambers, Michael Roth
PA3041	**Reactivation of developmental pathways in idiopathic pulmonary fibrosis: FGF9 and FGF18 modulate the phenotype of control and fibrotic human lung fibroblasts in vitro** arnaud Mailleux (Paris, France), Audrey Joannes, Joëlle Marchal-Somme, Bruno Crestani, Arnaud Mailleux
PA3042	**Real life patient experience of pirfenidone in a regional interstitial lung disease clinic** Abirami Subramaniam (Dublin, Ireland), Abirami Subramaniam, Mohamed Elshafi, Loraine Thong, Kate O'Halloran, Bernadette Bowen, Kashif Khan, Desmond Murphy, Barry Plant, Marcus Kennedy, Michael Henry
PA3043	**Real-life experience with pirfenidon in idiopathic pulmonary fibrosis: Does early treatment start predict better therapy adherence?** Dirk Steffen Koschel (Radebeul, Germany), Lars Lützkendorf, Marcus Vogler, Gert Höffken, Dirk Koschel
PA3044	**Initial clinical experience with nintedanib for treatment of idiopathic pulmonary fibrosis (IPF): About 20 cases** Claudia Valenzuela (Alcobendas (Madrid), Spain), Claudia Valenzuela, Maria Molina, Fátima Diaz Chantar, Tamara Alonso, Jose Antonio Rodriguez Portal, Maria Jesus Rodriguez Nieto, Rosalia Laporta, María Jesús Linares, Julio Ancochea
PA3045	**Intravenous pulse doses of high-dose corticosteroid and cyclophosphamide in acute exacerbation of idiopathic pulmonary fibrosis** Paola Faverio (Limbiate, Italy), Paola Faverio, Roberto Ruggiero, Valentina Paolini, Luca Novelli, Federica De Giacomi, Alice Biffi, Elisa Oggionni, Luca Bilucaglia, Alberto Pesci
PA3046	**Inhaled PHMG can induce pulmonary fibrosis through mitochondrial ROS generation** So Ri Kim (Jeonju, Republic of Korea), So Ri Kim, Yong Chul Lee, Dong Im Kim, Hae Jin Park, Soon Ha Kim
PA3047	**Increased fibrinolytic mediators in IPF as potential contributors to pulmonary fibrosis and vascular remodeling** Nour Bacha (Gournay-Sur-Marne, France), Nour Bacha, Adeline Blandinières, Pascale Gaussem, Chantal Boulanger, Jean Marie Renard, Eduardo Anglès-Cano, Dominique Israël-Biet, David Smadja
PA3048	**FGF-9 overexpression prevents pleural fibrosis induced by intra-pleural adenovirus injection in mice** Aurelien Justet (Paris, France), Aurélien Justet, Audrey Joannes, Joelle Marchal-Somme, Valérie Besnard, Philippe Bonniaud, Arnaud Mailleux, Bruno Crestani
PA3049	**Role of the nitric oxide-asymmetric dimethylarginine-dimethylarginine dimethylaminohydrolase (NO-ADMA-DDAH) axis in TGF- mediated epithelial-mesenchymal transition** Harpreet Lota (Hounslow, United Kingdom), Harpreet K. Lota, James M. Leiper
PA3050	**Etablishing rhesus model of pulmonary fibrosis (PF) for the new drug evaluation** Lian Liu (Chengdu, China), Lian Liu, Hao Wang, Hao Wang, Xiaoou Li, Fuqiang Wen
PA3051	**Abnormal proliferation and differentiation of c-kit+ lung stem cells in pulmonary fibrosis** Ming Liu (Guangzhou, China), Ming Liu
PA3052	**Effect of nintedanib on hyaluronic acid metabolism in lung fibroblasts derived from patients with idiopathic pulmonary fibrosis** Katrin Esther Hostettler Haack (Basel, Switzerland), Katrin Hostettler, Eleni Papakonstantinou, Ioannis Klagas, Ioannis Bonovolias, Michael Tamm, Christopher Lambers, Didier Lardinois, Michael Roth
PA3053	**Transcriptome analysis in endobronchial epithelial lining fluid compared to bronchoalveolar lavage in idiopathic pulmonary fibrosis** Nicolas Kahn (Heidelberg, Germany), Nicolas Kahn, Martin Granzow, Michael Meister, Ralf Eberhardt, Thomas Muley, Eva Baroke, Ute Oltmanns, Felix J.F. Herth, Michael Kreuter
PA3054	**Effect of nintedanib on the release of angiogenic/angiostatic cytokines by alveolar macrophages (AMs) in interstitial lung diseases (ILD)** Xiaoping Long (Essen, Germany), Xiaoping Long, Ulrich Costabel, Xuan He, Thomas E. Wessendorf, Dirk Theegarten, Josune Guzman, Francesco Bonella

PA3055 **Differential metabolism of hyaluronic acid in patients with idiopathic pulmonary fibrosis**
Katrin Esther Hostettler Haack (Basel, Switzerland), Katrin Hostettler, Eleni Papakonstantinou, Ioannis Klagas, Ioannis Bonovolias, Chistopher Lambers, Michael Tamm, Michael Roth

Room D201-202 Session 326 14:45 - 16:45

Poster discussion: Best abstracts in chronic care

Chairs : Michael Steiner (Leicester, United Kingdom), Roberto Rabinovich (Edinburgh, United Kingdom)

PA3056 **Effect of weight-loss on the dynamic hyperinflation in obese asthmatics**
Celso Carvalho (Sao Paulo, Brazil), Aline G. Silva, Patricia D. Freitas, Palmira G. Ferreira, Frederico L.A. Fernandes, João M. Salge, Rafael Stelmach, Alberto Cukier, Milton A. Martins, Celso R.F. Carvalho

PA3057 **Effectiveness of an occupational therapy program after AECOPD**
Marie Carmen Valenza (Granada, Spain), Marie Carmen Valenza, Irene Torres-Sanchez, Concepcion Morales-Garcia, Paz Moreno, Janet Rodriguez, Araceli Ortiz

PA3058 **Effectiveness of temporary positive expiratory pressure (T-PEP) at home and at hospital in patients with severe COPD**
Valentina Mascardi (Sestri Levante, Italy), Valentina Mascardi, Ines Maria Grazia Piroddi, Bruna Grecchi, Antonello Nicolini

PA3059 **The effect of frequent use of hypnotics on HRQOL in patients receiving LTOT and/or long-term NIV**
Tomomasa Tsuboi (Joyo, Japan), Tomomasa Tsuboi, Toru Oga, Takefumi Saito, Shohei Takada, Shuichi Yano, Tetsuro Ohdaira, Yoshiro Mochizuki, Toru Yamanaka, Masahiro Abe, Kensuke Sumi, Kazuo Chin

PA3060 **1–year mortality in hospitalized patients with an acute exacerbation of COPD on the pulmonary ward compared to the ICU**
Wendy van Beurden (Enschede, Netherlands), Wendy Van Beurden, Kirsten Bosscher, Marjolein Brusse-Keizer

PA3061 **Clinical characteristics and health status of spontaneous sputum producers in COPD**
Dionne Braeken (Valkenburg a/d Geul, Netherlands), D.C.W. Braeken, S. Wilke, D.E. Smid, G.G.U. Rohde, J.J.C. Drijkoningen, E.F.M. Wouters, M.A. Spruit, F.M.E. Franssen

PA3062 **Comparison of adventitious respiratory sounds between stable COPD and AECOPD**
Cristina Jácome (Nine, Portugal), Cristina Jácome, Ana Oliveira, Alda Marques

PA3063 **Prevalence and characteristics of anxiety and depression in patients with advanced COPD**
Nicole Toms (Leicester, United Kingdom), Nicole Toms, Neil Greening, Robert Free, Rachael Evans, Michael Steiner

PA3064 **Epidemiology of desaturation dips in a cohort of patients under non-invasive ventilation (NIV)**
Claudio Rabec (Dijon, France), Claire-Marie Monnet, Claudio Rabec, Marjolaine Georges, Clement Foignot, Philippe Camus, Philippe Bonniaud

PA3065 **Comparison of effectiveness of two positive expiratory devices in severe COPD patients: Temporary positive expiratory pressure (TPEP) versus oscillatory positive expiratory pressure (OPEP)**
Antonello Nicolini (Sestri Levante, Italy), Antonello Nicolini, Valentina Mascardi, Bruna Grecchi

PA3066 **Physicians' knowledge and perceived barriers to pulmonary rehabilitation in Nigeria**
Ayodele Akinremi (Ibadan, Nigeria), Ayodele Akinremi, Susan Ogwu

PA3067 **Benefits of self-management education in COPD exacerbations**
Annette Overgaard (Skive, Denmark), Jensen Michael Skov, Overgaard Annette, Hougaard Lisbeth, Holm Else

PA3068 **Changes over time in body composition assessed by segmental bioelectrical impedance analysis in COPD patients**
Daniela Gologanu (Bucarest, Romania), Daniela Gologanu, Diana Ionita, Cristina Stanescu, Ana Maria Raceanu, Miron Alexandru Bogdan

PA3069 **Self-reported lack of adherence is associated with increased airway hyperresponsivness in asthma**
Christian Woehlk (Copenhagen, Denmark), Christian Woehlk, Anna Von Bülow, Asger Sverrild, Vibeke Backer, Celeste Porsbjerg

PA3070 **Falls, an underestimated risk in COPD**
Ovidiu Fira-Mladinescu (Timisoara, Romania), Alexandru F. Crisan, Cristian Oancea, Bogdan Timar, Ovidiu Fira-Mladinescu, Voicu Tudorache

PA3071 **Adherence to home mechanical ventilation (HMV)**
Eric Derom (Gent, Belgium), Jan-Jakob Delanoye, Stef Bouduin, Eric Derom, Guy Joos

PA3072 **An integrated care management program (ICMP) for patients with severe COPD; mortality, hazards and causes**
Elena Valerevna Titova (Trondheim, Norway), Elena Titova, Sigurd Steinshamn, Anne Henriksen

PA3073 **Preliminary outcomes of the CREWS study**
Phyllis Murphie (Dumfries, United Kingdom), Phyllis Murphie, Margaret Gall, Mary Wilson, Musa Ali, Helen Coles, Stuart Little

Room 13.2 Session 327 17:00 - 17:50

Group members' meeting: Group 1.6 General practice and primary care

Chairs : Bjorn Stallberg (Uppsala, Sweden), Hilary Pinnock (Edinburgh, United Kingdom), Janwillem Kocks (Groningen, Netherlands)

Room E103 Session 328 17:00 - 17:50

Group members' meeting: Group 1.4 Interventional pulmonology

Chairs : Stefano Gasparini (Ancona, AN, Italy), Jouke T. Annema (Amsterdam, Netherlands), Prashant Nemichand Chhajed (Mumbai, India)

17:15-19:15
INDUSTRY EVENING SYMPOSIA SEE PAGE 331

17:30-19:00
INDUSTRY EVENING MINI SYMPOSIUM SEE PAGE 331

Room G106-107 Session 349 07:00 - 08:15

This course is fully booked. Please contact ers2015registration@kit-group.org to be added to the waiting list.

Challenging clinical cases: CC5 Interpretation of pulmonary function testing (€85)

Aims : To provide the participants with the skills and knowledge necessary for confidently interpreting pulmonary function tests

Track(s) : Physiology

Tag(s) : Clinical

Target audience : Technologists, respiratory physicians, clinical researchers, fellows, and residents.

Chairs : Eric Derom (Gent, Belgium)

07:00	**Introduction**	**3187**
07:10	**The clinical value of trend reports in pulmonary function testing** Tiago Jacinto (Senhora da Hora, Portugal)	**3188**
07:35	**The clinical value of bodybox measurements** Stefan Walen (Zwolle, Netherlands)	**3189**
08:00	**Discussion**	**3190**

Room E102 Session 350 07:00 - 08:15

Registration for this session is additional to the congress registration fee and is €85.

Challenging clinical cases: CC6 Multidisciplinary team discussion in thoracic oncology (€85)

Aims : To provide physicians (both in training and experienced) with a real-life discussion on thoracic oncology cases by exploring current multidisciplinary discussions in thoracic oncology. How to choose the best strategy(ies) for diagnosing or treating peculiar cases will be presented along with the scientific data in the literature that support each choice. The benchmark decisions that have been taken previously and the scientific foundations for these decisions will also be presented. Finally, a multidisciplinary team discussion as it occurs in daily practice will be simulated: junior members will present case studies that will then be discussed by the participants. In particular, the diagnostic and therapeutic strategies for the cases will be discussed. The outcomes of the discussion will then be compared with what was done in practice.

Track(s) : Oncology

Tag(s) : Clinical

Target audience : All respiratory physicians who manage lung cancer patients.

Chairs : Gilbert Massard (Strasbourg, France), Rainer G. Wiewrodt (Münster, Germany)

07:00	**Introduction**	**3191**
07:10	**A patient with multiple pulmonary nodules** Nadeem Anwar (Bolton, United Kingdom)	**3192**
07:35	**A positive post-operative PET** Florin Rusu-Cordunean (Iasi, Romania)	**3193**
08:00	**Discussion**	**3194**

Room L001 Session 352 08:00 - 10:20

Registration for this workshop is additional to the congress registration fee and is €85.

Educational skills workshop: EW19 Motivational interviewing for smoking cessation in COPD smokers (€85)

Aims : To review the different strategies used to increase the motivation of COPD smokers to quit smoking.

Track(s) : Epidemiology/Environment

Tag(s) : Clinical

Target audience : Pulmonologists, nurses, thoracic surgeons, fellows and residents.

Chairs : Paraskevi Katsaounou (Athens, Greece)

	Introduction	**3199**
	Workstation 1: Different theories of motivation Lynne Johnston (Newcastle, United Kingdom)	**3200**

	Workstation 2: How to measure motivation Gian Paolo Guelfi (Genoa, Italy), Speaker to be confirmed	**3201**
	Workstation 3: The different phases of motivational interviewing Dimos Fotopoulos (Rethymnon, Greece)	**3202**
	Workstation 4: The roles spirometry and lung age play in increasing the motivation of COPD patients Carlos Andres Jimenez Ruiz (Madrid, Spain)	**3203**

Room L002 Session 353 08:00 - 10:20

Registration for this workshop is additional to the congress registration fee and is €85.

Educational skills workshop: EW20 Respiratory sampling techniques (€85)

Aims : Sampling the airways is a useful way of accessing "the core" of lung diseases. Since the different techniques that are used to sample the airways can yield interesting immunological, inflammatory, and clinical data, this workshop aims to provide practical skills for both clinical and research purposes. The workshop does not require previous experience in this field. The workstations will be organised to be interactive and to provide all the required skills needed to perform the techniques.

Tag(s) : Translational

Target audience : Researchers, respiratory physicians interested in biological research, biologists, pulmonologists, pathologists, technicians.

Chairs : Philipp A. Schnabel (Homburg/Saar, Germany)

08:00	**Introduction**	**3204**
08:05	**Workstation 1: Clinical cytology – rapid onsite evaluation (ROSE)** Matthias Wiebel (Heidelberg, Germany)	**3205**
08:40	**Workstation 2: Histology** Erik Thunnissen (Amsterdam, Netherlands)	**3206**
09:15	**Workstation 3: Sputum collection** Patrizia Pignatti (Pavia, Italy)	**3207**
09:50	**Workstation 4: Analysis of BAL fluids** Christian M. Kaehler (Innsbruck, Austria)	**3208**

Room L001 Session 376 10:40 - 13:00

Registration for this workshop is additional to the congress registration fee and is €85.

Educational skills workshop: EW21 Motivational interviewing for smoking cessation in COPD smokers (€85)

Aims : To review the different strategies used to increase the motivation of COPD smokers to quit smoking.

Track(s) : Epidemiology/Environment

Tag(s) : Clinical

Target audience : Pulmonologists, nurses, thoracic surgeons, fellows and residents.

Chairs : Sofia Belo Ravara (Lisbon, Portugal)

10:40	**Introduction**	**3432**
10:45	**Workstation 1: Different theories of motivation** Sotiria Schoretsaniti (Athens, Greece)	**3433**
11:20	**Workstation 2: How to measure motivation** Gian Paolo Guelfi (Genoa, Italy)	**3434**
11:55	**Workstation 3: The different phases of motivational interviewing** Dimos Fotopoulos (Rethymnon, Greece), Speaker to be confirmed	**3435**
12:30	**Workstation 4: The roles spirometry and lung age play in increasing the motivation of COPD patients** Paraskevi Katsaounou (Athens, Greece)	**3436**

Room L002 Session 377 10:40 - 13:00

Registration for this workshop is additional to the congress registration fee and is €85.

Educational skills workshop: EW22 Respiratory sampling techniques (€85)

Aims : Sampling the airways is a useful way of accessing "the core" of lung diseases. Since the different techniques that are used to sample the airways can yield interesting immunological, inflammatory, and clinical data, this workshop aims to provide practical skills for both clinical and research purposes. The workshop does not require previous experience in this field. The workstations will be organised to be interactive and to provide all the required skills needed to perform the techniques.

Tag(s) : Translational

Target audience : Researchers, respiratory physicians interested in biological research, biologists, pulmonologists, pathologists, technicians.

Chairs : Antonio Spanevello (Tradate, Italy)

Introduction	**3437**
Workstation 1: Clinical cytology Eva Schmutz (Heidelberg, Germany)	**3438**
Workstation 2: Histology Helmut H. Popper (Graz, Austria)	**3439**
Workstation 3: Sputum collection Antonio Spanevello (Tradate, Italy)	**3440**
Workstation 4: Analysis of BAL fluids Ulrich Costabel (Essen, Germany)	**3441**

Room L001 Session 449 14:30 - 16:50

Registration for this workshop is additional to the congress registration fee and is €85.

Educational skills workshop: EW23 Motivational interviewing for smoking cessation in COPD smokers (€85)

Aims : To review the different strategies used to increase the motivation of COPD smokers to quit smoking.

Track(s) : Epidemiology/Environment

Tag(s) : Clinical

Target audience : Pulmonologists, nurses, thoracic surgeons, fellows and residents.

Chairs : Philip Tønnesen (Glostrup, Denmark)

Introduction	**4419**
Workstation 1: Different theories of motivation Lynne Johnston (Newcastle, United Kingdom)	**4420**
Workstation 2: How to measure motivation Gian Paolo Guelfi (Genoa, Italy)	**4421**
Workstation 3: The different phases of motivational interviewing Dimos Fotopoulos (Rethymnon, Greece)	**4422**
Workstation 4: The roles spirometry and lung age play in increasing the motivation of COPD patients Carlos Andres Jimenez Ruiz (Madrid, Spain)	**4423**

Room L002 Session 450 14:30 - 16:50

Registration for this workshop is additional to the congress registration fee and is €85.

Educational skills workshop: EW24 Respiratory sampling techniques (€85)

Aims : Sampling the airways is a useful way of accessing "the core" of lung diseases. Since the different techniques that are used to sample the airways can yield interesting immunological, inflammatory, and clinical data, this workshop aims to provide practical skills for both clinical and research purposes. The workshop does not require previous experience in this field. The workstations will be organised to be interactive and to provide all the required skills needed to perform the techniques.

Tag(s) : Translational

Target audience : Researchers, respiratory physicians interested in biological research, biologists, pulmonologists, pathologists, technicians.

Chairs : Christian M. Kaehler (Innsbruck, Austria)

Introduction	**4424**
Workstation 1: Clinical cytology Matthias Wiebel (Heidelberg, Germany)	**4425**

	Workstation 2: Histology Erik Thunnissen (Amsterdam, Netherlands)	**4426**
	Workstation 3: Sputum collection Patrizia Pignatti (Pavia, Italy)	**4427**
	Workstation 4: Analysis of BAL fluids Christian M. Kaehler (Innsbruck, Austria)	**4428**

Room G110 Session 443 13:00 - 14:00

Registration for this session is additional to the congress registration fee and is €85.

Meet the expert: ME8 Effect of air travel and altitude in patients with respiratory conditions (€85)

Focussing on COPD

Aims : To review current air travel guidelines for COPD patients, the use of pre-flight tests and the availability of in-flight oxygen

Tag(s) : Clinical

Target audience : Pulmonologists, nurses, and respiratory technologists.

Chairs :

13:00	**Effect of air travel and altitude in patients with respiratory conditions** Konrad E. Bloch (Zurich, Switzerland)	**4403**
13:40	**Case presentation: participants - to submit your cases please contact programme@ersnet.org**	**4404**

Room G104-105 Session 441 13:00 - 14:00

This course is fully booked. Please contact ers2015registration@kit-group.org to be added to the waiting list.

Meet the expert: ME9 Management of non-tuberculous mycobacterial (NTM) infections (€85)

Aims : To provide updated information on the management of NTM disease.

Track(s) : Infection

Target audience : Pulmonologists, intensivists, emergency medicine doctors, nurses, respiratory physicians, and clinical researchers.

Chairs :

13:00	**Management of nontuberculous mycobacterial infections** Christoph Lange (Borstel, Germany)	**4401**

Room G109 Session 442 13:00 - 14:00

Registration for this session is additional to the congress registration fee and is €85.

Meet the expert: ME10 Paediatric lung function tests reference values (€85)

Aims : To review the key points regarding the use of appropriate reference values for lung function testing in children and their correct interpretation. The session will focus on both spirometry and the reference values for lung function techniques in preschool children.

Track(s) : Paediatric

Tag(s) : Clinical

Target audience : Caretakers who use lung function testing to manage paediatric patients, paediatric pulmonologists, paediatric nurses, and paediatric lung function technicians.

Chairs :

13:00	**Paediatric lung function tests reference values: appropriateness and interpretation** Sanja Stanojevic (Toronto, Canada)	**4402**

Room G111 Session 444 13:00 - 14:00

Registration for this workshop is additional to the congress registration fee and is €85 or €65 for the early bird registration.

Meet the expert: ME11 Research methodology and data analysis (€85)

Aims : To review the different methodological procedures in scientific studies and to explain the statistical procedures that can be used to analyse the data of scientific studies.

Tag(s) : Translational

Target audience : Pulmonologists, thoracic surgeons, nurses, paediatricians, and clinical researchers.

Chairs :

13:00	**Research methodology and data analysis** H. Marike Boezen (Groningen, Netherlands)	**4405**

Room Auditorium Session 355 08:30 - 10:30

Session: Live pulmonary endoscopy

Lung cancer

Aims : In a pulmonary practice, the diagnostic work-up of patients with suspected lung cancer is important and involves a large number of patients. Endosonography (EBUS and EUS) is an important tool for mediastinal staging. The techniques that will be demonstrated are bronchoscopy, TBNA, EBUS, EUS (B), EUS, and radial EBUS.

Track(s) : Oncology

Tag(s) : Clinical

Target audience : General pulmonologists and residents

Chairs : Felix J.F. Herth (Heidelberg, Germany), Christophe Dooms (Leuven, Belgium)

	Patient advocate (AMC) Olga C.J. Schuurbiers (Nijmegen, Netherlands), Erik H.F.M. van der Heijden (Nijmegen, Netherlands)	**3214**
	EBUS and EUS-B Jouke T. Annema (Amsterdam, Netherlands), Bin Hwangbo (Goyang, Republic of Korea)	**3216**
	EUS-FNA (linear) Artur Szlubowski (Krakow, Poland), Paul Frost Clementsen (Copenhagen, Denmark)	**3217**
	Bronchoscopy with TBNA Stefano Gasparini (Ancona, AN, Italy), Semra Bilaceroglu (Izmir, Turkey)	**3218**
	EBUS (radial) Ralf Eberhardt (Heidelberg, Germany), Maren Schuhmann (Heidelberg, Germany)	**3219**
	EBUS-TBNA (linear) Pallav L Shah (London, United Kingdom), Laurence M.M.J. Crombag (Amsterdam, Netherlands)	**3220**
08:30	**Live pulmonary endoscopy: welcome and opening remarks** Marcel Levi (Amsterdam, Netherlands)	**3213**
08:35	**Opening lecture: Endoscopic techniques for the diagnosis and staging of lung cancer** Felix J.F. Herth (Heidelberg, Germany)	**3215**
10:05	**Lung cancer: live procedure question and answer session** Felix J.F. Herth (Heidelberg, Germany), Christophe Dooms (Leuven, Belgium)	**3221**
10:15	**Concluding lecture: Position of endoscopy in lung cancer staging algorithms** Christophe Dooms (Leuven, Belgium)	**3222**

Room Auditorium Session 379 10:45 - 12:45

Session: Live pulmonary endoscopy

Interstitial and pleural diseases

Aims : Interstitial lung diseases constitute a significant part of the workload of pulmonologists. Sarcoidosis is the most prevalent interstitial lung disease and tissue confirmation is often needed. Novel endoscopic techniques that yield peripheral lung tissue are available. The techniques that will be demonstrated are bronchoscopy with BAL, cryobiopsies, EBUS, and EUS (B). Malignant and infectious/inflammatory diseases are often associated with pleural diseases. Thoracoscopy is the standard technique for diagnosing pleural diseases. The techniques that will be demonstrated are flexible and rigid thoracoscopy.

Tag(s) : Clinical

Chairs : Venerino Poletti (Forli, Italy), Najib M. Rahman (Oxford, United Kingdom)

	Patient advocate (AMC) Erik H.F.M. van der Heijden (Nijmegen, Netherlands), Olga C.J. Schuurbiers (Nijmegen, Netherlands)	**3447**
	Bronchoscopy, BAL, and cryobiopsy Juergen Hetzel (Dusslingen, Germany), Johannes M.A. Daniels (Amsterdam, Netherlands)	**3448**
	EBUS-TBNA Rocco Trisolini (Bologna, Italy), Stefano Gasparini (Ancona, AN, Italy)	**3449**

	EUS-B Masahide Oki (Nagoya, Japan), Jouke T. Annema (Amsterdam, Netherlands)	**3450**
	Rigid thoracoscopy Julius P. Janssen (Nijmegen, Netherlands), Marios E. Froudarakis (Alexandroupolis, Greece)	**3451**
	Flexible thoracoscopy Ales Rozman (Golnik, Slovenia), Mohammed Munavvar (Preston, United Kingdom)	**3452**
10:45	**Opening lecture: Endoscopy for sarcoidosis and ILD** Venerino Poletti (Forli, Italy)	**3446**
12:20	**Interstitial and pleural diseases: live procedure question and answer session** Venerino Poletti (Forli, Italy), Najib M. Rahman (Oxford, United Kingdom)	**3453**
12:30	**Concluding lecture: Role of thoracoscopy in pleural diseases** Najib M. Rahman (Oxford, United Kingdom)	**3454**

Room Auditorium Session 436 13:00 - 14:30

Session: Live pulmonary endoscopy

Emphysema and severe asthma

Aims : Endoscopic lung volume reduction (ELVR) for severe emphysema and bronchial thermoplasty for severe asthma are new treatment possibilities for patients with obstructive lung diseases. The techniques that will be demonstrated are endobronchial valve Chartis measurements, endobronchial coils, and bronchial thermoplasty.

Tag(s) : Clinical

Target audience : General pulmonologists and residents.

Chairs : Pallav L Shah (London, United Kingdom), Arschang Valipour (Vienna, Austria)

	Patient advocate (AMC) Therese Lapperre (Singapore, Singapore)	**4380**
	Patient advocate (UMCG) Nicolaas H.T. ten Hacken (Groningen, Netherlands)	**4381**
	Endobronchial coils Dirk-Jan Slebos (Groningen, Netherlands), Frank Sciurba (Pittsburgh, United States of America)	**4382**
	Bronchial thermoplasty Gerard P. Cox (Hamilton, Canada), Peter I. Bonta (Amsterdam, Netherlands)	**4383**
	Endobronchial valves and Chartis measurement Dirk-Jan Slebos (Groningen, Netherlands), Frank Sciurba (Pittsburgh, United States of America)	**4384**
13:00	**Opening lecture: endoscopic therapies for emphysema and asthma** Arschang Valipour (Vienna, Austria)	**4379**
14:00	**Emphysema and severe asthma: question and answer session** Arschang Valipour (Vienna, Austria), Pallav L Shah (London, United Kingdom)	**4385**
14:15	**Concluding lecture: Which patient should I refer for ELVR/BT?** Pallav L Shah (London, United Kingdom)	**4386**

Room Auditorium Session 452 14:45 - 16:45

Session: Live pulmonary endoscopy

Transthoracic ultrasound

Aims : Transthoracic ultrasound is a helpful tool for investigating clinical problems such as suspected pleural fluid, white hemithorax, atelectasis, empyema, and diaphragm function problems. This session will demonstrate some of the most common investigations that are performed such as: pleural effusion, white hemithorax, empyema, peripheral located lung tumor, mesothelioma.

Tag(s) : Clinical

Target audience : General pulmonologists and residents.

Chairs : Fergus Gleeson (Oxford, United Kingdom), Rahul Bhatnagar (Bristol, United Kingdom)

	Patient advocate (AMC) Therese Lapperre (Singapore, Singapore)	**4434**

	Case 1 Ioannis Psallidas (Oxford, United Kingdom), Speaker to be confirmed	**4435**
	Case 2 Najib M. Rahman (Oxford, United Kingdom), John Wrightson (Oxford, United Kingdom)	**4436**
	Case 3 Jouke T. Annema (Amsterdam, Netherlands), Speaker to be confirmed	**4437**
	Case 4 Ioannis Psallidas (Oxford, United Kingdom), Speaker to be confirmed	**4438**
	Case 5 John Wrightson (Oxford, United Kingdom), Najib M. Rahman (Oxford, United Kingdom)	**4439**
14:45	**Transthoracic ultrasound: technical aspects and artefacts** Fergus Gleeson (Oxford, United Kingdom)	**4433**
16:20	**Transthoracic ultrasound: question and answer session** Fergus Gleeson (Oxford, United Kingdom), Rahul Bhatnagar (Bristol, United Kingdom)	**4440**
16:30	**Transthoracic ultrasound in clinical practice** Rahul Bhatnagar (Bristol, United Kingdom)	**4441**

Room 2.1 Session 346 07:00 - 08:15

How to: Review articles and abstracts

Aims : To establish a best practice guide to assessing critical aspects of scientific papers such as ethics, originality and structure and to evaluate different approaches to giving constructive and valuable feedback.

Target audience : Pulmonologists, respiratory therapists, respiratory physicians, intensivists, pathologists, radiologists, basic scientists and clinical researchers.

Chairs : Wisia Wedzicha (London, United Kingdom)

07:00	**Introduction**	**3174**
07:10	**How to assess central aspects of a scientific paper (ethics, originality, structure)** Marcos I. Restrepo (San Antonio, United States of America)	**3175**
07:35	**How to give constructive feedback** Marc Humbert (Paris, France)	**3176**
08:00	**Discussion**	**3177**

Room Emerald Session 347 07:00 - 08:15

How to: Work with the EU funding system

Aims : To gain an understanding of the funding system of the EU, especially Horizon 2020, and how to facilitate positive outcomes from grant applications.

Target audience : Pulmonologists, respiratory therapists, respiratory physicians, general practitioners, intensivists, basic scientists, clinical researchers, research fellows, pathologists, radiologists, and trainees.

Chairs : Martina Sester (Homburg, Germany)

07:00	**Introduction**	**3178**
07:10	**How to identify available types of funding** Daniela Maria Cirillo (Milan, Italy)	**3179**
07:35	**How to get your funding application accepted** Matthias Griese (Munich, Germany)	**3180**
08:00	**Discussion**	**3181**

07:00-08:15
INDUSTRY EARLY MORNING SYMPOSIUM SEE PAGE 331

Room 7.1 Session 354 08:30 - 10:30

Year in review: In paediatrics

From airways to sleep disorders

Aims : To update the audience in four topics in paediatric respiratory medicine. The most recent and significant literature and developments relating to these topics will be highlighted.

Track(s) : Paediatric

Tag(s) : Clinical

Target audience : Paediatricians and other clinically active clinicians, GPs, and health professionals.

Chairs : Jonathan Grigg (London, United Kingdom), Fabio Midulla (Rome, Italy)

08:30	**The paediatric airways** Ernst Eber (Graz, Austria)	**3209**
09:00	**Paediatric respiratory infection** Mark Everard (Perth, Australia)	**3210**
09:30	**Asthma in childhood** Fernando Maria De Benedictis (Ancona, Italy)	**3211**
10:00	**Sleep-disordered breathing in childhood** Refika Hamutcu Ersu (Istanbul, Turkey)	**3212**

Room 7.2 Session 356 08:30 - 10:30

Symposium: Basics in physiology

Aims : To describe the main principles underlying gas exchange, blood perfusion, and pulmonary haemodynamics.

Track(s) : Physiology

Tag(s) : Basic

Target audience : Clinicians, physiologists, and basic scientists.

Chairs : Robert Naeije (BRUSSELS, Belgium), Anton Vonk Noordegraaf (Amsterdam, Netherlands)

08:30	**Control of ventilation** Jerome Dempsey (Madison, United States of America)	**3223**
09:00	**Pulmonary haemodynamics and the right ventricle** Nico Westerhof (Amsterdam, Netherlands)	**3224**
09:30	**Exercise testing** Susan Ward (Crickhowell, United Kingdom)	**3225**
10:00	**Gas exchange: general principles and compensatory mechanisms** John Michael B. Hughes (London, United Kingdom)	**3226**

Room Elicium 2 Session 357 08:30 - 10:30

Symposium: Non-small cell lung cancer (NSCLC): sequence, timing, and modality of multi-line therapies

Aims : Most lung cancer patients must undergo a second-line therapy. A substantial number will also undergo third, fourth, and further lines of therapy. While first-line therapies are well supported by scientific evidence, there are far fewer well-designed clinical trials that support the use of second-line and especially further line therapies. Moreover, there are little data available that helps the clinician to reliably select the sequence, timing, and modality of multi-line therapies. This symposium focuses on various aspects of multi-line therapies in clinical practice in terms of treatment response, symptom control, and quality of life.

Track(s) : Oncology

Tag(s) : Translational

Target audience : Researchers who are interested in medical oncology, clinical scientists, clinicians with an interest in the molecular basis of thoracic malignancies, and all specialists involved in the diagnostic and therapeutic management of lung cancer.

Chairs : Nicolas Schönfeld (Berlin, Germany), Fernando Gamarra (Straubing, Germany)

08:30	**Radiation therapy in oligometastatic lung cancer: upfront or on demand?**	**3227**
09:00	**The art of maintaining a clinical meaningful response: number of treatment cycles and when to use maintenance therapy rather than instituting early next line therapy**	**3228**

09:30	**Tyrosine kinase inhibitors beyond progression: never, intercalating or forever?** Rainer G. Wiewrodt (Münster, Germany)	**3229**
10:00	**Combating acquired resistance: are rebiopsies needed for guiding multi-line therapies?** Pascale Tomasini (Marseille, France)	**3230**

Room 4.2 Session 358 08:30 - 10:30

Symposium: Lung cancer screening: how to implement a comprehensive preventive approach

Aims : To describe and present the techniques and potential algorithms, based on the available evidence, and tentatively discuss the implementation of these algorithms.

Track(s) : Oncology

Tag(s) : Clinical

Target audience : Clinicians, pulmonologists, surgeons, oncologists, GPs, residents, and fellows.

Chairs : Mina Gaga (Athens, Greece), Cornelia Schaefer-Prokop (Amersfoort, Netherlands)

08:30	**Patient's perspective** Cilia Linssen (Haarlem, Netherlands)	**3231**
08:42	**Lung cancer: the global burden of the disease** Jean-Paul Sculier (Brussels, Belgium)	**3232**
09:09	**Current evidence from lung cancer-screening trials that include computed tomography** Matthias Prokop (Nijmegen, Netherlands)	**3233**
09:36	**Diagnostic approaches to lesions found during CT screening** Nicolas Kahn (Heidelberg, Germany)	**3234**
10:03	**Lung cancer screening: the critical review** Hans Hoffmann (Heidelberg, Germany)	**3235**

Room 5.2 Session 359 08:30 - 10:30

Symposium: ERS Task Forces and Guidelines: procedures, methodology and publication including publication in ERJ, ERR, and ERJ Open Research

Aims : To provide insights into the ERS procedures and methodology that are used to develop guidelines and consensus statements, illustrate the role of journals (in particular those within the ERS portfolio) in publishing this information and update the audience regarding the major recent task forces/guidelines in pulmonary hypertension, field walking tests in chronic respiratory disease, idiopathic pulmonary fibrosis, and bronchiolitis obliterans syndrome.

Tag(s) : Clinical

Target audience : Respiratory clinicians, nurses, educators, and students.

Chairs : Anh Tuan Dinh-Xuan (Paris, France), Marc Humbert (Paris, France)

08:30	**ERS Statement: Diagnosis and treatment of primary spontaneous pneumothorax** Jean-Marie Tschopp (Crans-Montana, Switzerland)	**3236**
08:54	**ERS/ATS Technical Standard: Field walking tests in chronic respiratory disease** Sally J. Singh (Leicester, United Kingdom)	**3237**
09:18	**ERS Statement: Idiopathic pulmonary fibrosis** Katerina Antoniou (Heraklion, Greece)	**3238**
09:42	**ERS/ISHLT/ATS Clinical Practice Guidelines: Diagnosis and management of bronchiolitis obliterans syndrome** Allan Glanville (Sydney, Australia)	**3239**
10:06	**ATS/ERS Statement: Interstitial Pneumonia with Autoimmune Features** Vincent Cottin (Lyon, France)	**3240**

Room Elicium 1 Session 360 08:30 - 10:30

Symposium: Microbial impacts at different human ages
Our microbiota and respiratory disease

Aims : This session will present the importance and implications of the microbiome; how changes to the gut microbiome influence the lung; and how different types of host-microbe interactions may shape human health at different ages.

Track(s) : Infection

Tag(s) : Basic

Target audience : General clinicians, basic researchers and epidemiologists.

Chairs : Sejal Saglani (London, United Kingdom), Holger Garn (Marburg, Germany)

08:30	**Implications of host-microbe interactions early in life for the development of respiratory disease** Marie-Claire Arrieta (Vancouver, Canada)	**3241**
09:00	**The characteristics and function of the microbiota in old age** Yvone Huang (Ann Arbor, United States of America)	**3242**
09:30	**Implications of the microbiome and mycobiome in cystic fibrosis** Gaudenz Hafen (Belmont-sur-Lausanne, Switzerland)	**3243**
10:00	**Host-microbe interactions in lung transplantation** Eric Bernasconi (Lausanne, Switzerland)	**3244**

Room Forum Session 361 08:30 - 10:30

Oral presentation: Prognostic factors in pneumonia: from clinical observations to experimental models

Chairs : Carlos M. Luna (Buenos Aires, Argentina), Eva Polverino (Barcelona, Spain)

OA3245	**Streptococcus pneumoniae infection is an independent cause of cardiac rhythm alteration in community-acquired pneumonia** Francisco Sanz Herrero (Quart de Poblet (Valencia), Spain), Francisco Sanz, Marcos Restrepo, Estrella Fernández-Fabrellas, Eusebi Chiner, María Luisa Briones, María Carmen Aguar, Rubén Lera, ángela Cervera, José Blanquer
OA3246	**Distinguishing features of pneumonia and exacerbations in COPD** Nicholas Williams (Romsey, United Kingdom), Nicholas Williams, Karl J. Staples, Kris Ostridge, Victoria Kim, Malwina M. Wojtas, Stephen Harden, Emmanuel Aris, Mathieu Peeters, Jeanne-Marie Devaster, Simon Bourne, Tom Wilkinson
OA3247	**Biomarkers for oxidative stress in patients with community-acquired pneumonia** Vilen Molotov-Luchanskiy (Karaganda, Kazakhstan), Vilen Molotov-Luchanskiy, Larissa Muravyova, Ryszhan Bakirova, Dmitriy Klyuyev, Lyudmila Demidchik, Yevgenia Kolesnikova
OA3248	**Exhaled breath: Non-invasive diagnosis of ventilator-associated pneumonia** Rianne Fijten (Elsloo LB, Netherlands), Rianne Fijten, Ronny Schnabel, Agnieszka Smolinska, Jan Dallinga, Marie-Louise Boumans, Ellen Stobberingh, Agnes Boots, Paul Roekaerts, Dennis Bergmans, Frederik-Jan Van Schooten
OA3249	**Lung function prior to stem cell transplant as a predictor of infectious and pulmonary complications and survival in adults with haematologic malignancies** Simone Scarlata (Rome, Italy), Simone Scarlata, Ombretta Annibali, Simona Santangelo, Francesca Chiodi, Silvia Ferraro, Anna Zito, Maria Cristina Tirindelli, Giuseppe Avvisati, Raffaele Antonelli Incalzi
OA3250	**Respiratory function as predictor for pneumonia in individuals with spinal cord injury?** Anja Raab (Lucerne, Switzerland), Anja Raab, Franz Michel, Claudio Perret, Maria T.E. Hopman, Gabi Müller
OA3251	**Characterization of pulmonary function and mechanics in a novel model of pneumococcal pneumonia** Rosanel Amaro Rodriguez (Barcelona, Spain), Rosanel Amaro, Gianluigi Li Bassi, Elisabet Aguilera-Xiol, Chiara Chiurazzi, Chiara Travierso, Montserrat Rigol, Laia Fernandez, Anna Motos, Marcus Schultz, Marco Carbonara, Joan Daniel Marti, María Adela Saco, Taitha Comaru, Jacobo Sellarés, José Ramirez, Francesc Marco, Antoni Torres

Room 5.1 Session 362 08:30 - 10:30

Oral presentation: Novel targets and strategies for the treatment of cough, asthma, rhinosinusitis and COPD

Chairs : Paul Kirkham (Wolverhampton, United Kingdom), Reinoud Gosens (Groningen, Netherlands)

OA3252	**TRPV4 and activation of airway sensory nerves: The role of ATP** Sara Bonvini (London, United Kingdom), Sara Bonvini, Mark Birrell, Megan Grace, Sarah Maher, John Adcock, Michael Wortley, Eric Dubuis, Yee-Man Ching, Anthony Ford, Fisnik Shala, Montserrat Miralpiex, Gema Tarrason, Jaclyn Smith, Maria Belvisi
OA3253	**Activation of TRPV4 triggers ATP release and mast cell dependent contraction of airway smooth muscle (ASM)** Sara Bonvini (London, United Kingdom), Sara Bonvini, Mark Birrell, Eric Dubuis, John Adcock, Victoria Jones, Pauline Flajolet, Sepideh Poushpas, Mengqi Wang, S. Mark Duffy, Peter Bradding, Kevin Langley, Maria Belvisi

OA3254	**Beneficial effects of menthol are mediated via a TRPM8-independent mechanism** Sarah Maher (London, United Kingdom), Sarah Maher, Mark Birrell, Sara Bonvini, Michael Wortley, Eric Dubuis, Fisnik Shala, Victoria Jones, Pauline Flajolet, Yulia Negreskul, Zelie Britton, Lana Hebib, Maria Belvisi
OA3255	**Effectiveness of 15-deoxy-delta-$^{12\text{-}14}$-prostaglandin J_2 on established asthma pathological changes triggered by house dust mite in mice** Diego Coutinho (Rio de Janeiro, Brazil), Diego De Sa Coutinho, Edna Alves dos Anjos Valotta, Patricia Machado Rodrigues e Silva, Marco Aurelio Martins
OA3256	**Discovery of PRS-060, an inhalable CD123/IL4Ra/TH2 blocking anti-asthmatic anticalin protein re-engineered from endogenous lipocalin-1** Gary P. Anderson (Parkville, Australia), Gary P. Anderson, Andreas Hohlbaum, Kristian Jensen, Alexandra Bähre, Hendrik Gille
OA3257	**MUC4 overexpression correlates corticoid resistance in chronic rhinosinusitis with nasal polyps** Sonia Contreras (Valencia, Spain), Sonia Contreras, Adela Serrano, Lucia Díaz, Beatriz Ballester, Pilar Bañuls, Javier Milara
OA3258	**CompEx – A novel composite asthma exacerbation endpoint** Anne Fuhlbrigge (Boston, United States of America), Anne Fuhlbrigge, Thomas Bengtsson, Stefan Peterson, Alexandra Jauhiainen, Malin Fageras
OA3259	**Prescribed doses and effect on asthma treatment outcomes of extrafine (ciclesonide) vs standard particle inhaled corticosteroids (ICS)** David Price (Aberdeen, United Kingdom), David Price, Daniela Van Eickels, Matthias Binek, Mona Khalid, Ron M.C. Herings, Jetty Overbeek, Richard Dekhuijzen, Thys Van der Molen, Wim Van Aalderen, Gene Colice, Theresa Guilbert, Eliot Israel, Richard Martin, Dirkje Postma, Nicolas Roche, Vicky Thomas, Cristiana Miglio

Room 13.1 Session 363 08:30 - 10:30

Oral presentation: Acute critical care: news from the ICU

Chairs : Antonio Artigas (Sabadell (Barcelona), Spain), Sabrine Hemmes (Amsterdam, Netherlands)

OA3260	**LATE-BREAKING ABSTRACT: Automated oxygen titration in patients with acute respiratory distress at the emergency department. An international randomized controlled study. PHRC national 2010 freeO2 hypox #08-12** Erwan L'Her (Brest, France), Erwan L'Her, Erwan L'Her, Patricia Dias, Maellenn Gouillou, Nicolas Paleiron, Patrick Archambault, Pierre-Alexandre Bouchard, Francois Lellouche
OA3261	**Hypercapnia as a marker of ICU admission and prolonged hospitalization in patients with community-acquired pneumonia** Nousheen Iqbal (Karachi, Pakistan), Nousheen Iqbal, Muhammad Irfan, Javaid A. Khan, Safia Awan
OA3262	**Is restricted transfusion approach in the ICU appropriate also for COPD exacerbations?** Begüm Ergan (Izmir, Turkey), Begum Ergan, Recai Ergun
OA3263	**Effectiveness of a biofeedback intervention toward weaning the difficult-to-wean MV patients** CHING-I LI (Taipei, Taiwan), Ching-I. Li, Yu-Ju Chen, I-Chen Lin, Shing-Shan Guo
OA3264	**Diaphragm ultrasound as a novel guide of weaning from invasive ventilation** Gamal Agmy (Assiut, Egypt), Gamal Agmy, Samiaa Hamdy, Sherin Farghally
OA3265	**Neuromuscular electrical stimulation in mechanically ventilated polytrauma patients: A strategy to minimize musculoskeletal dysfunction** Luciana Vieira (Brasilia, Brazil), Luciana Vieira, Gerson Cipriano Jr, Paulo Eugenio Silva, Vinicius Silva, Priscilla Melo, Joao Durigan, Larissa Vieira, Natalia Lucilia, Andre Xavier, Hedian Gomes
OA3266	**ICU-acquired pneumonia and PaO_2/F_IO_2 value accuracy: A new paradigm?** Telma Chantal Almeida Sequeira (Carnaxide, Portugal), Telma Sequeira, Chiara Chiurazzi, Miquel Ferrer, Chiara Travierso, Mariano Rinaudo, Gianluigi Li Bassi, Antoni Torres
OA3267	**Effect of corticosteroids on treatment failure among hospitalized patients with severe community-acquired pneumonia and high inflammatory response: A randomized clinical trial** Antoni Torres Marti (Barcelona, Spain), Antoni Torres, Oriol Sibila, Miquel Ferrer, Rosario Mendendez, Josep Mensa, Albert Gabarrus, Jacobo Sellares, Marcos Restrepo, Antonio Anzueto, Nichael Niederman, Carlos Agusti, Eva Polverino

Room 2.1 Session 364 08:30 - 10:30

Oral presentation: Predictors of lung transplant complications

Chairs : Geert Verleden (Leuven, Belgium), Andrew Fisher (Newcastle, United Kingdom)

OA3268	**LATE-BREAKING ABSTRACT: Prospective randomised pilot study to investigate the clinical effect of orally inhaled AP301 on treatment of primary graft dysfunction (PGD) in patients after primary lung transplantation (LuTX)** Clemens Aigner (Vienna, Austria), Clemens Aigner, Alexis Slama, Maximilian Barta, Andreas Mitterbauer, György Lang, Shahrokh Taghavi, Jose Matilla, Roman Ullrich, Katharina Krenn, Peter Jaksch, Klaus Markstaller, Walter Klepetko
OA3269	**Alveolar macrophages and pulmonary microbiota are interconnected indicators of lung ecology post-transplantation** Eric Bernasconi (Lausanne, Switzerland), Eric Bernasconi, Angela Koutsokera, Celine Pattaroni, Berutto Carine, Boubou Camara, Benjamin J. Marsland, Christian Benden, Christophe Pison, John-David Aubert, Laurent P. Nicod, SysCLAD FP7 Consortium
OA3270	**The impact of long-term air pollution and traffic on outcome after lung transplantation in Europe** David Ruttens (Leuven, Belgium), David Ruttens, Stijn Verleden, Esmee Bijnens, Ellen Winckelmans, Jens Gottlieb, Gregor Warnecke, Federica Meloni, Monica Morosini, Davide Piloni, Wim Van der Bij, Erik Verschuuren, Gerhard Weinreich, Markus Kamler, Urte Sommerwerck, Antonio Roman, Susana Gomez-Olles, Cristina Berastegui, Christian Benden, Are Holm, Martin Iversen, Hans-Henrik Schultz, Bart Luijk, Erik-Jan Oudijk, Diane Van Kessel, Johanna Kwakkel-van-Erp, Peter Jaksch, Walter Klepetko, Nikolaus Kneidinger, Claus Neurohr, Paul Corris, Andy Fisher, Gerard Meachery, Jim Lordan, Elly Vandermeulen, Hannelore Bellon, Barbara Hoffmann, Kees De Hoogh, Danielle Vienneau, Gerard Hoek, Benoit Nemery, Geert Verleden, Robin Vos, Tim Nawrot, Bart Vanaudenaerde
OA3271	**A multi-omics data integration approach to identify a predictive molecular signature of CLAD** Johann Pellet (Lyon, France), Johann Pellet, Diane Lefaudeux, Pierre-Joseph Royer, Angela Koutsokera, Sandrine Bourgoin-Voillard, Markus Schmitt, Candice Trocme, Johanna Claustre, Andreas Fritz, Michel Seve, Antoine Magnan, Christophe Pison, Laurent Nicod, Charles Auffray, On Behalf of the SysCLAD Consortium
OA3272	**Role of 18^{F}-FDG PET in Restrictive Allograft Syndrome after lung transplantation** Robin Vos (Lummen, Belgium), Robin Vos, Stijn Verleden, Elly Vandermeulen, David Ruttens, Hannelore Bellon, Jonas Yserbyt, Lieven Dupont, Dirk Van Raemdonck, Olivier Gheysens, Nathalie De Raedt, Geert Verleden, Bart Vanaudenaerde
OA3273	**HNP and CCSP protein levels are differentially regulated in BAL from patients with obstructive and restrictive chronic allograft dysfunctions** Natalia Smirnova (Munich, Germany), Natalia Smirnova, Claus Neurohr, Oliver Eickelberg, Jürgen Behr, Nikolaus Kneidinger
OA3274	**Determining factors for bronchial healing in lung transplantation** Anne Olland (Strasbourg, France), Anne Olland, Jospeh Seitlinger, Sandrine Hirschi, Jérémie Reeb, Stéphane Renaud, Olivier Collange, Anne Roche, Matthieu Zappatera, Nicola Santelmo, Tristan Degot, Pierre-Emmanuel Falcoz, Romain Kessler, Gilbert Massard
OA3275	**A mechanistic study on the effect of azithromycin on T helper-17 cells** Elly Vandermeulen (Leuven, Belgium), Elly Vandermeulen, Jana Somers, Hannelore Bellon, Stijn Verleden, David Ruttens, Philippe Lemaître, Robin Vos, Geert Verleden, Bart Vanaudenaerde

Room 4.1 Session 365 08:30 - 10:30

Oral presentation: Tele-rehabilitation in chronic lung diseases

Chairs : Nicolino Ambrosino (Volterra, Italy), Thierry Troosters (Leuven, Belgium)

OA3276	**Short-term telemonitoring program after hospital discharge for COPD exacerbation: Greek pilot of the renewing health multicenter randomized trial** Eirini Stafyla (Larissa, Greece), Theodora Kerenidi, Eirini Stafyla, George Dafoulas, Haralabos Giannakakos, Maria Pinaka, Eleni Karetsi, Panagiotis Stafylas, Kiriaki Theodorou, Petros Pexlivanoglou, Fenia Mavrodi, Vasileios Aletras, Konstantinos Gourgoulianis
OA3277	**Telemonitoring of cycle home exercise in patients with COPD** Karl-Josef Franke (Hagen, Germany), Karl-Josef Franke, Ulrike Domanski, Maik Schroeder, Volker Jansen, Georg Nilius
OA3278	**Wearable smart technology for monitoring COPD with co-morbidities – Patients' perceptions** Reem Kayyali (Kingston-upon-Thames, United Kingdom), Reem Kayyali, Roshan Siva, Evangelos Kaimakamis, Martijn A. Spruit, Anouk Vaes, John Chang, Richard Costello, Nikki Davies, Nada Philip, Barbara Pierscionek, Eleni Perantoni, Rita Paradiso, Andreas Raptopoulos, Shereen Nabhani-Gebara
OA3279	**Long-term exercise maintenance in COPD via telerehabilitation: Effects from a 2-year pilot study** Paolo Zanaboni (Tromsø, Norway), Paolo Zanaboni, Linda Aarøen Lien, Hanne Hoaas, Audhild Hjalmarsen, Richard Wootton
OA3280	**Use of the medical device NOWOX® to identify patterns of oxygen use in patients participating to the COPD management European trial (COMET)** Joelle Texereau (Paris, France), Jeanne Pigassou, Romain Kessler, Peter Haidl, Pere Casan, Silvia Tognella, Jose Luis Viejo, Dieter Koehler, Roberto Dal Negro, Jean Bourbeau, Joelle Texereau

OA3281 **An auto-titrating intelligent oxygen therapy (iO_2T) system in COPD patients: A randomised cross-over trial**
Mohammad Moghal (London, United Kingdom), Mohammad Moghal, Rishi Goburdhun, Nicholas Hopkinson, William Man, Mary Morrell, Robert Dickinson, Anita Simonds

OA3282 **Machine learning for COPD exacerbation prediction**
Cristobal Esteban Gonzelez (Bilbao (Bizkaia), Spain), Cristóbal Esteban, Javier Moraza, Cristóbal Esteban, Fernando Sancho, Myriam Aburto, Amaia Aramburu, Begona Goiria, Amaia Garcia-Loizaga, Alberto Capelastegui

OA3283 **Home-based telerehabilitation program using real-time monitoring and interactive exercise for patient with lung cancer: A feasibility study**
Valerie Coats (Quebec, Canada), Valerie Coats, Hélène Moffet, Sébastien Simard, Lise Tremblay, Lynda Fradette, François Maltais, Didier Saey

Room Emerald Session 366 08:30 - 10:30

Oral presentation: Diagnosing and management of COPD in primary care

Chairs : Bjorn Stallberg (Uppsala, Sweden), Mike Thomas (Southampton, United Kingdom)

OA3284 **LATE-BREAKING ABSTRACT: A novel approach for identifying patients with undiagnosed clinically-significant COPD**
David Mannino (Lexington, United States of America), Fernando Martinez, David M. Mannino, Nancy K. Leidy, Karen G. Malley, Elizabeth D. Bacci, R. Graham Barr, Russ P. Bowler, Meilan K. Han, Julia F. Houfek, Barry J. Make, Catherine A. Meldrum, Stephen Rennard, Byron M. Thomashow, John W. Walsh, Barbara P. Yawn

OA3285 **TargetCOPD: A pragmatic randomised controlled trial of targeted case finding for COPD versus routine practice in primary care**
Rachel Jordan (Birmingham, United Kingdom), Rachel Jordan, Peymane Adab, Alice Sitch, Alexandra Encoson, Sue Jowett, Deirdre Blissett, Jen Marsh, Richard Riley, Martin Miller, Brendan Cooper, Alice Turner, Jon Ayres, K.K. Cheng, Kate Jolly, Rob Stockley, Sheila Greenfield, Stan Siebert, Amanda Daley, David Fitzmaurice

OA3286 **Does registration of performance indicators improve health outcomes in COPD?**
Melinde Boland (Rotterdam, Netherlands), Melinde Boland, Apostolos Tsiachristas, Niels Chavannes, Maureen Rutten-van Mölken

OA3287 **Effectiveness of a physical exercise training programme COPD in primary care: A randomized controlled trial**
Annemieke Fastenau (Maastricht, Netherlands), Annemieke Fastenau, Onno Van Schayck, Bjorn Winkens, Rik Gosselink, Jean Muris

OA3288 **COPD over diagnosis in the UK**
Halima Buni (Birmingham, United Kingdom), Halima Buni, Rachel Jordan, Peymane Adab, Alexandra Enocson, Kar Keung Cheng

OA3289 **Cardiovascular status of patients with a severe form of COPD**
Barbora Novotná (Hradec Kralove, Czech Republic), Barbora Novotna, Vladimir Koblizek, Michal Svoboda, Jan Svancara, Karel Hejduk, Jiri Jarkovsky, Michal Kopecky, Rudolf Praus, Zuzana Zbozinkova, Marek Putinsky, Jaromir Zatloukal, Patricie Popelkova, Tomas Dvorak, Petr Safranek, Ondrej Sobotik, Alena Vlachova, Petr Vanik, Zuzana Liptakova, Lucie Heribanova, Blanka Snelerova, Pavlina Musilova, Maria Majerciakova, Tomas Vencalek, Eva Kocova, Onderj Kudela, Katerina Neumannova, Kristian Brat, Eva Volakova, Frantisek Salajka

OA3290 **Application of the COMCOLD comorbidity index to a UK primary care COPD cohort**
Mukesh Singh (Sutton Coldfield, United Kingdom), Mukesh Singh

OA3291 **COPD readmissions in an urban environment: Health service factors**
Timothy Harries (London, United Kingdom), Timothy Harries, Katherine Jackson, Patrick White

Room E104-106 Session 367 08:30 - 10:30

Poster discussion: Rehabilitation, exercise, hospitalisation and COPD

Chairs : Christian Osadnik (Melbourne, Australia), Rachael A Evans (Leicestershire, United Kingdom)

PA3292 **Tele-coaching to promote physical activity in patients with COPD: Evaluation by patients**
Heleen Demeyer (Halle, Belgium), Heleen Demeyer, Zafeiris Louvaris, Anja Frei, Corina De Jong, Matthias Loeckx, Gilbert Buesching, Sara Buttery, Maarten Spruyt, Rebecca Tanner, Noah Rubio, Elena Gimeno-Santos, Nick Hopkinson, Roberto Rabinovich, Michael Polkey, Judith Garcia-Aymerich, Iannis Vogiatzis, Thierry Troosters

PA3293 **Relationship between multidimensional disease severity and activities of daily living in patients with chronic obstructive pulmonary disease**
Deniz Inal Ince (Ankara, Turkey), Ebru Calik-Kutukcu, Hulya Arikan, Melda Saglam, Naciye Vardar-Yagli, Deniz Inal-Ince, Cigdem Oksuz, Sema Savci, Tulin Duger, Lutfi Coplu, Abdülsamet Sandal

PA3294 **The effects of walking prescription to promote physical activity in chronic obstructive pulmonary disease**
Shakila Perumal (Dublin, Ireland), Shakila Devi Perumal

PA3295 **Lack of understanding of COPD is associated with a higher physical activity level**
Rafaella Xavier (São Paulo, Brazil), Aline Costa Lopes, Rafaella Fagundes Xavier, Carolina Caporali, Adriana Claudia Lunardi, Regina Maria de Carvalho Pinto, Alberto Cukier, Celso Ricardo Fernandes De Carvalho

PA3296 **Effects of exercise training in water and on land in patients with COPD**
Josiane Felcar (Londrina, Brazil), Josiane Marques Felcar, Vanessa Suziane Probst, Débora Rafaelli De Carvalho, Myriam Fernanda Merli, Rafael B. Mesquita, Laís S. Vidotto, Laís Regina Garcia, Fabio Pitta

PA3297 **Effect of high-intensity physical training on balance of patients with COPD submitted to exercise in water and on land**
Débora Carvalho (Marilândia do Sul, Brazil), Débora Rafaelli De Carvalho, Larissa Araújo De Castro, Igor Lopes De Brito, Mayara Manzoni Marques Da Silva, Roberta Dos Santos, Josiane Marques Felcar, Rubens Alexandre Silva Jr., Fabio Pitta, Vanessa Suziane Probst

PA3298 **Bipedal postural control in severe COPD patients with bronchitic and emphysematic phenotype**
Kate ina Neumannová (Olomouc, Czech Republic), Katerina Neumannova, Vladimir Koblizek, Nicolas Vuillerme, Zdenek Svoboda, Vratislav Sedlak, Jaromir Zatloukal, Marek Plutinsky

PA3299 **Oxygen uptake, ventilation and symptoms during whole body vibration training in patients with severe COPD**
Rainer Gloeckl (Schoenau am Koenigssee, Germany), Rainer Gloeckl, Petra Richter, Sandra Winterkamp, Klaus Kenn

PA3300 **Is the whole body vibration able to improve functional capacity in patients with COPD? A meta-analysis**
Armele Dornelas de Andrade (Recife, Brazil), Adriane Cardim, Sóstynis Albuquerque, Maira Pessoa, Jasiel Frutuoso, Patricia Marinho, Armele Dornelas de Andrade

PA3301 **Effect of upper extremity strength training on respiratory and peripheral muscle strength, arm exercise capacity, activities of daily living and occupational performance in patients with chronic obstructive pulmonary disease**
Ebru Çalik Kütükcü (Ankara, Turkey), Hulya Arikan, Ebru Calik-Kutukcu, Melda Saglam, Naciye Vardar-Yagli, Cigdem Oksuz, Deniz Inal-Ince, Tulin Duger, Sema Savci, Lutfi Coplu

PA3302 **Acute effects of pursed-lips breathing on chest wall volumes and diaphragm mobility in COPD patients - Cross over study**
Vanessa Resqueti Fregonezi (Natal- Rio Grande do Norte, Brazil), Vanessa Resqueti, Marcelly Florenço de Barros, Adriane Borba Cardim, Rosália Maria Pinheiro Souza, Shirley Lima Campos, Guilherme Fregonezi, Armele de Fátima Dornelas de Andrade

PA3303 **Periodized resistence training in COPD: Effects on mucociliary clearance and dyspnea**
Gabriel Brígida (Presidente Prudente, Brazil), Fabiano Lima, Dionei Ramos, Bruna Silva, Giovanna Arévalo, Ana Paula Freire, Juliana Uzeloto, Fernanda Rodrigues, Iara Trevisan, Gabriel Santa Brigida, Marceli Leite, Ercy Ramos

PA3304 **The late impact of hospitalization on the daily life physical activity level in patients of COPD**
Rafaella Xavier (São Paulo, Brazil), Rafaella Fagundes Xavier, Aline Costa Lopes, Carolina Caporali, Adriana Claudia Lunardi, Ercy Mara Cipulo Ramos, Rafael Stelmach, Celso Ricardo Fernandes De Carvalho

PA3305 **The impact of hospitalization for non-respiratory causes in the functionality of patients with COPD**
Patricia Lavoura (São Paulo, Brazil), Patricia Lavoura, Debora Meira, Deise Silva, José Curiati, Arnaldo Lichtenstein, Celso Carvalho, Clarice Tanaka

PA3306 **Impact of exacerbation of COPD on anxiety and depression symptoms and dyspnea in the activities of daily living**
Júlia Gianjoppe-Santos (São Carlos, Brazil), Julia Gianjoppe-Santos, Anna Claudia Sentanin, Marina S. Barusso, Fabíola P.G. Rizzatti, Mauricio Jamami, Valéria A. Pires Di Lorenzo

PA3307 **Changes in cognitive status during acute exacerbation of COPD**
Marie Carmen Valenza (Granada, Spain), Isabel Torres, Marie Carmen Valenza, Irene Torres-Sanchez, Irene Cabrera-Martos, Adelina Martin-Salvador

PA3308 **Changes in cognitive status across clinical stages in COPD**
Marie Carmen Valenza (Granada, Spain), Isabel Lopez-Torres, Marie Carmen Valenza, Silvia Merlos-Navarro, Irene Torres-Sanchez, Irene Cabrera-Martos

Room G102-103 Session 368 08:30 - 10:30

Poster discussion: Sarcoidosis: pathogenesis

Chairs : Paola Rottoli (Siena, Italy), Michael Kreuter (Heidelberg, Germany)

PA3309	**iNKT cells are inversely related to -glucan in BALF and granuloma formation in patients with sarcoidosis** Marjeta Tercelj-Zorman (Ljubljana, Slovenia), Marjeta Tercelj, Barbara Salobir, Matija Rijavec, Izidor Kern, Ragnar Rylander, Peter Korosec
PA3310	**Inhibited IL-17A ameliorates sarcoid-like granulomatosis in mice** Dingyuan Jiang (Beijing, China), Dingyuan Jiang, Jing Geng, Zheng Liu, Min Zhu, Xiaofen Zheng, Huaping Dai
PA3311	**Peripheral blood leukocyte immune responses are distinctly altered in sarcoidosis** Simon Fraser (Hull, United Kingdom), Simon Fraser, Laura Sadofsky, Simon Hart
PA3312	**Significant changes in monocyte subsets during infliximab therapy in severe sarcoidosis** Daniëlle Hijdra (Nieuwegein, Netherlands), Adriane Vorselaars, Daniëlle Hijdra, Heleen Crommelin, Coline Van Moorsel, Jan Grutters
PA3313	**Repeated boost with propionibacterium acnes induce pulmonary fibrosis following sarcoidosis in C57BL/6 mice** Dingyuan Jiang (Beijing, China), Dingyuan Jiang, Xiaoxi Huang, Jing Geng, Shuhong Li, Chen Wang, Huaping Dai
PA3314	**Specific activation of non-classical Th1 cells in pulmonary sarcoidosis** Caroline Broos (Rotterdam, Netherlands), Caroline Broos, Menno Van Nimwegen, Hans In ’t Veen, Jouke Annema, Roxane Heller, Henk Hoogsteden, Rudi Hendriks, Bernt Van den Blink, Mirjam Kool
PA3315	**Interferon gamma release assays based on M. tuberculosis-specific antigens (IGRAs) in sarcoidosis patients** Anna Kempisty (Warsaw, Poland), Anna Kempisty, Beata Bialas-Chromiec, Dagmara Borkowska, Jan Kus
PA3316	**Is the BTNL2 genotype associated with specific HLA-DRB1 and DRB3/4/5 alleles in Danish sarcoidosis patients?** Nils Milman (Virum, Denmark), Nils Milman, Thomas van Overeem Hansen, Michael Skov Jemsem
PA3317	**Lipidomics in sarcoidosis** Sabina Kostorz (Tarnowskie Góry, Poland), Dariusz Jastrzebski, Beata Toczylowska, Sabina Kostorz, Elzbieta Zieminska, Karolina Zieleznik, Dariusz Ziora, Jerzy Kozielski
PA3318	**Atopy in sarcoidosis a good prognostic sign?** Paul Minnis (Bangor, United Kingdom), Paul Minnis, Peter Riddel, David O’Dwyer, Paul Byrne, Seamas C. Donnelly
PA3319	**Serum and bronchoalveolar exosomal miRNAs in pulmonary sarcoidosis** Zdenka Navrátilová (Olomouc, Czech Republic), Zdenka Navratilova, Eva Novosadova, Dagmar Smitalova, Amit Kishore, Vitezsla Kolek, Martin Petrek
PA3320	**Scalp hair cortisol: A promising new biomarker for psychological wellbeing in patients with sarcoidosis?** Mirjam van Manen (Rotterdam, Netherlands), M.J.G. Van Manen, V.L. Wester, L.M. Van den Toorn, B. Van den Blink, Y.B. De Rijke, K.Y. Dorst, E.F.C. Van Rossum, M.S. Wijsenbeek
PA3321	**Determination of a single nucleotide polymorphism (SNP) of the TNFalpha-R1 region (TNFRSF1A) in patients with lung sarcoidosis: Preliminary results** Francesco Bonella (Düsseldorf, Germany), Francesco Bonella, Hung Tran, Dirk Theegarten, Josune Guzman, Ulrich Costabel
PA3322	**Leptin, inflammatory biomarkers and body composition in patients with sarcoidosis** Elzbieta Puscinska (Warszawa, Poland), Elzbieta Puscinska, Michal Bednarek, Anna Goljan-Geremek, Joanna Chorostowska-Wynimko, Ada Rozy, Paulina Jagus, Pawel Sliwinski, Dorota Górecka
PA3323	**Comparative role of serum cathepsin S concentrations for differential diagnosis of sarcoidosis from other lung diseases** Etsuro Yamaguchi (Nagakute, Aichi, Japan), Masaki Nishimura, Etsuro Yamaguchi, Nobuhiro Asai, Hiroyuki Tanaka, Ayumu Takahashi, Kenji Baba, Akihito Kubo
PA3324	**The effect of exercise on serum amyloid a levels in patients with sarcoidosis: A preliminary report** George Vavougios (Larissa, Greece), George Vavougios, Periklis Panagis, Eleni Karetsi, Ioannis Papanikolaou, Fotini Bardaka, Panagiotis Maragozidis, Vasileios Stavrous, Konstantinos Gourgoulianis, Zoe Daniil
PA3325	**Proinflammatory cytokine gene polymorphisms in the prediction of clinical course in sarcoidosis patients** Tatjana Radjenovic Petkovic (Nis, Republic of Serbia), Tatjana Radjenovic Petkovic, Tatjana Pejcic, Desa Nastasijevic Borovac, Ivana Stankovic, Tatjana Jevtovic Stoimenov
PA3326	**Different biopsy techniques for confirmation of sarcoidosis: The game for the best diagnostic yield is still open** Thomas Wessendorf (Essen, Germany), Thomas Wessendorf, Francesco Bonella, Dirk Theegarten, Kaid Darwiche, Marta Cuyás Cortadellas, Eda Börner, Ulrich Costabel

Room G104-105 Session 369 08:30 - 10:30

Poster discussion: TB treatment: new drugs and drug resistance

Chairs : Christoph Lange (Borstel, Germany), Raquel Almeida Ferreira Duarte Bessa Melo (Porto, Portugal)

PA3327	**Minimal inhibitory concentrations (MICs) of mefloquine: in vitro activity against MDR- and nonMDR-Tb strains** David Krieger (Berlin, Germany), David Krieger, Silvan Vesenbeckh, Nicolas Schönfeld, Gudrun Bettermann, Holger Rüssmann, Harald Mauch, Torsten Bauer
PA3328	**Efficacy of moxifloxacin in TB resistant to isoniazid** Mykhailo Kuzhko (Kiev, Ukraine), Mykhailo Kuzhko, Ljubomyr Procyk, Leonid Grechanyk, Nataliia Gulchuk, Oksana Avramchuk, Mykola Gumeniuk
PA3329	**Neuroleptic drugs as potential adjuvants in the treatment of MDR-TB: Minimal inhibitory concentrations (MICs) of different phenothiazines against M. tuberculosis** Silvan Vesenbeckh (Berlin, Germany), Silvan Vesenbeckh, David Krieger, Gudrun Bettermann, Nicolas Schönfeld, Holger Rüssmann, Harald Mauch, Torsten Bauer
PA3330	**Clofazimine for the treatment of multidrug-resistant tuberculosis: Prospective, multicenter, randomized controlled study in China** Shenjie Tang (Shanghai, China), Shenjie Tang, Lan Yao, Xiaohui Hao
PA3331	**Minimum inhibitory concentrations (MIC) determination of TB drugs and broad-spectrum antibiotics in M.tuberculosis with M/X/TDR** Sergejj Aleksandrovich Popov (Moscow, Russian Federation), Sergey Popov, Aleksey Kuzmin, Tamara Sabgayda, Nataly Vedenina
PA3332	**HIV co-infection excludes many drug-resistant tuberculosis patients from clinical trials with novel antituberculosis drugs** Florian von Groote-Bidlingmaier (Cape Town, South Africa), Sadiyya Sheik, Sweetness Siwendu, Melissa Mitchell, Andreas Henri Diacon, Florian Von Groote-Bidlingmaier
PA3333	**Rifampicin-resistant TB on Gene Xpert: What is the best empiric combination treatment while awaiting cultures?** Lancelot Pinto (Mumbai, India), Ujjwal Sharma, Chaitali Nikam, Radhika Banka, Camilla Rodrigues, Lancelot Pinto
PA3334	**Evaluation of failures treated with linezolid-containing regimen for extensively drug-resistant tuberculosis (XDR-TB)** Myungsun Lee (Seoul, Republic of Korea), Myungsun Lee, Namsoo Rhu, Ji Yeon Lee, Joonsung Joh, Youngran Kim, Ina Jeong
PA3335	**Prospects for early implementation of ambulatory treatment in XDR TB patients by optimizing the administration of linezolid at the intensive phase of chemotherapy** Svitlana A. Cherenko (Kiev, Ukraine), Svitlana Cherenko, Nataliia Litvinenko
PA3336	**Administration of linezolid, bedaquiline and imipenem in treatment of patients with extensively drug-resistant tuberculosis** Diljara Esmedlyaeva (St.Petersburg, Russian Federation), L.T. Nikolayan, L.M. Yeghiazaryan, A.O. Hayrapetyan, N.R. Beglaryan, V.R. Poghosyan
PA3337	**Impact of pre-treatment duration by first line drugs on treatment outcomes of patients with MDR-TB** Yana Batyrshina (Novosibirsk, Russian Federation), Yana Batyrshina
PA3338	**Efficacy of treatment of MDR/XDR TB patients with diabetes mellitus** Irina Vasilyeva Anatolievna (Moscow, Russian Federation), Irina Vasilyeva, Anastasia Samoilova, Svetlana Moiseeva, Natalia Kuzmina, Natalia Musatova
PA3339	**Cost-effectiveness of treating MDR-TB by adding delamanid to background regimens in Germany** Roland Diel (Hamburg, Germany), Roland Diel, Norbert Hittel, Tom Schaberg
PA3340	**Electronic nose as a surrogate marker of response to treatment of pulmonary tuberculosis (ELNOSUR study)** Rosarito Coronel (Asuncion, Paraguay), Rosarito Coronel, Sandra Gonzalez, Cecile Magis-Escurra
PA3341	**Evaluation of optimal regimens for treatment of rifampicin resistant-tuberculosis: Multicenter, randomized controlled study in China** Shenjie Tang (Shanghai, China), Shenjie Tang, Lan Yao, Xiaohui Hao, Yidian Liu
PA3342	**Should MRI be used to determine the duration of treatment in spinal tuberculosis?** Emily McGhee (Hertfordshire, United Kingdom), Emily McGhee, Kolera Chengappa, Ronan Breen, Jonathan Lucas, Heather Milburn

PA3343 **An incidence of the ethambutol-induced optic neuropathy and the usefulness of periodic visual acuity test – A questionnaire survey in Japan**
Masataka Matsumoto (Miki, Japan), Masataka Matsumoto, Toshiyasu Sakurai, Kimihide Tada, Akihiko Ikeda, Tatsuo Kato, Takashi Yoshiyama, Riyo Fujiyama, Fumiaki Nakamura

PA3344 **Influence of mycobacterium tuberculosis strains on recurrence of tuberculosis in Hanoi, Vietnam**
Nguyen Hang (Hanoi, Vietnam), Nguyen T.L. Hang, Shinji Maeda, Takayuki Wada, Pham H. Thuong, Nguyen V. Hung, Vu C. Cuong, Nguyen P. Hoang, Shinsaku Sakurada, Minako Hijikata, Ikumi Matsushita, Luu T. Lien, Naoto Keicho

Room G106-107 Session 370 08:30 - 10:30

Poster discussion: Monitoring and phenotyping COPD

Chairs : Petros Bakakos (Athens, Greece), Paolo Montuschi (Rome, Italy)

PA3345 **The association of vitamine D deficiency and skeletal muscle dysfunction in COPD**
Hyun Jung Jin (Daegu, Republic of Korea), Hyun Jung Jin, Kwan Ho Lee, Jin Hong Chung, Kyeong-Cheol Shin, Dong Won Lee

PA3346 **Prognostic assessment in chronic obstructive pulmonary disease using copeptin: A simplified risk index**
Lucas Boeck (Basel, Switzerland), Lucas Boeck, Kostantinos Kostikas, Francesco Blasi, Wim Boersma, Branislava Milenkovic, Alicia Lacoma, Renaud Louis, Joachim Aerts, Tobias Welte, Antoni Torres, Gernot Rohde, Janko Rakic, Andreas Scherr, Michael Koller, Michael Tamm, Daiana Stolz

PA3347 **Survivin in patients with chronic obstructive pulmonary disease**
Apostolos Bossios (Gothenburg, Sweden), Apostolos Bossios, Linda Ekerljung, Minna Turkkila, Carina Malmhäll, Malin Erlandsson, Sofia Töyra Silfverswärd, Bo Lundbäck, Maria Bokarewa

PA3348 **Antinuclear autoantibodies (ANA) and C-reactive protein (CRP) in chronic obstructive pulmonary disease (COPD)**
Abdel Monem Elshabrawi (Suez, Egypt), Hussien Abo-Alyazid, Ezzat Rezk, Abd Elmonem Elshabrawi, Kamel Hasan, Mokhles Ibrahim, Mahmoud Sayed, Ibrahim Abo- Elfetouh

PA3349 **Validation of a four point sputum colour chart in chronic obstructive pulmonary disease**
Mark McKane (Dundee, United Kingdom), Mark McKane, Megan Crichton, Alison Dicker, James Chalmers

PA3350 **The potential value of FRAX index and bone turnover markers to identify osteoporosis in COPD patients**
Pilar Rivera Ortega (Barcelona, Spain), Pilar Rivera-Ortega, Jessica González-Gutiérrez, Patricia Restituto, Nerea Varo, Amparo Calleja, Macarena Rodríguez, Ana B. Alcaide, Arantza Campo, Javier J. Zulueta, Juan P. De Torres

PA3351 **Blood eosinophils as a biomarker in alpha 1 anti trypsin deficiency**
Safia Zaffarullah (London, United Kingdom), Safia Zaffarullah, Alice M. Turner, Robert Stockley, Diane Griffiths, Ross Edgar

PA3352 **Telehome monitoring (THM) in COPD: A new model of evaluating nocturnal oxygen desaturation**
Maurizio Moretti (Modena, Italy), Anna Porcu, Sara Balestracci, Francesco Costa, Maurizio Morertti

PA3353 **Nocturnal desaturation in COPD patients; is OSA screening the answer?**
Akanksha Das (Navi Mumbai, India), Akanksha Das, T.K. Jayalakshmi, Aparna Iyer, Bhumika Madhav, Pragati Agarwal, Amit Nagpal

PA3354 **Lung clearance index is increased in patients with COPD**
Sebastian Fähndrich (Homburg/Saar, Germany), Sebastian Faehndrich, Martina Seibert, Philipp M. Lepper, Heinrike Wilkens, Stefan Wagenpfeil, Robert Bals

PA3355 **A network-based approach to defining phenotypes in COPD**
Lucretia Udrescu (Timisoara, Romania), Lucretia Udrescu, Mihai Udrescu, Alexandru Topîrceanu, Stefan Mihaicuta

PA3356 **A liquid chromatography MS/MS metabolomics study of COPD patients**
Barbora Novotná (Hradec Kralove, Czech Republic), Barbora Novotna, Mohammed Abdel-Hamid, Vladimir Koblizek, Jiri Jarkovsky, Karel Hejduk, Vit Rehacek, Josef Bis, Frantisek Salajka

PA3357 **Small airway dysfunction and flow and volume bronchodilator responsiveness in patients with chronic obstructive pulmonary disease**
Panagiota Tzani (Parma, Italy), Roberta Pisi, Marina Aiello, Andrea Zanini, Panagiota Tzani, Davide Paleari, Emilio Marangio, Antonio Spanevello, Gabriele Nicolini, Alfredo Chetta

PA3358 **Impulse oscillation respiratory reactance and airway reversibility in chronic obstructive pulmonary disease**
Yasushi Yamamoto (Asahikawa, Japan), Yasushi Yamamoto, Shinobu Osanai, Yoshihiro Kazebayashi, Noriko Hirai, Shunsuke Okumura, Takaaki Sasaki, Yoshinobu Ohsaki

PA3359 **The influence of statin supplementation on inflammatory markers in patients with chronic obstructive pulmonary disease**
Mradul Daga (New Delhi, India), Mradul Daga, Ankit Chhoda, Naushad Ahmad Khan, Govind Mawari

PA3360 **Significance of neutrophil to lymphocyte ratio in patients of chronic obstructive pulmonary diseases: A prospective study at tertiary care centre in India**
Deepak Shah (Varanasi, India), D.K. Shah, J.K. Mishra

PA3361 **Asthma control in preschool wheezing children**
Paula Pinto (Lisbon, Portugal), Paula Leiria-Pinto, Pedro Martins, Elena Finelli, Joana Belo, João Marques, Isabel Peralta, Miguel Paiva, Sara Prates, Nuno Neuparth

PA3362 **Stable state fibrinogen is additive to MR-proADM as a predictor of mortality in COPD patients**
Maaike Telgen (Enschede, Netherlands), Maaike Zuur-Telgen, Paul Van der Valk, Bram Zuur, Job Van der Palen, Huib Kerstjens, Marjolein Brusse-Keizer

Room 13.2 Session 371 08:30 - 10:30

Poster discussion: Paediatric and adult sleep-disordered breathing: from inflammation to treatment and telemedicine

Chairs : Raphael Heinzer (Lausanne, Switzerland), Jose Maria Montserrat Canal (Barcelona, Spain)

PA3363 **Relation between carotid intima-media thickness, serum paraoxonase levels and severity of obstructive sleep apnea syndrome**
Esma Sevil Akkurt (Ankara, Turkey), Esma Sevil Akkurt, Serife Savas Bozbas, Serpil Eroglu, Emre Ozcalik, Fusun Oner Eyuboglu

PA3364 **Subclinical atherosclerosis in obstructive sleep apnea (OSA): The EPIOSA study**
Jose M. Marin Trigo (Zaragoza, Spain), José M. Marín, M. Teresa Martín Carpi, Santiago J. Carrizo, Marta Andrés, Victoria Gil, Marta Forner, José P. Cubero, Clara Viñado, Dinora Polanco, Salvador Bello

PA3365 **OSA complication score as novel reference to assess systemic inflammation in sleep apnoea**
Aleksandra Piechuta (Warsaw, Poland), Aleksandra Piechuta, Iwona Osinska, Piotr Bielicki, Tomasz Skirecki, Joanna Domagala-Kulawik

PA3366 **Identification of subjects with high probability of sleep-disordered breathing in a non-sleepy general population: The NoSAS score**
Helena Marti-Soler (Lausanne, Switzerland), Helena Marti-Soler, José Haba-Rubio, Raphaël Heinzer

PA3367 **Voice analysis in patients with obstructive sleep apnea syndrome**
Sinziana Lovin (Iasi, Romania), Sinziana Lovin, Corneliu Botez, Traian Mihaescu

PA3368 **Can questionnaires improve the screening value of oximetry for assessing sleep apnea syndrome?**
Athanasia Pataka (Panorama Thessaloniki, Greece), Athanasia Pataka, Euphemia Daskalopoulou, George Kalamaras, Nikolaos Chavouzis, Katalin Fekete Passa, Paraskevi Argyropoulou

PA3369 **Usefulness of linear discriminant analysis of overnight oximetry from respiratory polygraphy at home to assist in the diagnosis of pediatric obstructive sleep apnea hypopnea syndrome**
Andrea Crespo Sedano (Valladolid, Spain), Andrea Crespo, Félix Del Campo, Roberto Hornero, Daniel álvarez, Joaquin Terán, Maria Luz Alonso

PA3370 **Adenotonsillectomy revisited: Outcomes and differences in 100 children with adenotonsillectomy**
Katharina Heschl (Kreuzlingen, Switzerland), Katharina Heschl, Bernhard Rinderer, Benedikt Gerber, Marc Kengelbacher, Degenhard Schwub, Bernd Erkert, Christoph Stüssi, Peter Salfeld

PA3371 **Incident cardiovascular events in severely obese patients treated with continous positive airway pressure (CPAP)/non invasive ventilation (NIV): A 5.5-year follow-up**
Anna Maria Marotta (Palermo, Italy), Anna Maria Marotta, Jean Christian Borel, Louis Marie Galerneau, Renaud Tamisier, Emilia Mazzuca, Laura Serafino Agrusa, Maria Rosaria Bonsignore, Jean Louis Pepin

PA3372 **Current automatic CPAP devices exhibit different response when tested with an improved simulator of OSA patient**
Ramón Farré Ventura (Barcelona, Spain), Valentina Isetta, Raquel Santano, Josep M. Montserrat, Daniel Navajas, Ramon Farre

PA3373 **The role of functional respiratory imaging in the prediction of treatment outcome with fixed mandibular advancement in OSA patients**
Wim Vos (Heist-op-den-Berg, Belgium), Wim Vos, Olivier M. Vanderveken, Jan De Backer, Kristien Wouters, Wilfried De Backer, Marijke Dieltjens, Marc Braem

PA3374 **Sleep variables and neuromuscular electrical stimulation on the masticatory muscles in adults with cerebral palsy: A novel therapy approach**
Luis Vicente Oliveira (Sao Paulo, Brazil), Lilian Giannasi, Israel Santos, Jessica Urbano, Rodolfo Vieira, José Amorim, Luis Oliveira, Claudia Oliveira, Monica Gomes

PA3375 **The role of compliance with positive airway pressure use on blood pressure in patients with obstructive sleep apnea: Is longer use a key-factor?**
Izolde Bouloukaki (Crete, Greece), Izolde Bouloukaki, Charalampos Mermigkis, Irini Lambiri, Katerina Giannadaki, Nikolaos Tzanakis, Eleni Mauroudi, Dimitris Georgopoulos, Sophia Schiza

PA3376 **A bayesian cost-effectiveness analysis of a telemedicine-based strategy for the management of sleep apnea: A multicenter randomized controlled trial**
Jose Maria Montserrat Canal (Barcelona, Spain), Valentina Isetta, Miguel A. Negrín, Carmen Monasterio, Juan F. Masa, Nuria Feu, Ainhoa álvarez, Francisco Campos-Rodriguez, Concepción Ruiz, Jorge Abad, Ramon Farré, Marina Galdeano, Patricia Lloberes, Cristina Embid, Mónica De la Peña, Javier Puertas, Mireia Dalmases, Josep M. Montserrat

PA3377 **Telemedicine sleep clinic review - Patient acceptability survey**
Phyllis Murphie (Dumfries, United Kingdom), Phyllis Murphie, Bernie Mills, Stuart Little

PA3378 **New method for evaluation of CPAP AHI measurement accuracy**
Loc Le Xuan (Boulogne-Billancourt, France), Loc Le Xuan, Bernard Fleury, Philippe Salamitou

PA3379 **Contactless monitoring for sleep disordered-breathing, respiratory and cardiac co-morbidity in an elderly independent living cohort**
Gary Baker (Armidale, Australia), Gary Baker, Mark Norman, Mohan Karunanithi, Colin Sullivan

PA3380 **Sonographic measurement of lateral parapharyngeal wall thickness and severity of childhood obstructive sleep apnoea**
Albert Li (Shatin, Hong Kong), Albert M. Li, Chun T. Au, Kate Chan, Kin H. Liu, Winnie Chu

Room E102 Session 372 08:30 - 10:30

Poster discussion: Epidemiological studies of asthma and allergy

Chairs : Jon Genuneit (Ulm, Germany), Chair to be confirmed

PA3381 **Early respiratory infections and development of asthma in the first 27 years of life**
Aino Rantala (Oulu, Finland), Aino K. Rantala, Maritta S. Jaakkola, Elina M.S. Paaso, Timo T. Hugg, Jouni J.K. Jaakkola

PA3382 **Elevated exhaled nitric oxide in combination with wheeze history in adolescence predicts persistent wheeze in adulthood**
Andrei Malinovschi (Uppsala, Sweden), Andrei Malinovschi, Christer Janson, Pia Kalm-Stephens, Lennart Nordvall, Kjell Alving

PA3383 **Determinants of new-onset and persistence of adult asthma in Denmark**
Lars Skadhauge (Esbjerg, Denmark), Lars Rauff Skadhauge, Jesper Rømhild Davidsen, øyvind Omland, Vivi Schlünssen, David Sherson, Torben Sigsgaard, Trine Thilsing, Jesper Bælum

PA3384 **Evolution and risk factors for active asthma in adults participating in EGEA and ECRHS-France cohorts**
Isabelle Pin (Grenoble, France), Isabelle Pin, Joris Giai, Anne Boudier, Jean Bousquet, Frédéric Gormand, Jocelyne Just, Raphaelle Varraso, Catherine Neukirch, Pascal Demoly, Chantal Raherison, Benedicte Leynaert, Valérie Siroux

PA3385 **Characteristics and prognosis of never smokers with asthma in the general population**
Yunus Çolak (Helsingør, Denmark), Yunus çolak, Shoaib Afzal, Børge Nordestgaard, Peter Lange

PA3386 **High incidence and low remission of allergic sensitization from the age of 8 to 12 years**
Joakim Bunne (Piteå, Sweden), Joakim Bunne, Helena Moberg, Linnéa Hedman, Anders Bjerg, Martin Andersson, Bo Lundbäck, Eva Rönmark

PA3387 **Polysensitization and comorbidities of asthma and rhinitis in adults in the EGEA study**
Emilie Costa burte (Villejuif, France), Emilie Burte, Jean Bousquet, Valérie Siroux, Bénédicte Jacquemin, Rachel Nadif

PA3388 **Relation of inhalant allergen-specific immunoglobulin E and lung function in adolescents**
Agnes Luzak (Neuherberg, Germany), Agnes Luzak, Claudia Flexeder, Andrea Von Berg, Dietrich Berdel, Claudia Klümper, Sibylle Koletzko, Carl-Peter Bauer, Joachim Heinrich, Dennis Nowak, Holger Schulz

PA3389 **Allergies, asthma and the risk of pancreatic cancer: A population-based case-control study in Ireland**
Miguel Santibanez (Santander, Spain), Miguel Santibañez, Michael O'Rorke, Eamonn O'Leary, Marianna De Camargo Cancela, Liam Murray, Linda Sharp, On Behalf of the PanCAM Study Group

PA3390 **Blood neutrophil pattern is associated with poor asthma control in adults from the EGEA study**
Rachel Nadif (Villejuif, France), Rachel Nadif, Valerie Siroux, Anne Boudier, Nicole Le Moual, Jocelyne Just, Frederic Gormand, Christophe Pison, Regis Matran, Isabelle Pin

PA3391 **Relationship of blood eosinophil count to exacerbations in asthma patients with a COPD diagnosis**
Trung Tran (Gaithersburg, United States of America), T. Tran, M. Schatz, W. Chen, Q. Li, D. Khatry, R. Zeiger

PA3392 **The influence of age, region and season on asthma admissions in NHS England for the years 2000-2014**
Leo Thanikkel (Bishops Stortford, United Kingdom), Leo Thanikkel, Jonathan Hope, Joan Lasenby, Richard Iles

PA3393 **To spray or not to spray? The association of household cleaning agents and disinfectants with asthma in young adults – Results from a cross-sectional analysis in Germany**
Tobias Weinmann (Munich, Germany), Tobias Weinmann, Jessica Gerlich, Sabine Heinrich, Dennis Nowak, Erika Von Mutius, Christian Vogelberg, Diana Roller, Jon Genuneit, Saba Al-Khadra, Stefanie Lanzinger, Tina Lohse, Irina Motoc, Viola Walter, Gudrun Weinmayr, Katja Radon

PA3394 **Predictors of headache in urban and rural setting from respiratory questionnaires in children aged 10-15**
Martin Balzan (Tal Qroqq, Malta), Martin Balzan, Fabio Cibella, Christopher Zammit, Silvia Ruggieri, David Bilocca, Remo Minardi, Gaspare Drago, Giuseppina Cuttita, Stephen Montefort, Giovanni Viegi

PA3395 **Asthma is associated with lower quality of life among teenaged girls but not boys**
Linnea Hedman (Lulea, Sweden), Linnea Hedman, Caroline Stridsman, Sven-Arne Jansson, Helena Backman, Britt-Marie Eklund, Martin Andersson, Eva Rönmark

PA3396 **Adolescents with asthma - Everyday life at school**
Caroline Stridsman (Luleå, Sweden), Caroline Stridsman, Elisabeth Dahlberg, Karin Zandren, Eva Rönmark, Linnea Hedman

PA3397 **Health-related quality of life in adults with asthma and rhinitis**
Sven-Arne Jansson (Holmsund, Sweden), Sven-Arne Jansson, Mai Leander, Linnea Hedman, Malin Axelsson, Caroline Stridsman, Eva Rönmark

PA3398 **Depression and anxiety symptoms in asthmatics: Associations with health-related quality of life**
Mai Leander (Uppsala, Sweden), Mai Leander, Anna Rask-Andersen, Erik Lampa, Karl A. Franklin, Thorarinn Gislason, Mathias Holm, Anna Oudin, Cecilie Svanes, Christer Janson

Room D201-202 Session 373 08:30 - 10:30

Poster discussion: Indoor air and ambient pollution

Chairs : Paul Peeters (Maastricht, Netherlands), Emel Kurt (Eskisehir, Turkey)

PA3399 **Outdoor PM2.5 lChemical composition in 3 areas with urban/rural difference in prevalence of respiratory diseases**
Fabio Cibella (Palermo, Italy), Fabio Cibella, Martin Balzan, Cinzia Perrino, Gianluca Scaccianoce, David Bilocca, Christopher Zammit, Gaspare Drago, Silvia Ruggieri, Silvia Canepari, Remo Minardi, Stephen Montefort, Giovanni Viegi

PA3400 **A retrospective cross-sectional study of traffic-related air pollution and asthma prevalence among young adults in Israel**
Shlomo Moshe (Holon, Israel), Shlomo Moshe, Nili Greenberg, Jeremy A. Sarnat, Brent A. Johnson, Yinon Rudich

PA3401 **Determination of assessment of air pollutants on mortality and morbidity in Greek cities**
Efthimios Zervas (Patra, Greece), Marina Ntanopoulou, Aris Bloutsos, Efthimios Zervas

PA3402 **Developing indoor air questionnaire for primary school pupils: Test-retest repeatability of self- and parent -administered questionnaires**
Jussi Lampi (Kuopio, Finland), Jussi Lampi, Sari Ung-Lanki, Juha Pekkanen

PA3403 **Indoor environment, endotoxin and (1,3)- -glucan in offices – Associations with asthma, respiratory symptoms and rhinitis among office workers in Malaysia**
Jamal H. Hashim (Kuala Lumpur, Malaysia), Fang Lee Lim, Zailina Hashim, Leslie Thien Lung Than, Salmiah Md Said, Jamal Hisham Hashim, Dan Norback

PA3404 **Adult asthma, allergy and eczema in Stockholm (3HE-study)-associations with energy use, building characteristics and home environment factors**
Dan Norback (Uppsala, Sweden), Dan Norbäck, Erik Lampa, Karin Engvall

PA3405 **Chronic effects of air pollution on lung function after lung transplant (SysCLAD)**
Valerie Siroux (La Tronche, France), Valérie Siroux, Meriem Benmerad, Rémy Slama, Karine Botturi, Johanna Claustre, Antoine Roux, Carine Gomez, Romain Kessler, Olivier Brugière, Jean-François Mornex, Sacha Mussot, Marcel Dahan, Véronique Boussaud, Isabelle Danner-Boucher, Claire Dromer, Christiane Knoop, Laure Malherbe, Frederik Meleux, Laurent Nicod, Antoine Magnan, Christophe Pison

PA3406	**Preschool children's asthma and allergic symptoms in Chongqing, China, associated with parental health: Reporting bias or shared home environment** Juan Wang (Uppsala, Sweden), Juan Wang, Baizhan Li, Wei Yu, Qin Yang, Han Wang, Jan Sundell, Dan Norback
PA3407	**Traffic related elements in tree barks and pollen abortion rates are effective to assess the effects of air pollution exposure on human health** Luis Fernando Amato-Lourenco (Osasco, Brazil), Luis F. Amato-Lourenco, Bruna Vieira, Douglas Rene Silva, Paulo Hilário Nascimento Saldiva, Regiani Carvalho-Oliveira
PA3408	**Respiratory efficiency and incidence of selected pulmonary diseases depending on exposure to ambient particulate matter (PM_{10})** Artur Badyda (Warsaw, Poland), Artur Badyda, Piotr Dabrowiecki, Piotr Oskar Czechowski, Grzegorz Majewski, Anna Gayer, Dominika Mucha, Lukasz Adamkiewicz
PA3409	**Environmental black carbon exposure in Singapore school children** Dyan Zhang (Singapore, Singapore), Dyan Zhewei Zhang, Jonathan Grigg, Saji George, Oon Hoe Teoh, Oh Moh Chay, Arun Pugalenthi, Anne Goh, Petrina Wong, Biju Thomas
PA3410	**Citizen science based symptom scores of allergic rhinitis to validate the grass pollen hay fever forecast** Letty de Weger (Leiden, Netherlands), Letty A. De Weger, H. Bas Hofstee, Arnold J.H. Van Vliet, Pieter S. Hiemstra, Jacob K. Sont
PA3411	**Effects of urban ozone pollution on hospitalizations for exacerbation of chronic obstructive pulmonary disease** Diana Krmpotic (Zagreb, Croatia), Diana Krmpotic, Vesna Luzar-Stiffler, Predrag Herzog
PA3412	**Differences in association between endotoxin and asthma and wheeze with environmental exposures** Peter S. Thorne (Iowa City, United States of America), Peter Thorne, Angelico Mendy, Darryl Zeldin, Paivi Salo
PA3413	**Biomass fuel use is a risk for pulmonary tuberculosis: Case control study** Ambreen Sahito (Karachi, Pakistan), Ambreen Sahito, Asaad Ahmed Nafees, Unaib Rabbani, Ambreen Kazi, Zafar Fatmi
PA3414	**Nasal symptoms of cane cutters exposed to sugarcane burning** Iara Buriola Trevisan (Tupi Paulista, Brazil), Iara Buriola Trevisan, Ercy Mara Cipulo Ramos, Marceli Rocha Leite, Gabriel Faustino Santa Brigida, Renata Marques David, Ana Paula Coelho Figueira Freire, Juliana Souza Uzeloto, Bruna Spolador de Alencar Silva, Giovanna Altero Arevalo, Guilherme Yassuyuki Tacao, Fabiano Francisco de Lima, Dionei Ramos
PA3415	**Short term impact of air pollution on asthma and COPD in Tirana during 1 year period** Milda Nanushi (Tirana, Albania), Milda Nanushi, Agron Deliu, Hasan Hafizi, Jolanda Nikolla, Luljata Cakerri

Room 7.1 Session 378 10:45 - 12:45

Hot topics: Antibiotic resistance in respiratory infections

Aims : At the end of this hot topic session, the audience will better understand the common mechanisms of antibiotic resistance and the impact of the resistome on daily clinical practice; be up to date regarding the epidemiology and risk factors for multidrug-resistant bacteria in both acute and chronic respiratory infections; be aware of useful tools that raise suspicion of a MDR respiratory infection both in the community and in the hospital; understand the role of new and old antibiotics in the management of respiratory infections caused by multidrug-resistant bacteria in light of the most recently published literature; appreciate the principles of antibiotic stewardship; and be conversant with the current recommendations of public health organisations that aim to reduce antibiotic resistance in respiratory infections.

Track(s) : Infection

Tag(s) : Translational

Target audience : Hospitalists (including those working in the ICU), general practitioners, microbiologists, public health stakeholders, and scientists interested in antimicrobial resistance.

Chairs : Francesco Blasi (Milan, Italy), Felix C. Ringshausen (Hannover, Germany)

10:45	**The resistome and other mechanisms of antibiotic resistance** Georgina Cox (Hamilton, Canada)	**3442**
11:15	**How resistance is changing the etiology of acute and chronic respiratory infections?** Tobias Welte (Hannover, Germany)	**3443**
11:45	**New (or old?) drugs for bad bugs** Rosario Menendez Villanueva (Valencia, Spain)	**3444**
12:15	**Antibiotic stewardship and priorities of interventions in public health** Danilo Lo Fo Wong (Copenhagen, Denmark)	**3445**

Room 7.2 Session 380 10:45 - 12:45

Symposium: Fingerprinting severe asthma

Experience from the UBIOPRED project

Aims : The UBIOPRED project (Unbiased BIOmarkers in PREDiction of respiratory disease outcomes) aims to increase our understanding of the different types of severe asthma by defining biomarkers for severe asthma. For this, a large cohort and a multi-omics approach is being employed. The resulting huge database can be used to stratify patients according to phenotypes or clusters; identify individual biomarkers of disease by using readily accessible samples; define single molecular fingerprints by using 'omics technologies; and integrate clinical, biomarker, and 'omics approaches to obtain individualised disease signatures or handprints.

Tag(s) : Translational

Target audience : Clinicians, scientists, clinical scientists, cell and molecular biologists, and translational researchers.

Chairs : Sally Wenzel (Pittsburgh, United States of America), Craig Wheelock (Stockholm, Sweden)

10:45	**Introduction to the UBIOPRED project** Peter Sterk (Amsterdam, Netherlands)	**3455**
10:50	**Defining the clinical clusters of severe asthma within UBIOPRED** Marijke Amelink (Amsterdam, Netherlands)	**3456**
11:15	**Biomarker profiling of asthma phenotypes** Paul Skipp (Southampton, United Kingdom)	**3457**
11:40	**Integrating fingerprints: molecular phenotyping of severe asthma** Bertrand De Meulder (Lyon, France)	**3458**
12:05	**Severe asthma in children** Louise Fleming (London, United Kingdom)	**3459**
12:30	**Patient's testimonial** Breda Flood (Gorey, Ireland)	**3460**

Room Elicium 2 Session 381 10:45 - 12:45

Symposium: Resistance to therapy in lung cancer

Aims : To describe the main mechanisms of resistance to the drugs that are currently being used to treat lung cancer, present the theoretical strategies to overcome resistance and new drug developments and discuss the clinical implications of drug resistance along with recommendations for planning therapy.

Track(s) : Oncology

Tag(s) : Clinical

Target audience : Clinicians who are treating lung cancer patients or are interested in new developments in thoracic oncology, pathologists, and researchers in the field of lung cancer.

Chairs : Fernando Gamarra (Straubing, Germany), Nicolas Reynoird (La Tronche, France)

10:45	**Resistance to chemotherapy in lung cancer** Thierry Berghmans (Brussels, Belgium)	**3461**
11:15	**Mechanisms of EGFR-TKI resistance and new treatment strategies** Nicolas Girard (Bron, France)	**3462**
11:45	**Crizotinib resistance in lung cancer** Speaker to be confirmed	**3463**
12:15	**The clinical point of view: strategies for overcoming resistance in lung cancer treatment** Rudolf M. Huber (Munich, Germany)	**3464**

Room 4.2 Session 382 10:45 - 12:45

Symposium: Obstructive sleep apnoea, obesity, and weight loss

Aims : To provide an update on the strategies that make it easier for patients with obstructive sleep apnoea (OSA) to lose weight, the metabolic features of OSA in morbidly obese patients, what to expect in OSA patients after bariatric surgery and the recent experimental studies on the role of hypoxia in obese adipose tissue, with special focus on their clinical implications.

Track(s) : Sleep

Tag(s) : Translational

Target audience : Clinicians who are interested in sleep-disordered breathing and respiratory problems in obese patients.

Chairs : Walter McNicholas (Dublin, Ireland), Eva Lindberg (Uppsala, Sweden), Geraldo Lorenzi Filho (Sao Paulo, Brazil)

10:45	**Hypoxia and metabolism: why is it difficult for OSA patients to lose weight?** Anne-Laure Borel (Grenoble, France)	**3465**
11:12	**OSA in morbidly obese patients: is it different?** Neus Salord Oleo (Barcelona, Spain)	**3466**
11:38	**Lifestyle interventions in mild and severe OSA patients** Nico De Vries (Amsterdam, Netherlands)	**3467**
12:04	**Controversies on the role of hypoxia in adipose tissue: insights from recent experimental studies** Maria Bonsignore (Palermo, Italy)	**3468**
12:30	**Patient's testimonial** Dan Smyth (Dundalk, Ireland)	**3469**

Room 5.2 Session 383 10:45 - 12:45

Symposium: New insights in immunology and molecular pathways of tobacco smoke

Aims : To update pulmonologists and researchers regarding smoking-related inflammation, genes that relate to addiction and lung cancer and the crosslinks between COPD and lung cancer.

Track(s) : Epidemiology/Environment

Tag(s) : Healthy Lungs for Life (HLfL)

Target audience : Investigators and clinicians.

Chairs : Ian M. Adcock (London, United Kingdom), Jean-Paul Sculier (Brussels, Belgium)

10:45	**Nicotine at the crossroads of smoking addiction and lung cancer & Tumourigenic aspects of nicotine** Georgios Stathopoulos (Rio, Patras, Greece)	**3470**
11:20	**Molecular pathways of tobacco smoke** Constantinos Glynos (Athens, Greece)	**3472**
11:55	**Mechanistic links between COPD and lung cancer** Guy Brusselle (Ghent, Belgium)	**3473**
12:30	**Roundtable and discussion**	**3471**

Room Elicium 1 Session 384 10:45 - 12:45

Oral presentation: Latest developments in clinical studies in acute and chronic lung diseases

Chairs : Jan C. Grutters (Nieuwegein, Netherlands), Chair to be confirmed

OA3474	**LATE-BREAKING ABSTRACT: Predicting CTEPH after acute pulmonary embolism** Erik Klok (Leiden, Netherlands), F.A. Klok, O. Dzikowska-Diduch, M. Kostrubiec, H.W. Vliegen, P. Pruszczyk, G. Hasenfuss, M.V. Huisman, S. Konstantinides, M. Lankeit
OA3475	**LATE-BREAKING ABSTRACT: Treatment of predominant central sleep apnoea with ASV in patients with chronic heart failure: SERVE-HF primary results** Martin Cowie (London, United Kingdom), Martin Cowie, Holger Woehrle, Karl Wegscheider, Christiane Angermann, Marie-Pia d'Ortho, Erland Erdmann, Patrick Levy, Anita Simonds, Virend Somers, Faiz Zannad, Helmut Teschler
OA3476	**LATE-BREAKING ABSTRACT: Study to understand mortality and morbidIty in COPD (SUMMIT)** Jørgen Vestbo (Manchester, United Kingdom), Jorgen Vestbo, Julie Anderson, Robert D. Brook, Peter Calverley, Bart Celli, Courtney Crim, Fernando Martinez, Julie Yates, David Newby
OA3477	**LATE-BREAKING ABSTRACT: Safety and tolerability of N-acetylcysteine (NAC) with pirfenidone in idiopathic pulmonary fibrosis (IPF): PANORAMA** Juergen Behr (Munich, Germany), Jrgen Behr, Elisabeth Bendstrup, Bruno Crestani, Andreas Gnther, Horst Olschewski, Magnus Skld, Athol Wells, Wim Wuyts, Dirk Koschel, Michael Kreuter, Benoit Wallaert, Helen Tang, Jrgen Beck, Carlo Albera
OA3478	**LATE-BREAKING ABSTRACT: Antiacid therapy and progression free survival in idiopathic pulmonary fibrosis (IPF)** Michael Kreuter (Heidelberg, Germany), Michael Kreuter, Wim Wuyts, Elisabetta Renzoni, Dirk Koschel, Toby M. Maher, Martin Kolb, Derek Weycker, Klaus-Uwe Kirchgaessler, Felix J.F. Herth, Ulrich Costabel

OA3479	**LATE-BREAKING ABSTRACT: Detrimental effects of medically indicated oral anticoagulation on survival in idiopathic pulmonary fibrosis (IPF)** Michael Kreuter (Heidelberg, Germany), Michael Kreuter, Marlies S. Wijsenbeek, Martina Vasakova, Paolo Spagnolo, Martin Kolb, Ulrich Costabel, Derek Weycker, Klaus-Uwe Kirchgaessler, Toby M. Maher
OA3480	**LATE-BREAKING ABSTRACT: Lung function in patients with primary ciliary dyskinesia (PCD): A multinational study** Florian Halbeisen (Bern, Switzerland), Florian Halbeisen, Myrofora Goutaki, Elisabeth Maurer, Mieke Boon, Carmen Casaulta, Annick Clement, Suzanne Crowley, Eric G. Haarman, Bulent Karadag, Cordula Koerner-Rettberg, Henryk Mazurek, Lucy Morgan, Kim G. Nielsen, Francesca Santamaria, Nicolaus Schwerk, Panayiotis Yiallouros, Philipp Latzin, Jane S. Lucas, Claudia E. Kuehni
OA3481	**LATE-BREAKING ABSTRACT: Chr17q21 modifies environmental effects on respiratory infections in infancy and effects on asthma** Georg Loss (La Jolla, United States of America), Georg Loss, Martin Depner, Caroline Roduit, Jon Genuneit, Anne Karvonen, Anne Hyvärinen, Roger Lauener, Petra Pfefferle, Michael Kabesch, Juha Pekkanen, Jean-Charles Dalphin, Josef Riedler, Charlotte Braun-Fahrländer, Erika von Mutius, Markus Ege, The PASTURE Study Group

Room Forum — Session 385 — 10:45 - 12:45

Oral presentation: Science and biomarkers in TB

Chairs : Simone A. Joosten (Leiden, Netherlands), Daniela Maria Cirillo (Milan, Italy)

OA3482	**Dual-specificity phosphatase 14 gene polymorphism in Vietnamese patients with pulmonary tuberculosis** Naoto Keicho (Tokyo, Japan), Minako Hijikata, Ikumi Matsushita, Nguyen T.L. Hang, Pham H. Thuong, Shinsaku Sakurada, Vu C. Cuong, Luu T. Lien, Naoto Keicho
OA3483	**Cellular and humoral immune response in non HIV infected tuberculous patients in Upper Egypt** Maha Ghanem (Assiut, Egypt), Maha K. Ghanem, Nour Eldin H.M. Imam, Hebat Allah Rashed, Azza Ezz ElDin
OA3484	**Mycobactericide activity in genetically related tuberculosis contacts** Javier JUAN GARCIA (León, Spain), Javier Juan García, Sara Raposo García, Silvia García García, Piedad Rivas López, Jose Manuel Guerra Laso, Teresa Nebreda Mayoral, Cristina Díez Tascón, Octavio Miguel Rivero Lezcano, Javier Juan García
OA3485	**Pan-genomic and immunomic identification of novel mycobacterium tuberculosis antigens for TB diagnosis** Massimo Amicosante (Rome, Italy), Carmela Gallo, Alessia Del Duca, Monica Losi, Alba Grifoni, Roberta Bernardini, Alfonso Altieri, Gregorino Paone, Maurizio Mattei, Cesare Saltini, Massimo Amicosante
OA3486	**Evaluation of the accuracy of several immune experimental diagnostic tools to distinguish active tuberculosis from latent infection** Delia Goletti (Rome, Italy), Elisa Petruccioli, Linda Petrone, Teresa Chiacchio, Valentina Vanini, Fabrizio Palmieri, Gina Gualano, Gilda Cuzzi, Assunta Navarra, Enrico Girardi, Delia Goletti
OA3487	**CD27 expression as a new tool to distinguish active tuberculosis from latent infection** Elisa Petruccioli (Rome, Italy), Elisa Petruccioli, Linda Petrone, Valentina Vanini, Fabrizio Palmieri, Gina Gualano, Gilda Cuzzi, Delia Goletti
OA3488	**Highly specific differentiation of mycobacterium avium subspec. paratuberculosis (MAP) in comparison to other mycobacteria using GC IMS-spectral analysis from headspace** Gunther Becher (Bernau, Germany), Gunther Becher, Roman Purkhart, Werner Schüler, Heike Köhler, Petra Reinhold
OA3489	**Novel biomarker more strongly associated with tuberculosis treatment outcome than conventional or genotypic methods** Allison Wolf (New York, United States of America), Allison Wolf, Max O'Donnell, Paras Jain, Vanisha Munsamy, Farina Karim, Michelle Larsen, Alexander Pym, William R. Jacobs

Room 5.1 — Session 386 — 10:45 - 12:45

Oral presentation: Respiratory translational research: novel mechanisms, diagnostic markers and Space Odyssey

Chairs : Philipp A. Schnabel (Homburg/Saar, Germany), Nicolas Kahn (Heidelberg, Germany)

OA3490	**The first U-BIOPRED sputum handprint of severe asthma** Diane Lefaudeux (Lyon, France), Diane Lefaudeux, Bertrand De Meulder, Matthew J. Loza, Marek Sanak, Ana R. Sousa, Julie Corfield, Frédéric Baribaud, Dominic E. Shaw, Ildiko Horvath, Jacek Musial, Pascal Chanez, Norbert Krug, Paolo Montuschi, Per S. Bakke, Florian Singer, Stephen J. Fowler, Sven-Erik Dahlén, Thomas Sandström, Peter J. Sterk, Ratko Djukanovic, Kian Fan Chung, Ian M. Adcock, Charles Auffray, The U-BIOPRED Study Group

OA3491	**LSC Abstract – Toll-like receptor 10: Expression and functional role in LPS mediated inflammation** Yadu Balachandran (Saskatoon, SK, Canada), Yadu Balachandran, Baljit Singh
OA3492	**Gene signalling heterogeneity in exacerbations of COPD determined by microarray analysis of PBMC mRNA** Kenneth Bolger (Kilkenny, Ireland), Kenneth Bolger, Anthony Bosco, Pat Holt, Conor Burke
OA3493	**Telomere-associated gene network in lung adenocarcinoma** Lilit Nersisyan (Yerevan, Armenia), Lilit Nersisyan, Anna Hakobyan, Arsen Arakelyan
OA3494	**Skeletal muscle atrophy caused by acute pulmonary inflammation is dependent on a glycogen synthase kinase-3beta - glucocorticoid receptor signaling axis** Ramon Langen (Maastricht, Netherlands), Ramon Langen, Koen Verhees, Marco Kelders, Chiel De Theije, Annemie Schols
OA3495	**INTS12 knockdown leads to perturbation of genes and pathways of relevance to airway biology** Abdul Kader Kheirallah (Nottingham, United Kingdom), Abdul Kader Kheirallah, Ian Sayers, Ian Hall
OA3496	**SMAD3 regulation contributes to lung vascular remodeling in pulmonary arterial hypertension** Diana Zabini (Toronto, Canada), Diana Zabini, Andras Kapus, Wolfgang Kuebler
OA3497	**The properties of pulmonary surfactant after 30-day space flight and simulated microgravity** Daniil Kazarin (Izhevsk, Russian Federation), Daniil Kazarin, Irina Bryndina, Natalia Vasilieva

Room 13.1 Session 387 10:45 - 12:45

Oral presentation: New findings in paediatric respiratory physiology

Chairs : Enrico Lombardi (Florence, Italy), Graham Hall (West Perth, Australia)

OA3498	**LATE-BREAKING ABSTRACT: Measurement of respiratory system mechanics via laryngeal mask airway in children** Zoltán Hantos (Szeged, Hungary), Zoltán Hantos, Anoop Ramgolam, Gergely Makan, Dorottya Czovek, Zoltán Gingl, Graham Hall, Britta Regli-Von Ungern Sternberg
OA3499	**New reference equations for interpreting results from the raised volume technique (RVRTC) in infants** Sooky Lum (London, United Kingdom), Sooky Lum, Vassiliki Bountziouka, Angela Wade, Jane Kirkby, Ines De Mir, Joerg Mattes, Paula Corcuera-Elosegui, Luis Miguel Borrego, Simon Lee, Janet Stocks
OA3500	**Longitudinal infant lung function measures in unsedated infants** Diane Gray (Cape Town, South Africa), Diane Gray, Lauren Willemse, Ane Visagie, Peter D. Sly, Graham L. Hall, Heather J. Zar
OA3501	**Changes in breathing pattern upon 100% oxygen during N_2MBW in children** Kerstin Jost (Basel, Switzerland), Kerstin Jost, Nina Lenherr, Florian Singer, Sven M. Schulzke, Urs P. Frey, Philipp Latzin, Sophie Yammine
OA3502	**Lung clearance Index changes over time among patients with cystic fibrosis** Elpida Hatziagorou (Thessaloniki, Greece), Elpis Hatziagorou, Vasiliki Avramidou, Asterios Kampouras, Fotios Kirvasilis, Petrina Vantsi, Maria Karailidou, John Tsanakas
OA3503	**Longitudinal lung function in school-age children born very preterm** Shannon Simpson (Western Australia, Australia), Shannon Simpson, Karla Logie, Maureen Verheggen, Christopher O'Dea, Andrew Wilson, Jane Pillow, Graham Hall
OA3504	**Classification of flow-dependent changes in mechanical impedance in healthy newborns** Bence Radics (Szeged, Hungary), Bence Radics, Zita Gyurkovits, Zoltán Gingl, Gergely Makan, Balázs Maár, Hajnalka Orvos, Peter D. Sly, Zoltán Hantos
OA3505	**Lung function in school age children with chronic lung disease of prematurity** Ephraim Bar-Yishay (Beer-Sheva, Israel), Ephraim Bar-Yishay, Elena Matyashchuk, Dario Prais, Hannah Blau, Eytan Kaplan

Room 2.1 Session 388 10:45 - 12:45

Oral presentation: IPF pathogenesis

Chairs : Bruno Crestani (Paris, France), Katerina Antoniou (Heraklion, Greece)

OA3506	**LSC Abstract – Changes in the respiratory microbiome during acute exacerbations of Idiopathic Pulmonary Fibrosis** Philip Molyneaux (London, United Kingdom), Philip Molyneaux, William Cookson, Miriam Moffatt, Dong Soon Kim, Toby Maher

OA3507	**LSC Abstract – Toll-like receptor 4 (TLR4) in idiopathic pulmonary fibrosis (IPF)** Simone Ebener (Bern, Switzerland), Simone Ebener, Stephan Christian Schäfer, Bruno Crestani, Thomas Geiser, Manuela Funke
OA3508	**Functional analysis of the ABCA3-transporter with fluorescent labeled phosphatidylcholine** Stefanie Höppner (Munich, Germany), Stefanie Höppner, Thomas Wittmann, Ulrike Schindlbeck, Susanna Kinting, Adriano Torrano, Christoph Bräuchle, Ralf Zarbock, Matthias Griese
OA3509	**The effect of MUC5B promoter polymorphism on susceptibility to idiopathic interstitial pneumonias and cell profiles in bronchoalveolar Lavage fluid** Annette van der Vis (Nieuwegein, Netherlands), Joanne Van der Vis, Reinier Snetselaar, Karin Kazemier, Jan Grutters, Coline Van Moorsel
OA3510	**Comparative analysis of multiple gene polymorphisms for acute exacerbation of idiopathic pulmonary fibrosis** Shinichiro Ohshimo (Hiroshima, Japan), Shinichiro Ohshimo, Chihiro Yamaoka, Yasush Horimasu, Hiroshi Iwamoto, Kazunori Fujitaka, Hironobu Hamada, Noboru Hattori, Nobuyuki Hirohashi, Koichi Tanigawa, Francesco Bonella, Josune Guzman, Ulrich Costabel, Nobuoki Kohno
OA3511	**RNA-seq analysis does not substantiate a causative link between herpes virus infection and IPF** Joseph Lasky (New Orleans, United States of America), Quiyan Yin, Michael Strong, Erik Flemington, Joseph Lasky
OA3512	**Serum levels of surfactant proteins in patients with combined pulmonary fibrosis and emphysema (CPFE)** Andriana Papaioannou (Vrilissia, Athens, Greece), Andriana Papaioannou, Konstantinos Kostikas, Georgia Papadaki, Aneza Roussou, Aris Spathis, Argyro Mazioti, Ioannis Tomos, Effrosyni Manali, Stelios Loukides, Petros Karakitsos, Spyros Papiris, Filia Diamantea
OA3513	**Investigation of mitochondria homeostasis and mitophagy in bronchoalveolar lavage fluid (BALF) cells in pulmonary fibrosis** Eirini Vasarmidi (Heraklion, Crete, Greece), Eirini Vasarmidi, Eliza Tsitoura, Stella Sarantoulaki, Chara Koutoulaki, Irini Charalambous, George Margaritopoulos, Nikolaos Siafakas, Katerina Antoniou

Room 4.1 Session 389 10:45 - 12:45

Oral presentation: The multiple facets of stem and progenitor cells in lung health and disease

Chairs : Eric White (Ann Arbor, United States of America), Gunilla Westergren-Thorsson (Lund, Sweden)

OA3514	**Airway epithelial progenitors regenerate the distal lung** Dimitra Zazara (Patras, Greece), Dimitra E. Zazara, Magda Spella, Anastasios D. Giannou, Ioannis Lilis, Malamati Vreka, Georgios T. Stathopoulos
OA3515	**LSC Abstract – Murine bone marrow-derived mesenchymal stem cells exert anti-viral and barrier-protective properties in influenza virus infection** Lina Jankauskaite (Giessen, Germany), Lina Jankauskaite, Carole Schmoldt, Juergen Lohmeyer, Susanne Herold
OA3516	**Lung-derived mesenchymal stromal cells are tissue specific and display an altered gene expression in BOS patients** Sara Rolandsson Enes (Lund, Sweden), Sara Rolandsson, Annika Andersson Sjöland, Lennart Hansson, Ingrid Skog, Hillevi Larsson, Leif Bjermer, Stefan Scheding, Gunilla Westergren-Thorsson
OA3517	**Mesenchymal stem cells reduce hypoxia-induced apoptosis in alveolar epithelial cells by modulating hypoxic signaling** Olivier Bernard (Bobigny, France), Olivier Bernard, Florence Jeny, Elisabetta Dondy, Yurdagül Uzunhan, Shalini Sivarajah, Valérie Vanneaux, Jérôme Larghero, Hilario Nunès, Carole Planès, Nicolas Dard
OA3518	**Effects of autologous mesenchymal stromal cell treatment for severe emphysema on lung tissue: A clinical trial** Winifred Broekman (Leiden, Netherlands), Winifred Broekman, Jan Stolk, Thais Mauad, Jaap Jan Zwaginga, Wim E. Fibbe, Jaap Oostendorp, Ingeborg Bajema, Michel I.M. Versteegh, Christian Taube, Pieter S. Hiemstra
OA3519	**Effect of MSC treatment on LPS-induced inflammation, emphysema and atherosclerosis in E3L mice** Padmini Khedoe (Den Haag, Netherlands), Padmini Khedoe, Stan De Kleijn, Annemarie Van Schadewijk, Bram Van der Linden, Lianne Van der Wee-Pals, Annemarie Van Oeveren-Rietdijk, Jaap Plomp, Hetty De Boer, Melissa Van Pel, Patrick Rensen, Jimmy Berbée, Pieter Hiemstra
OA3520	**Mesenchymal stem cell-conditioned medium induces neutrophils apoptosis via inhibition of NF-kB pathway and increases endogenous pulmonary stem cells in endotoxin-induced acute lung injury** Vincent Yi-Fong Su (Taipei, Taiwan), Vincent Yi-Fong Su, Kuang-Yao Yang

OA3521 **Recruitment of blood fibrocytes during acute exacerbations of chronic obstructive pulmonary disease through a CXCR4 dependent pathway**
Patrick Berger (Bordeaux, France), Isabelle Dupin, Benoît Allard, Annaïg Ozier, Elise Maurat, Olga Ousova, Thomas Trian, Hoang-Nam Bui, Claire Dromer, Olivier Guisset, Elodie Blanchard, Gilles Hibert, Frédérique Vargas, Roger Marthan, Pierre-Olivier Girodet, Patrick Berger

Room Emerald Session 390 10:45 - 12:45

Oral presentation: Pulmonary hypertension: new pathophysiological insights

Chairs : Robert Naeije (BRUSSELS, Belgium), Harm Jan H.J. Bogaard (Amsterdam, Netherlands)

OA3522 **Clinical relevance of right ventricular diastolic stiffness in pulmonary hypertension**
Pia Trip (Amsterdam, Netherlands), Pia Trip, Silvia Rain, Louis Handoko, Cathelijne Van der Bruggen, Harm Jan Bogaard, Tim Marcus, Anco Boonstra, Nico Westerhof, Anton Vonk Noordegraaf, Frances De Man

OA3523 **Prognostic value of MRI in pulmonary arterial hypertension: Early and late predictors**
Andy Swift (Sheffield, United Kingdom), Andrew Swift, Dave Capener, Rothman Alex, Elliot Charlie, Condliffe Robin, Wild Jim, Kiely David

OA3524 **Increased right ventricular diastolic stiffness and reduced ejection fraction in pulmonary hypertension**
Toshitaka Nakaya (Sapporo, Japan), Toshitaka Nakaya, Ichizo Tsujino, Takahiro Sato, Noriko Oyama-Manabe, Hiroshi Ohira, Masaharu Nishimura

OA3525 **Exercise capacity after pulmonary endoarterectomy and its determinants**
Rita Di Domenica (Pavia, Italy), Rita Di Domenica, Mariachiara Mennitti, Arianna Viscardi, Maurizio Pin, Valentina Grazioli, Antonio Sciortino, Catherine Klersy, Andrea Maria D'Armini, Federica Meloni, Angelo Guido Corsico, Isa Cerveri

OA3526 **Pressure-flow relationship during exercise predicts transplant-free survival in patients with pre-capillary pulmonary hypertension**
Elisabeth Domenica Hasler (Uster, Switzerland), Elisabeth Domenica Hasler, Séverine Müller-Mottet, Gina Somaini, Stéphanie Saxer, Rudolf Speich, Marco Maggiorini, Lars Huber, Konrad E. Bloch, Silvia Ulrich

OA3527 **Overnight rostral fluid shift in group 1 pulmonary arterial hypertension**
Sven GÜnther (Le Kremlin Bicêtre, France), Sven Günther, Georges Chebly, Marc Humbert, Isabelle Arnulf, Thomas Similowski, Stefania Redolfi

OA3528 **Exercise-induced immune response in patients with idiopathic pulmonary arterial hypertension**
Lars Harbaum (Hamburg, Germany), Lars Harbaum, Emilia Renk, Sara Yousef, Nicole Lüneburg, Tim Oqueka, Hans J. Baumann, Djordje Atanackovic, Rainer H. Böger, Carsten Bokemeyer, Hans F.E. Klose

OA3529 **Clinical and haemodynamic predictors of abnormal pulmonary vascular response at exercise**
Edmund Lau (Connells Point, Australia), Edmund Lau, Laurent Godinas, David Montani, Andrei Seferian, Xavier Jais, Laurent Savale, Oliver Sitbon, Gerald Simonneau, Marc Humbert, Denis Chemla, Philippe Herve

Room E104-106 Session 391 10:45 - 12:45

Poster discussion: Effects of rehabilitation, exercise, physical activity, hospitalisation and surgery on different conditions

Chairs : Vanessa Suziane Probst (Londrina, Brazil), Jordi VILARO CASAMITJANA (Barcelona, Spain)

PA3530 **Exercise training in patients with interstitial lung disease (ILD): Can reponders be distinguished from non-responders**
Veronica Barbier (Leuven, Belgium), Veronica Barbier, Carlos A. Camillo, Heleen Demeyer, Wim Janssens, Wim Wuyts, Thierry Troosters

PA3531 **Physiological responses to functional exercise capacity in interstitial lung disease patients with acute exacerbations**
Meral Bosnak Güçlü (Ankara, Turkey), Zeynep Pelin Ugras, Burcu Camcioglu, Meral Bosnak Güçlü, Müserrefe Nur Karadalli, Nurdan Köktürk, Haluk Türktas

PA3532 **Inspiratory and peripheral muscle weakness in hospitalized patients with decompensated heart failure**
Karen Kimoto (Sao Bernardo do Campo, Brazil), Karen Kimoto, Igor Moraes, Samantha Grams, Marcos Brandmuller Fernandes, Wellington Yamaguti

PA3533 **Influence of early resistance exercise after coronary artery bypass grafting**
Daniel Borges (São Luis, Brazil), Nayana Ximenes, Vinícius Nina, Daniel Borges, Reijane Lima, Mayara Silva, Luan Silva, Thiago Baldez, Marina Costa

PA3534 **A comparison of three methods for improving expiratory cough flow and lung volume in children with neuromuscular diseases**
Akshat Kapur (Glasgow, United Kingdom), Akshat Kapur, Michael Seear, Maggie McIlwaine, Hilda Perry, Melissa Richmond, Cassandra Yoon, Kathryn Selby

PA3535 **Impact of expiratory muscle training in paraplegic subjects**
Roland Hotton (Limal, Belgium), Julien Klepper, Charline Icart, Thomas Mettay, Roland Hotton

PA3536 **The effects of supervised and home-based breathing exercises on functional outcomes in patients with fibromyalgia syndrome**
Onur Aydogdu (Istanbul, Turkey), Onur Aydogdu, Zübeyir Sari, ömer Aydin, Ufuk Yurdalan

PA3537 **Effect of positive airway pressure added to conventional chest physiotherapy in resolution of pleural effusion after drainage: A randomised controlled trial**
Adriana C. Lunardi (Santo André/ SP, Brazil), Elinaldo Santos, João Silva Junior, Fernanda Melo, Marcus Assis Filho, Marcela Vidal, Juliana Silva, Marcia Novais, Franklin Barbosa, Islla Marreiros, Débora Palheta, Adriana Lunardi

PA3538 **Implementation of inspiratory muscle training to wean off from mechanical ventilation in ICU**
Jean Christophe Villiot-Danger (Briançon, France), Tristan Bonnevie, Jean-Christophe Villiot-Danger, Francis-Edouard Gravier, Johan Dupuis, Guillaume Prieur, Clément Médrinal

PA3539 **Effects of pulmonary rehabilitation during hematopoietic stem cell transplantation**
Meral Bosnak Güçlü (Ankara, Turkey), Zeynep Aribas, Meral Bosnak-Güçlü, Gülsah Bargi, Deniz Inal Ince, Zeynep Arzu Yegin, Sahika Zeynep Aki, Gülsan Sucak

PA3540 **Physical activity has a protective effect against postoperative pulmonary complications after abdominal surgery**
Adriana C. Lunardi (Santo André/ SP, Brazil), Fernando Wegner, Daniel Souza, Luciana Chiavegato, Adriana Lunardi

PA3541 **Lung expansion techniques on thoracoabdominal mechanics in patients underwent to open abdominal and laparoscopic surgeries**
Adriana C. Lunardi (Santo André/ SP, Brazil), Adriana Lunardi, Cibele Marques da Silva, Desiderio Cano, Denise Paisani, Celso R.F. Carvalho

PA3542 **Breathing exercises by flow-oriented incentive spirometry in postoperative bariatric surgery**
Eli Maria Pazzianotto-Forti (Capivari, Brazil), Eli Maria Pazzianotto-Forti, Carolina Moraes da Costa, Daniela Merino, Maura Rocha, Irineu Rasera-Júnior

PA3543 **Influence of thoracic and abdominal surgery on cough power, lung function, and vocal function**
Kazuyuki Tabira (Nara, Japan), Kazuyuki Tabira, Shigeharu Koh, Tomoya Akakabe, Hiromi Inoue, Naomi Miyamoto, Shinichi Arizono

PA3544 **Early mobilization in the postoperative patients submitted to cardiac surgery – A systematic review**
Luciana Chiavegato (São Paulo, Brazil), Priscila Ramos, Natália Ricci, Erika Suster, Denise Paisani, Luciana Chiavegato

PA3545 **Regional contributions of the ribcage and abdomen before and after a six week pulmonary rehabilitation programme**
Rokhsaneh Tehrany (Southampton, United Kingdom), Rokhsaneh Tehrany, Anne Bruton, Anna Barney

PA3546 **Physical deterioration during hospitalization in patients with community-acquired pneumonia**
Irene Torres Sanchez (Santa Fe, Spain), Adelina Martín-Salvador, Irene Torres-Sánchez, Ana Fulgencio-Delgado, Marie Carmen Valenza, Irene Cabrera-Martos, Isabel López-Torres

PA3547 **Impact of hospitalization in the functionality and quality of life of adults and elderlies**
Débora Martins Meira (São Paulo , Brazil), Débora Meira, Patricia Lavoura, Deise Ferreira, José Antonio Curiati, Arnaldo Lichtenstein, Celso Carvalho, Clarice Tanaka

Room G102-103 Session 392 10:45 - 12:45

Poster discussion: Best abstracts in physical activity in chronic lung diseases

Chairs : Henrik Watz (Grosshansdorf, Germany), Nicolino Ambrosino (Volterra, Italy)

PA3548 **Is physical activity a determinant for change in FEV1 in COPD patients? A prospective cohort study**
Anja Frei (Zurich, Switzerland), Anja Frei, Tsung Yu, Sarah Crook, Patrick Muggenstrum, Gerben Ter Riet, Milo A. Puhan

PA3549 **Physical activity after discharge following chronic obstructive pulmonary disease (COPD) or congestive heart failure (CHF) exacerbations**
Katherine Gross (West Hartford, United States of America), Katherine Gross, Thomas Waring, Harsh Chawla, Chinthaka Bulathsinghala, Richard Soucier, Richard ZuWallack

PA3550	**The role of sustained physical inactivity in the progression of exercise intolerance and muscle depletion in COPD** Benjamin Waschki (Hamburg, Germany), Benjamin Waschki, Anne Kirsten, Olaf Holz, Kai-Christian Müller, Miriam Schaper, Anna-Lena Sack, Thorsten Meyer, Klaus Rabe, Helgo Magnussen, Henrik Watz
PA3551	**Development of a new performance scale to assess activities of daily living in COPD patients** Gabriel Ricardo Garcia (City Bell, Argentina), Gabriel Garcia, Miguel A. Bergna, Viridiana Pistorio, Roberto Ravinovich
PA3552	**Change in physical activity level following COPD exacerbation** Paul Andrzejowski (Sheffield, United Kingdom), Paul Andrzejowski, Neil Greening, Matthew Richardson, Theresa Harvey-Dunstan, Linzy Houchen-Wolloff, Emma Chaplin, Tim Maheswaran, Justina Ruksenaite, Fayyaz Hussain, Sally Singh
PA3553	**Self-report vs. pedometer steps in COPD: Are they similar?** Alda Sofia Pires de Dias Marques (Aveiro, Portugal), Joana Cruz, Dina Brooks, Alda Marques
PA3554	**Physical activity is closely associated with short physical performance battery score in elderly COPD** Masahiro Iwakura (Akita, Japan), Masahiro Iwakura, Atsuyoshi Kawagoshi, Kazuki Okura, Yoshino Terui, Mizuki Sato, Masahiro Satake, Keiyu Sugawara, Hitomi Takahashi, Takeshi Kashiwagura, Takanobu Shioya
PA3555	**Validity and usability of low-cost accelerometers for internet-based self-monitoring of physical activity in patients with COPD** Martijn Vooijs (Leiden, Netherlands), Martijn Vooijs, Laurence Alpay, Jiska Snoeck-Stroband, Thijs Beerthuizen, Petra Siemonsma, Jannie Abbink, Jaap Sont, Ton Rövekamp
PA3556	**Physical activity and the use of COPD medication** Milla Katajisto (Helsinki, Finland), Milla Katajisto, Jukka Koskela, Ari Lindqvist, Maritta Kilpeläinen, Tarja Laitinen
PA3557	**Walking and cycling in patients with asthma and COPD** Rob Van Lummel (The Hague, Netherlands), Rob C. van Lummel, Siete C. Frouws, Alex J. van ’t Hul, Jaap H. van Dieën, Johannes C.C.M. in ’t Veen
PA3558	**Sit to stand performance and physical activity levels in COPD** Sarah Jones (Berkshire, United Kingdom), Sarah E. Jones, Jane L. Canavan, Claire M. Nolan, Samantha S.C. Kon, Matthew Maddocks, Michael I. Polkey, William D.C. Man
PA3559	**Four-meter gait speed is useful to detect daily activity level in chronic respiratory diseases** Chieko Yoshida (Kumamoto, Japan), Chieko Yoshida, Hideharu Ideguchi, Aiko Masunaga, Keisuke Kojima, Susumu Hirosako, Hidenori Ichiyasu, Kazuiko Fujii, Hirotsugu Kohrogi
PA3560	**Patients with asthma moderate and severe presents reduced moderate levels of physical activity, less aerobic conditioning and poorly control of the asthma** Ronaldo Aparecido da Silva (Sao Paulo, Brazil), Ronaldo Aparecido da Silva, Patrícia Gonçalves Leite Rocco, Alberto Cukier, Rafael Stelmach, Milton de Arruda Martins, Celso Ricardo Fernandes Carvalho
PA3561	**Physiological determinants of rehabilitative-induced improvement in daily physical activity in patients with COPD** Eleni Kortianou (Athens, Alimos, Greece), Eleni Kortianou, Zafeiris Louvaris, Stavroula Spetsioti, Maroula Vasilopoulou, Nikolaos Chynkiamis, Nikolaos Anastasopoulos, Giorgos Kaltsakas, Nikos G. Koulouris, Ioannis Vogiatzis
PA3562	**Determinants of physical activity in patients with COPD: A longitudinal study** Tsung Yu (Zurich, Switzerland), Tsung Yu, Anja Frei, Ter Riet Gerben, Milo Puhan
PA3563	**Effects of low-intensity exercise and home-based pulmonary rehabilitation with pedometer feedback on physical activity in elderly patients with COPD** Atsuyoshi Kawagoshi (Akita city, Japan), Atsuyoshi Kawagoshi, Noritaka Kiyokawa, Masahiro Iwakura, Kazuki Okura, Keiyu Sugawara, Hitomi Takahashi, Shunichi Sakata, Masahiro Satake, Takanobu Shioya
PA3564	**Engaging technology for encouraging physical activity in COPD patients: A first user test** Chevone Barretto (Cambridge, United Kingdom), Chevone M. Barretto, Marian K.J. Dekker, Rita Priori, Charalampos Xanthopoulakis, Emiel F.M. Wouters, Mareike Klee, Martijn Spruit, Privender Saini
PA3565	**Cycling detection with a single activity monitor** Siete Frouws (Den Haag, Netherlands), Siete C. Frouws, Alex J. van ’t Hul, Johannes C.C.M. in ’t Veen, Jaap H. van Dieën, Rob C. van Lummel

Room G104-105 Session 393 10:45 - 12:45

Poster discussion: New models for treating airway diseases

Chairs : Irfan Rahman (Rochester, United States of America), Irene Heijink (Groningen, Netherlands)

PA3566 **Andrographolide restores steroid sensitivity to block LPS/IFN- -induced IL-27 and airway hyperresponsiveness in mice**
Wupeng Liao (Singapore, Singapore), Wupeng Liao, Wan Shun Daniel Tan, Wai-Shiu Fred Wong

PA3567 **Modeling human pulmonary inflammatory diseases and therapeutic responses in a microfluidic lung airway-on-a-chip**
Remi Villenave (Boston, United States of America), Remi Villenave, Kambez Benam, Carolina Lucchesi, Antonio Varone, Thomas Ferrante, Cedric Hubeau, Hyun-Hee Lee, Michael Salmon, Steve Alves, James Weaver, Geraldine Hamilton, Tony Bahinski, Donald Ingber

PA3568 **Effects of LTRA on T cell-induced bronchoconstriction in the mice**
Akio Mori (Sagamihara, Kanagawa, Japan), Akio Mori, Satoshi Kouyama, Miyako Yamaguchi, Y.O. Iijima, Akemi Ohtomo-Abe, Takayuki Ohtomo, Natsumi Saito, Arisa Kinoshita, Kentaro Watarai, Chihiro Mitsui, Chiyako Oshikata, Kiyoshi Sekiya, Takahiro Tsuburai, Mamoru Ohtomo, Yuma Fukutomi, Masami Taniguchi, Osamu Kaminuma

PA3569 **Effect of roflumilast on airway remodeling in a murine model of chronic asthma**
Hyoung Kyu Yoon (Seoul, Republic of Korea), Sei Won Kim, Chin Kook Rhee, Jin Woo Kim, Sook Young Lee, Joong Hyun Ahn, Hyoung Kyu Yoon

PA3570 **Cell therapy by adipose stromal cells affect tracheal responsiveness and inflammatory responses in guinea pigs model of COPD**
Mohammad Hossein Boskabady (Mashhad, Islamic Republic of Iran), Mohammad Hossein Boskabady, Azadeh Feizpour, Ahmad Ghorbani

PA3571 **Lung absorption half-life of inhaled drugs can be predicted with rat lung slices**
Erica Bäckström (Mölndal, Sweden), Erica Bäckström, Anders Lundqvist, Elin Boger, Margareta Hammarlund-Udenaes, Markus Fridén

PA3572 **Effect of simvastatin on steroid-resistence in human epithelial cultured cells: A preliminary study**
Luigino Calzetta (Rome, Italy), Luigino Calzetta, Barbara Rinaldi, Giuseppe Gritti, Maria Donniacuo, Giovanna Donnarumma, Maria Gabriella Matera

PA3573 **Antioxidant effects of bisphosphonates in smoking- induced lung injury in rat model**
Celalettin Korkmaz (Konya, Turkey), Celalettin Korkmaz, Durdu Mehmet Yavsan, Soner Demirbas, Pembe Oltulu, Ibrahim Kilinç, Mehmet Uyar, Mehmet Gok, Kursat Uzun

PA3574 **Organic components of diesel exhaust particles (DEP) activate airway sensory nerves via transient receptor potential ankrin-1 (TRPA1) ion channels**
Ryan Robinson (London, United Kingdom), Ryan Robinson, Michael Wortley, Eric Dubuis, Shu Chen, Sheng Hu, Sara Bonvini, Sarah Maher, John Adcock, Ian Mudway, Alexandra Porter, Terry Tetley, Mark Birrell, Maria Belvisi

PA3575 **Proteome profiling reveals candidate mediators of TGF- -induced glucocorticoid resistance**
Meina Li (Parkville, Australia), Meina Li, Christine Keenan, Yuxiu Xia, Alastair Stewart

PA3576 **Evaluation of antiinflammatory and antioxidant effect of mepenzolate in subacute cigarette exposure mouse model**
Aysun engül (KOCAEL , Turkey), Meyrem Ozkan, Aysun Sengul, Ceyla Eraldemir, Leman Huseynova, Firuzan Akar

PA3577 **Effects of anti-IL-1 , anti-IL-1 , anti-IL-18 and anti-IL-1RI antibodies on combined smoke and virus-induced airway inflammation in mice**
Hannes Bucher (Biberach an der Riss, Germany), Hannes Bucher, Martina Keck, Michel Przibilla, David Lamb, David Wyatt, Mareike Wittenbrink, Klaus Fuchs, Birgit Jung, Klaus J. Erb, Daniel Peter

PA3578 **Tissue distribution of inhalation drugs in rat lung slices**
Erica Bäckström (Mölndal, Sweden), Erica Bäckström, Anders Lundqvist, Elin Boger, Petter Svanberg, Pär Ewing, Margareta Hammarlund-Udenaes, Markus Fridén

PA3579 **Cellular mechanisms underlying CCSP SNP association with chronic airway diseases**
Lucie Knabe (Montpellier, France), Lucie Knabe, Jennifer Bonini, Jessica Varilh, Petit Aurélie, Isabelle Vachier, Pascal Chanez, Magali Taulan, Arnaud Bourdin

PA3580 **Direct relationship between inhibition of leukotriene release in lung and free plasma concentration of a LTC_4 synthase inhibitor in a rat model**
Linda Swedin (Mölndal, Sweden), Linda Swedin, Eva Lamm Bergström, Theresa Andreasson, Magnus Munck af Rosenschöld, Britta Bonn, Andy Davis

PA3581 **A human-like ex vivo preclinical model for aerosol deposition studies**
Sophie PERINEL Ragey (Cellieu, France), Sophie Perinel Ragey, Jérémie Pourchez, Lara Leclerc, John Avet, Marc Durand, Nathalie Prevot, Michèle Cottier, Jean Michel Vergnon

PA3582 **Extent of inhaled drug deposition in mouth-throat and pulmonary airways: A novel biophysical modelling approach for inhaled therapeutics**
Andreas Kuttler (Basel, Switzerland), Andreas Kuttler, Thomas Dimke

PA3583 **Novel oral voltage-gated sodium channel (Na_v) inhibitors inhibit capsaicin induced cough in conscious guinea pigs**
Monica Aparici Virgili (Sant Feliu de Llobregat, Spain), Jorge De Alba, Monica Aparici, Joan Antoni Fernández-Blanco, Silvia Fonquerna, Laia Sole, Israel Ramos, Marisa Vinyals, Sonia Sentellas, James Duffy, Gary Clark, Damian Bell, Montserrat Miralpeix

Room G106-107 Session 394 10:45 - 12:45

Poster discussion: Co-existing diseases and asthma

Chairs : Cesar Picado (Barcelona, Spain), Vibeke Backer (Copenhagen, Denmark)

PA3584 **Treatment of concomitant obstructive sleep apnea/hypopnea syndrome in patients with persistent poorly controlled bronchial asthma - Real opportunity to improve asthma control**
Liudmyla Iashyna (Kiev, Ukraine), Liudmyla Iashyna, Yurii Feshchenko, Maryna Polianska, Viktoria Ignatieva, Inna Zvol, Svitlana Moskalenko, Natalia Kramarska, Svitlana Opimakh, Iryna Chumak, Natalia Diachenko, Ksenia Nazarenko

PA3585 **The method of evaluation of -receptor's activity changes**
Olga Agapova (Lubertsy Moscow region, Russian Federation), Olga Agapova, Kirill Zykov, Yuri Skoblov, Valery Masenko, Irina Chazova

PA3586 **The use of ambulatory blood pressure monitoring in patients with bronchial asthma and hypertension**
Marina Zakharova (Simferopol, Ukraine), Marina Zakharova, Natalia Zhukova, Olga Krjuchkova

PA3587 **The clinical features of asthma-COPD overlap syndrome compared to asthma with irreversible airway obstruction**
Olga Kharevich (Minsk, Belarus), Kharevich Olga, Lapteva Irina, Lapteva Elena, Koroleva Elena, Shpakouskaya Natalia, Kovalenko Dmitry, Dzusmikeeva Marina

PA3588 **Nasal disease in chronic severe asthma (CSA) and eosinophilic granulomatosis with poliangiitis (EGPA)**
Manuela Latorre (Pisa, Italy), Manuela Latorre, Veronica Seccia, Chiara Baldini, Letizia Vergura, Federica Novelli, Marias Laura Bartoli, Silvana Cianchetti, Elena Bacci, Federico Dente, Antonella Di Franco, Pierluigi Paggiaro

PA3589 **Comorbidity and some issues of cardiovascular disorders in disabled asthma patients**
Svitlana S Panina (Dniepropetrovsk, Ukraine), Anatoliy Ipatov, Svitlana Panina, Nataliia Sanina, Nataliia Gondulenko, Svitlana Panina

PA3590 **Low vitamin D level and adult-onset bronchial asthma: Is there a link?**
Mariia Goremykina (Samara, Russian Federation), Marya Goremykina, Vitalii Kypaev

PA3591 **Outpatients with asthma and irreversible airflow limitation - Some clinical characteristics**
Zlatina Ivanova (Pleven, Bulgaria), Zlatina Ivanova, Iliya Krachunov, Nikolay Kyuchukov, Nikolay Yanev, Pavlina Glogovska, Plamen Pavlov, Tsania Popova, Yavor Ivanov

PA3592 **The impact of ethnicity on patients presenting with acute asthma exacerbation: The experiences of an inner city district general hospital**
Adam Ainley (London, United Kingdom), Adam Ainley, Tara Maisel, Anna Seeley

PA3593 **Health related quality of life in asthmatic subjects after 3 months treatment with inhaled corticosteroids**
Howraman Meteran (Copenhagen, Denmark), Howraman Meteran, Christian Grabow Westergaard, Vibeke Backer

PA3594 **Continuity study of the bone mineral density reduction in long term use of inhaled corticosteroids**
Zoran Stojanovski (Skopje, FYROM (Macedonia)), Zoran Stojanovski, Trajce Nicevski, Jordan Minov

PA3595 **Clinical features of asthma complicated with eosinophilic otitis media and the effect of treatment with the anti-IgE monoclonal antibody omalizumub**
Etsuko Tagaya (Tokyo, Japan), Etsuko Tagaya, Ayako Kubo, Hiroko Sekine, Rie Misobuchi, Katsunori Ochiai, Kiyoshi Takeyama, Mitsuko Kondo, Kazuo Isono, Jun Tamaoki

PA3596 **Importance of meanplatelet volume, platelet distribution width and red blood cell distribution width in asthmatic subjects**
brahim Koç (GAZ ANTEP, Turkey), Ibrahim Koc, Yusuf Dogan, Serdar Dogan

PA3597 **Respiratory complaints with the syndrome Dunbar simulate asthma**
Ludmila F Kovaleva (Saint-Petersburg, Russian Federation), Ludmila Kovaleva, Aleksei Gichkin, Vitaly Perley, Anatoly Ignashev, Maria Petrova, Elena Privalova, Nadezhda Jakovleva, Olga Titova

PA3598 **Severe sleep apnea syndrome associated with chronic cough without daytime sleepiness**
Naoko Yokohori (Chiba, Japan), Naoko Yokohori, Mizue Hasegawa, Akitoshi Sato, Hideki Katsura

PA3599	**Allergic and non-allergic rhinitis in children** Vamekh Kherkheulidze (Tbilisi, Georgia), Maia Kherkheulidze, Nani Kavlashvili, Eka Kandelaki, Vamekh Kherkheuldize, Nino Adamia
PA3600	**The parameters that may affect inhalation therapy success in elderly COPD and asthma patients** Muzaffer Onur Turan (Çanakkale, Turkey), Onur Turan, Turgay Kasan, Pakize Ayse Turan, Arzu Mirici
PA3601	**Precision of bronchoprovocation testing in the diagnosis of exercise-induced laryngeal obstruction** Emil Schwarz Walsted (Frederiksberg, Denmark), Emil Schwarz Walsted, James Hull, Asger Sverrild, Celeste Porsbjerg, Vibeke Backer

Room 13.2 Session 395 10:45 - 12:45

Poster discussion: Modulating the immune system in COPD and asthma

Chairs : Gary P. Anderson (Parkville, Australia), Jonas Erjefalt (Lund, Sweden)

PA3602	**Time course of serum inhibitory activity for facilitated allergen-IgE binding during house dust mite immunotherapy** Jing Li (Guangzhou, China), Mulin Feng, Zhaowei Yang, Jing Li
PA3603	**IL-13 induces glucocorticoid-insensitive hyperreactivity of human small airways** Anna James (Stockholm, Sweden), Martijn Manson, Anna James, Jesper Säfholm, Mamdoh Al-Ameri, Per Bergman, Ann-Charlotte Orre, Sven-Erik Dahlén, Mikael Adner
PA3604	**Tiotropium Respimat® add-on therapy in children with symptomatic asthma** Christian Vogelberg (Dresden, Germany), Christian Vogelberg, Petra Moroni-Zentgraf, Migle Leonaviciute-Klimantaviciene, Ralf Sigmund, Eckard Hamelmann, Michael Engel, Stanley Szefler
PA3605	**IL-17A is specifically elevated in NTHi-associated AECOPD and end-stage COPD** Abraham Roos (Hamilton, Canada), Abraham Roos, Sanjay Sethi, Leif Bjermer, Christopher Stevenson, Jonas Erjefalt, Martin Stampfli
PA3606	**Efficacy of tiotropium Respimat® in adults with moderate asthma, by baseline LTRA use** Ronald Dahl (Odense C, Denmark), Ronald Dahl, Thomas Casale, Eugene Bleecker, Emilio Pizzichini, Michael Engel, Petra Moroni-Zentgraf, Louis Bour, Huib Kerstjens
PA3607	**Ultra-rush sublingual immunotherapy: Safety of use for patients with various allergic manifestations** Zied Moatemri (Ariana, Tunisia), Zied Moatemri, Nidhal Belloumi, Salsabil Dabboussi, Samira Mhamdi, Abir Hedhli, Chiraz Aichaouia, Mohsen Khadraoui, Rezaik Cheikh
PA3609	**BioPhysical bronchodilator: A new class of respiratory drug** John Dennis (Calgary, Canada), John Dennis, Richard Leigh, Tamer ElMays, Francis Green
PA3610	**Aspergillus fumigatus sensitization in COPD and smokers** Stéphanie Everaerts (Leuven, Belgium), Stephanie Everaerts, Erna Van Hoeyveld, Kristina Vermeersch, Lieven Dupont, Bart Vanaudenaerde, Xavier Bossuyt, Katrien Lagrou, Wim Janssens
PA3611	**The utility of HLA-DQB302 as a genetic marker to predict the effect of aspirin desensitization on lung function of patients with aspirin exacerbated respiratory disease** Zahra Aryan (Tehran, Islamic Republic of Iran), Zahra Aryan, Hossein Esmaeilzadeh, Ali Akbar Amirzargar, Mohammad Nabavi
PA3612	**Differentiate late-onset asthma and COPD by CD4+ T memory cells in peripheral blood** Zhihong Chen (Shanghai, China), Zhihong Chen, Kan Xu, Xinjun Tang, Zhihui Min, Xiangdog Wang
PA3613	**Periostin and TSLP: New markers useful in diagnosis of obstructive lung disease** Patrycja Nejman-Gryz (Warsaw, Poland), Patrycja Nejman-Gryz, Katarzyna Górska, Magdalena Paplinska-Goryca, Malgorzata Proboszcz
PA3614	**Upregulation of the high-affinity IgE receptor on plasmacytoid dendritic cells in severe COPD** Paul Stoll (Rostock, Germany), Paul Stoll, Anne Baehker, Martin Ulrich, Kai Bratke, Katharina Garbe, J. Christian Virchow, Marek Lommatzsch
PA3615	**Differences in systemic immune function contribute to exacerbation susceptibility in COPD patients** Jasper Geerdink (Nijmegen, Netherlands), Jasper Geerdink, Sami Simons, Rebecca Pike, Jadwiga Wedzicha, Hans Stauss, Yvonne Heijdra, John Hurst
PA3616	**Diagnostic implications of sTREM-1 in induced sputum and BAL fluid of patients with asthma and COPD** Ma gorzata Proboszcz (Kielce, Poland), Malgorzata Proboszcz, Katarzyna Górska, Magdalena Paplinska-Goryca, Patrycja Nejman-Gryz

PA3617	**Increased circulating alveolar epithelial microparticles in COPD patients** Toru Takahashi (Montreal, Canada), Toru Takahashi, Mitsuhiro Yamada, Seiichi Kobayashi, Tomonori Makiguchi, Chiharu Ota, Hiroshi Kubo
PA3618	**Risk factors for frequent exacerbations in (ex)smoking and never-smoking adult-onset asthma patients** Guus Westerhof (Amsterdam, Netherlands), Guus Westerhof, Christa De Groot, Marijke Amelink, Selma De Nijs, Els Weersink, Anneke Ten Brinke, Elisabeth Bel
PA3619	**Evaluation of protease-antiprotease imbalance in moderate COPD without antitrypsin deficiency** Charanjeet Kaur (New Delhi, India), Charanjeet Kaur, Balakrishnan Menon, Mohammad Yusuf Dar, Harsh Vardhan

Room E102 Session 396 10:45 - 12:45

Poster discussion: Paediatric pulmonary infections

Chairs : Jayesh M. Bhatt (Nottingham, United Kingdom), Kostas Priftis (Haidari, Athens, Greece)

PA3620	**LATE-BREAKING ABSTRACT: Sphingolipids in tracheal aspirates of prematurely born infants with and without BPD** Esther van Mastrigt (Rotterdam, Netherlands), Esther van Mastrigt, Salome Zweekhorst, Bas Bol, Jeroen Tibboel, Joost van Rosmalen, Andre Kroon, Johan de Jongste, Irwin Reiss, Martin Post, Marielle Pijnenburg
PA3621	**How dangerous are respiratory tract infections with enterovirus D68?** Jasna Rodman (Ljubljana, Slovenia), Jasna Rodman, Tita Butenko, Ana Kotnik Pirš, Dušanka Lepej, Marina Praprotnik, Tina Uršic, Miroslav Petrovec, Uroš Krivec
PA3622	**Metapneumovirus infection vs. metapneumovirus and RSV coinfection. Is there a difference?** Kenneth Escobar (Quetzaltenango, Guatemala), Kenneth Escobar, Astrid Godinez, Estuardo Funes Merida, Fabiola Moscoso
PA3623	**Detection of Hemophilus Influenzae in children with respiratory syncytial virus and rhinovirus lower respiratory tract infection** Patricia Diaz Amor (Santiago, Chile), Patricia Diaz, Henry Reynolds, Guillermo Zepeda, Aldo Gaggero, Mabel Rivas, Paola Uasapud, Ricardo Pinto, Maria Lina Boza
PA3624	**Persistence of respiratory syncytial virus replication in lung dendritic cells** Mark Everard (Perth, Australia), Angela Fonseca, Naomi Scott, Deborah Strickland, Mark Everard
PA3625	**Palivizumab prophylaxis for respiratory syncytial virus (RSV) in infants with cystic fibrosis (CF) and respiratory illness hospitalizations** Candice Bjornson (Calgary, Canada), Candice Bjornson, Parco Chan, Abby Li, Bosco Paes, Krista Lanctot, Ian Mitchell
PA3626	**Working with families: Lessons from a Canadian registry of palivizumab use** Ian Mitchell (Calgary, Canada), Ian Mitchell, Parco Chan, Abby Li, Hao Yi, Bosco Paes, Krista Lanctot
PA3627	**Up-regulation of serum periostin and squamous cell carcinoma antigen levels in respiratory syncytial virus bronchitis of infants** Hiroaki Nakamura (Tokyo, Japan), Hiroaki Nakamura, Kenichi Akashi, Masako Watanabe, Shoichiro Ohta, Junya Ono, Yoshinori Azuma, Takashi Sekine, Kenji Izuhara, Toshio Katsunuma
PA3628	**Ubiquitination of DDX21 in airway epithelial cells infected with respiratory syncytial virus** Dorota Chudek (Lublin, Poland), Dorota Chudek, Rachel Corkhill, Rob Beynon, Paul McNamara, Brian Flanagan
PA3629	**RSV-RNA load in infants hospitalized for bronchiolitis and recurrent wheezing at 36 months follow-up** Raffaella Nenna (Rome, Italy), Raffaella Nenna, Ambra Nicolai, Antonella Frassanito, Giulia Cangiano, Concetta Schiavariello, Marianna Eleonora Grande, Marianna Ferrara, Carolina Scagnolari, Alessandra Pierangeli, Corrado Moretti, Fabio Midulla
PA3630	**Presentation and diagnostic delay in ataxia telangiectasia (A-T)** Jayesh M. Bhatt (Nottingham, United Kingdom), Rebecca Devaney, Sara Pasalodos, Mohnish Suri, Andrew Bush, Jayesh Bhatt
PA3631	**Characteristics and outcomes of pulmonary hydatid disease in children: About 70 cases** Chirine Moussa (Ezahra, Tunisia), Anissa Berraies, Chirine Moussa, Besma Hamdi, Ala Aqqad, Saberine Louhaichi, Jamel Ammar, Tarek Kilani, Agnes Hamzaoui
PA3632	**Swallow aspiration and respiratory symptoms in normally developing children** Alison Kelly (London, United Kingdom), Stacey Zimmels, Alison Kelly, Louise Fleming

PA3633 **Cathelicidin (LL-37) ve human 2 defensin levels in bronchoalveolar fluid of pediatric patients with non-cystic fibrosis bronchiectasis**
Ahmet Hakan Gedik (Istanbul, Turkey), Ahmet Hakan Gedik, Erkan Cakir, Bilge Gultepe, Tarik Umutoglu, Hayrettin Daskaya

PA3634 **Protein profiling of pleural fluid in guiding management of infectious parapneumonic effusion in children**
Chih-Yung Chiu (Keelung, Taiwan), Chih-Yung Chiu, Kin-Sun Wong, Shen-Hao Lai, Jen-Kun Chen, Jing-Long Huang

PA3635 **Can blood or urine IP-10 discriminate between active and no active tuberculosis in children?**
Linda Petrone (Rome, Italy), Linda Petrone, Angela Cannas, Francesco Aloi, Martin Nsubuga, Joseph Sserumkuma, Ritah Angella Nazziwa, Levan Jugheli, Tedson Lukindo, Enrico Girardi, Klaus Reither, Delia Goletti

PA3636 **Clinical characteristics of chlamydia trachomatis respiratory tract infections in young infants in South Korea**
Yong-Han Sun (Inchon, Republic of Korea), Yonghan Sun

Room D201-202 Session 397 10:45 - 12:45

Poster discussion: Paediatric asthma and allergy: lung function and biomarkers

Chairs : Silvia Carraro (Padova, Italy), Florian Singer (Zurich, Switzerland)

PA3637 **Changes in inspiratory resistance after exercise challenge relate to subclinical airways inflammation in adolescents without FEV_1-fall**
Andrei Malinovschi (Uppsala, Sweden), Henrik Johansson, Pasquale Pompilio, Margareta Emtner, Raffaele Dellaca, Andrei Malinovschi

PA3638 **Airway inflammation and hyperresponsiveness study in skier children determined by induced sputum and mannitol test**
Gerardo Vizmanos-Lamotte (PAL, Andorra), Gerardo Vizmanos-Lamotte, Elisa Canturri Gispert, Lluís Alvarez Castillo, Carola Ribó Campa, Monique Henket, María Jesús Cruz, Renaud Louis, Antonio Moreno-Galdó

PA3639 **Spirometry and multiple breath nitrogen washout (MBNW) before and after cold dry air challenge (CACh) in children and adolescents with asthma**
Andreas Pfleger (Hartberg, Austria), Andreas Pfleger, Michael Steinbacher, Gerold Schwantzer, Elisabeth Weinhandl, Ernst Eber

PA3640 **Addressing current gaps in the clinical utility of lung clearance index (LCI) in school aged children with asthma**
Reinoud De Leeuw (Rotterdam, Netherlands), Reinoud De Leeuw, Sam Irving, Sejal Saglani

PA3641 **Structured light plethysmography: New method to evaluate expiratory flow limitation in asthmatic children**
Michele Ghezzi (Verona, Italy), Michele Ghezzi, Laura Tenero, Michele Piazza, Alessandro Bodini, Giorgio Piacentini

PA3642 **Changes in respiratory function following bronchodilator in acute paediatric asthma measured using structured light plethysmography**
Hamza Hmeidi (Stoke on Trent, United Kingdom), Hamza Hmeidi, Ed Chadwick, Warren Lenney, Francis Gilchrist, Rachel Wilson, Shayan Motamedi-Fakr, Richard Iles, John Alexander

PA3643 **Non-invasive, non-contact measurement of tidal breathing parameters in children aged 3-17 years using structured light plethysmography (SLP)**
Hamza Hmeidi (Stoke on Trent, United Kingdom), Hamza Hmeidi, Ed Chadwick, Warren Lenney, Francis Gilchrist, John Alexander, Rachel Wilson, Shayan Motamedi-Fakr, Richard Iles

PA3644 **Different equations in preschool wheezing children**
Paula Pinto (Lisbon, Portugal), Paula Leiria-Pinto, Pedro Martins, Isabel Peralta, Sara Serranho, Nuno Neuparth

PA3645 **Relevance of $FEF_{25–75\%}$ and $FEF_{75\%}$ measurements in lung function evaluation of preschool and young school-age children**
Fabrícia Carolino (Porto, Portugal), Fabrícia Carolino, Carla Martins, Artur Vilela, Mário Miranda, José Luís Plácido

PA3646 **Asthmatic children that are uncontrolled despite inhaled corticosteroids have a distinct breathprint: Results of the PACMAN2 study**
Susanne Vijverberg (Utrecht, Netherlands), Susanne Vijverberg, Paul Brinkman, Jan Raaijmakers, Kors Van der Ent, Peter Sterk, Anke-Hilse Maitland- van der Zee, Leo Koenderman

PA3647 **Fractional exhaled nitric oxide during acute viral bronchiolitis and future asthma at the age of four years**
guy gut (Shefayim, Israel), Guy Gut, Keren Armoni-Domany, Musa Hindiyeh, Ella Mendelson, Yakov Sivan

PA3648 **Exhaled nitric oxide in pediatric athletes admitted to a sports medicine department**
Radu Diaconu (Craiova, Romania), Radu Diaconu, Ligia Stanescu, Carmen Diaconu, Carmen Niculescu

PA3649 **Exhaled nitric oxide in asthma: Relationship with breath gymnastic and FeNO levels**
Mary Glukhova (Moscow, Russian Federation), Mary Glukhova, Natalya Geppe, Svetlana Soodaeva, Natalya Kolosova

PA3650 **Expression of inflammatory markers in sputum cells and cytokine production by different asthma phenotypes in children**
Alla Nakonechna (Neston, United Kingdom), Alla Nakonechna, Yurij Antipkin, Tatiana Umanets, Vladimir Lapshyn, Tamara Zadorozhnaja, Olga Pustovalova

PA3651 **Serum zinc level in asthmatic and healthy school children**
Aseel Zeidan (Doha, Qatar), Aseel Zeidan, Atqah AbdulWahab, Tony Avades, Prem Chandra

PA3652 **Serum and exhaled condensate leptin levels in asthmatic and obese children: A pilot study**
Laura Tenero (Verona, Italy), Laura Tenero, Alessandro Bodini, Laura Zanoni, Michele Piazza, Giorgio Piacentini

PA3653 **Usefulness of periostin as a biomarker of pediatric asthma**
Takashi Inoue (Kanagawa, Japan), Takashi Inoue, Kenichi Akashi, Suzuki Ryohei, Masako Watanabe, Kenji Izuhara, Shoichito Ohta, Junya Ono, Noriyuki Yanagida, Sakura Sato, Motohiro Ebisawa, Shuuichi Ashizuka, Toshio Katsunuma

PA3654 **Systemic cytokine signaling via IL-17 and its relation to clinical characteristics in children with asthma**
Mohanna Mahmoud Alavi (Stockholm, Sweden), Mohanna Mahmoud Alavi, Björn Nordlund, Sara Thunberg, Hans Grönlund, Joakim Lundahl, Gunilla Hedlin, Anders Lindén, Jon Konradsen

Hall 14-01 Session 398 12:50 - 14:40

Thematic poster: Different data in COPD

Chairs : Tiziana Patrizia Cremona (Bern, Switzerland), Claus Vogelmeier (Marburg, Germany), Job van Boven (Groningen, Netherlands), Josef Bolitschek (Steyr, Austria)

PA3655 **Human herpesvirus type 8 in patients with chronic obstructive pulmonary disease**
Cheng-Chuan Su (Chiayi County, Taiwan), Cheng-Chuan Su, Shih-Ming Tsao, Chun-Liang Lai, Ming-Nan Lin, Jen-Pi Tsai

PA3656 **Flow-mediated dilation of the brachial artery and endothelial dysfunction in different COPD phenotypes**
Andrea Vukic Dugac (Zagreb, Croatia), Andrea Vukic Dugac, Alen Ruzic, Sanja Popovic-Grle, Ana Hecimovic, Mateja Jankovic Makek, Miroslav Samarzija, Marko Jakopovic

PA3657 **Evaluation of arrhythmia frequency in patients with COPD**
Akinori Ebihara (Tokyo, Japan), Akinori Ebihara, Asuka Nagai, Naoko Imamura, Tokuzen Iwamoto, Ichiro Kuwahira

PA3658 **Maximal walking as a risk factor of impairment of platelet aggregation in COPD subjects**
Vladimír Koblížek (Hradec Kralove, Czech Republic), Vladimir Koblizek, Katerina Neumannova, Ilona Fatorova, Doris Vokurkova, Vratislav Sedlak, Jan Svancara, Michal Svoboda, David Prazak, Barbora Koblizkova, Barbora Novotna, Zdenek Svoboda

PA3659 **Bullous Emphysema with predominant apical involvement as a pathognomonic feature of Cannabis lung**
Narendrababu Rampura Chinnappa (Swansea, United Kingdom), Narendra Babu Rampura Chinnappa, Kasia Zalewska, Damian John Mckeon

PA3660 **COPD and pneumonia**
Burcu Arpinar Yigitbas (Istanbul, Turkey), Burcu Arpinar Yigitbas, Sibel Yurt, Baris Seker, Celal Satici, Ayse Filiz Kosar

PA3661 **Audit 2014: Standard of inpatient care during exacerbation of COPD in Territory Care Hospital, Pakistan**
Saima Akhter (Karachi, Pakistan), Saima Akhter, Nadeem Rizvi

PA3662 **Early phenotypes of chronic obstructive pulmonary disease (COPD)**
Gulchekhra Tashmetova (Tashkent, Uzbekistan), Gulchekhra Tashmetova

PA3663 **Variability in clinical practice for chronic obstructive pulmonary disease in outpatient clinics**
Maria Abad Arranz (Sevilla, Spain), María Abad Arranz, Carmen Calero Acuña, Fernando Romero Valero, Antonio Hidalgo Molina, Ruth Ayerbe Garcia, Ricardo Ismael Aguilar Perez-Grovas, Francisco Garcia Gil, Laura Caballero Ballesteros, Francisco Casas Maldonado, Maria Sánchez Palop, Alejandro Segado Soriano, Dolores Pérez Tejero, José Calvo Bonachera, Bárbara Hernández Sierra, Adolfo Doménech del Rio, Macarena Arroyo Valera, Francisco Gonzalez Vargas, Juan José Cruz Rueda, José Luis López-Campos Bodineau

PA3664 **COPD and BMI at primary level**
Dejan Aleksovski (Skopje, FYROM (Macedonia)), Dejan Aleksovski, Zoran Stojanovski, Ivana Babalj Veljanovski

PA3665 **The relationship between dyspnea and detection of depression in COPD patients (pts)**
Yuliia Huba (Dnipropetrovsk, Ukraine), Tetyana Pertseva, Lyudmila Konopkina, Yuliia Huba

PA3666 **Relation betweeen vitamin D levels and clinical properties of COPD patients**
Derya Kocakaya (Istanbul, Turkey), Derya Kocakaya, Ozan Kocakaya, Berrin Bagci Ceyhan

PA3667 **Estimation of tiotropium efficacy at the COPD patients with group D**
Anna V Demchuk (Vinnytsia, Ukraine), Yuriy Mostovoy, Tetyana Konstantynovych, Anna Demchuk

PA3668 **Different response of lung tissue to intravenous acetylated opium**
Maria Sanzharovskaya (Tomsk, Tomsk Oblast, Russian Federation), Maria Sanzharovskaya, Mikhail Bragin, Ekaterina Budankova, Elena Ustyuzhanina, Evgeniy Kuzin, Anna Fisenko, Galina Chernyavskaya, Georgy Chernogoryuk

PA3669 **Serum levels of leptin and visfatin in chronic obstructive pulmonary disease**
Ceylan Ayada (Kütahya, Turkey), Ceylan Ayada, ümran Toru, Osman Genç, Server Sahin, özlem Arik, Ismet Bulut

PA3670 **Comparison of efficacy of grippe vaccination and broncho vaxom administration in COPD patients**
Zoran Stojanovski (Skopje, FYROM (Macedonia)), Zoran Stojanovski, Goran Andonovski, Miralem Jukic, Olgica Kuzarevska-Blazevska

PA3671 **Delay in diagnosis of COPD leading to poor prognosis of disease**
Imen Bachouch (Ariana, Tunisia), Imen Bachouch, Rana Fessi, Fatma Chermiti, Sofia Taktak, Amel Chtourou, Souraya Fenniche

PA3672 **Surfactant protein D (SPD) like marker of effectiveness in patients (pts) with acute exacerbations (AE) of COPD ofphosphatidylcholine treatment outcomes**
Olga Shtepa (Dnipropetrovsk, Ukraine), Olga Shtepa, Tetyana Pertseva, Tetyana Kireyeva

PA3673 **Effectiveness of vaccination of patients with combination of COPD and coronary heart disease (CHD)**
Galina Ignatova (Chelyabinsk, Chelyabinsk Oblast, Russian Federation), Galina Ignatova, Vladimir Antonov, Olga Rodionova

PA3674 **Co-morbidity and hospitalization rate in patients (pts) with acute exacerbation (AE) of COPD**
Kateryna Gashynova (Dniepropetrovsk, Ukraine), Kateryna Gashynova, Kateryna Bogatska

Hall 14-02 Session 399 12:50 - 14:40

Thematic poster: Acute and chronic lung diseases: good clinical practice

Chairs : Dario Olivieri (Parma, Italy), Maurizio Marvisi (Cremona, Italy), Philippe Camus (Dijon, France), Laureano Molins Lopez-Rodo (Barcelona, Spain)

PA3675 **A case of recurrent pneumonia due to Arnold Chiari malformation**
Ezgi Demirdögen Cetinoglu (Bursa, Turkey), Ezgi Demirdogen Cetinoglu, özge Aydin Guclu, Asli Gorek Dilektasli, Ahmet Ursavas, Mehmet Karadag

PA3676 **Delayed Birt-Hogg-Dube syndrome diagnosis in the absence of telltale skin lesions**
Rolf Wolters (Houten, Netherlands), Rolf Wolters, Joost Van Gorp, Floris Sanders, Cees Perre, Gijs Limonard

PA3677 **Transudative chylothorax in a patient with pulmonary hypertension**
Sedat Kuleci (Adana, Turkey), Sedat Kuleci, Oya Baydar, Efraim Güzel, Ismail Hanta

PA3678 **An atypical presentation of granulomatosis with polyangiitis (GPA) with pituitary involvement**
Badar Ganaie (Walsall, United Kingdom), Muhammad Badar Ganaie, Ajit Thomas

PA3679 **Phrenic nerve palsy secondary to Parsonage-Turner syndrome: A case series**
Tom McEnery (Dublin, Ireland), Thomas McEnery, Aisling McGowan, John Faul, Conor Burke, Ronan Walsh, Liam Cormican

PA3680 **Validation of SleepMinder as non-contact device for sleep-disordered breathing and periodic limb movement**
Gerhard Weinreich (Essen, Germany), Gerhard Weinreich, Sarah Terjung, Yi Wang, Stefanie Werther, Alberto Zaffaroni, Helmut Teschler

PA3681 **Hypoxic? Don’t "pop" to the shops**
Rob Hallifax (Oxford, United Kingdom), Rob Hallifax, Tina O’Hara, Amulya Misra

PA3682 **Intrathoracic mass as an initial presentation of follicular carcinoma of thyroid: A rare entity**
Ashwini Mishra (Lucknow, India), Ashwini Mishra, Surya Kant, Anand Srivastava, Ajay Verma, Nuzhat Hussain, Rahul Kumar, Karthik Nagaraju

PA3683 **Granulomatous lymphadenitis: Experience of a portuguese oncologic institute**
Madalena Sofia Antunes Reis (Paúl-Covilhã, Portugal), Madalena Reis, Paulo Mota, Jorge Dionísio, José Duro da Costa

PA3684 **Association of pulmonary and cardiac manifestations in patients with primary antiphospholipid syndrome: A review of the Serbian national cohort study**
Milica Kontic (Belgrade, Republic of Serbia), Milica Kontic, Ljudmila Stojanovich, Aleksandra Djokovic

PA3685 **Antineutrophil cytoplasmic antibodies (ANCA) associated-bronchiectasis appears more severe than "idiopathic" bronchiectasis**
Tasnime Issoufaly (Paris, France), Tasnime Issoufaly, Raphaël Lhote, Louis-Jean Couderc, Leila Zemoura, Colas Tcherakian

PA3686 **Pulmonary manifestations in patients with IgG4-related disease at a tertiary care institute**
Lancelot Pinto (Mumbai, India), Radhika Banka, G.C. Yathish, C. Balakrishnan, Rohini Samant, Lancelot Pinto

PA3687 **Vitamin D concentration and patient reported outcomes in sarcoidosis**
Branislav Gvozdenovic (Belgrade, Republic of Serbia), Branislav S. Gvozdenovic, Violeta Vucinic, Mira Vukovic, Mihailo Stjepanovic

PA3688 **A case of Ehlers-Danlos syndrome with hemoptysis**
Yasemin Ates (Istanbul, Turkey), Yasemin Ates, Zuleyha Bingol, Turhan Ece

PA3689 **Red cell distribution width (RDW) as a biomarker of disease severity in ILD patients**
Rahul Katyal (Chandigarh, India), Rahul Katyal, Ashok Janmeja, Vivek Ku

PA3690 **Cardiac sarcoidosis detected by magnetic resonance imaging – Preliminary report of prospective study**
Magdalena Martusewicz-Boros (Warsaw, Poland), M. Martusewicz-Boros, E. Wiatr, D. Piotrowska-Kownacka, J. Fijolek, D. Gawryluk, J. Grudny, K. Modrzewska, U. Nowicka, M. Polaczek, E. Radzikowska, J. Szopinski, J. Winek, J. Zaleska, J. Zych, K. Roszkowski-Śliz

PA3691 **Are there any predictors of MTX response in progressive pulmonary sarcoidosis?**
Anna Goljan Geremek (Warsaw, Poland), Anna Goljan Geremek, Michal Bednarek, Urszula Demkow, Elzbieta Puscinska, Adam Nowinski, Dorota Gorecka

PA3692 **Sarcoidosis: Changed phenotype and worsening of the course by overtime**
Metin Basaranoglu (Istanbul, Turkey), Sevtap Sipahi, Metin Basaranoglu, Mert Bal, Tuncer Karayel

PA3693 **Chemical injury: Reality or myth?**
mehrnaz mozaffarian (Tehran, Islamic Republic of Iran), Mehrnaz Mozaffarian, Ali Panahi, Majid Malekmohammad, Hamidreza Jamaati

PA3694 **Takayasu arteritis with endobronchial involvement**
Dildar Duman (Istanbul, Turkey), Meltem çoban Agca, Dildar Duman, Fatma Merve Tepetam, Fatma Tokgöz, Ayçim Sen, Hakan Günen, Tülay Yarkin

Hall 14-03 Session 400 12:50 - 14:40

Thematic poster: Latest insights into chronic care

Chairs : Claudio Ferdinando Donner (Borgomanero, Italy), Heleen Demeyer (Halle, Belgium), Chris Burtin (Diepenbeek, Belgium), William Man (Harefield, United Kingdom)

PA3695 **IPF Care, a support program for patients with idiopathic pulmonary fibrosis in the UK**
Nazia Chaudhuri (Sheffield, United Kingdom), Annette Duck, Lucy Pigram, Deeba Ahmed, Nazia Chaudhuri

PA3696 **Characterization of patients with COPD GOLD stage I and II referred for pulmonary rehabilitation**
Dionne Smid (Horn, Netherlands), Dionne Smid, Frits Franssen, Sarah Wilke, Jean Muris, Gernot Rohde, Paul Jones, Emiel Wouters, Martijn Spruit

PA3697 **Tracheostomized (TCS) patients: Is it possible to manage noninvasively tracheobronchial secretions?**
Francesco D'Abrosca (Veruno, Italy), Francesco D'Abrosca, Ilaria Prince, Stefano Belli, Claudia Carai, Michela Moroso, Davide Vallese, Elisa Spada, Sergio Zaccaria, Bruno Balbi

PA3698 **Benefits of a reservoir nasal cannula (Oxymizer®) vs. a conventional nasal cannula during exercise in hypoxemic patients with pulmonary fibrosis**
Inga Heinzelmann (Schonau am Konigssee, Germany), Inga Heinzelmann, Rainer Gloeckl, Laura Wiegand, Max Matthaei, Klaus Kenn

PA3699 **Improving Advance Care Planning in a respiratory inpatient setting using the SPICT tool**
Thomas Charlton (Brighton, United Kingdom), Thomas Charlton, Sarah Khosravi, Stephen Bass, Louise Mason, Katharine Hurt

PA3700	**Determination of lesion specific reference equations for respiratory function in individuals with spinal cord injury** Anja Raab (Lucerne, Switzerland), Anja M. Raab, Sonja De Groot, Marcel W.M. Post, David J. Berlowitz, Jacinthe Adriaansen, Franz Michel, Maria T.E. Hopman, Gabi Müller
PA3701	**Pulmonary function and respiratory muscular strength in end-stage renal disease patients under hemodialysis** Aline Danaga (Avaré, Brazil), Aline Danaga, Israel Santos, Caroline Gonçalves, Jéssica Tomei, Luis Vicente Oliveira
PA3702	**Clinical trial of ghrelin for weight loosing patients with chronic respiratory failure** Nobuhiro Matsumoto (Miyazaki, Japan), Nobuhiro Matsumoto, Keisuke Miki, Hironobu Tsubouchi, Akihiro Sakamoto, Yasuji Arimura, Shigehisa Yanagi, Hirotoshi Iiboshi, Makoto Yoshida, Ryosuke Souma, Hiroshi Ishimoto, Yoshifumi Yamamoto, Kazuhiro Yatera, Masanori Yoshikawa, Hironori Sagara, Tomoaki Iwanaga, Hiroshi Mukae, Ryoji Maekura, Hiroshi Kimura, Masamitsu Nakazato, Kenji Kangawa
PA3703	**The feasibility, efficacy and safety of a multidisciplinary care pathway for in-patient treatment of acute exacerbation of bronchiectasis** Lim Ki Hui (Singapore, Singapore), Lim Ki Hui, Jonathen Venkatachalam, Ruth Chang Rui Ying, Kuan Sen Tee, John Abisheganaden, Albert Lim Yick Hou
PA3704	**Evaluation of water immersion level on respiratory function of tetraplegic patients undergoing hydrotherapy** Helène Prigent (Garches, France), Leire Santisteban, Caroline Hugeron, Michele Lejaille, Isabelle Vaugier, Florian Kunst, Line Falaize, Frederic Lofaso, Helene Prigent
PA3705	**A self-treatment programme in patients with COPD: Effectiveness for the reduction of severe exacerbations** Irene Caselles Gonzalez (Alicante, Spain), Irene Caselles Gonzalez, Rubén Andújar Espinosa, Chushao Hu, Beatriz Galvez Martínez, Carlos Federico álvarez Miranda, Olga Meca Birlanga, Miguel Reyes Cotes, Andrés Carrillo Alcaraz, Juan Miguel Sánchez Nieto
PA3706	**Experiences and quality of life (QOL) after admission to an intensive care unit (ICU) due to an acute exacerbation in chronic obstructive pulmonary disease (COPD)** Wendy van Beurden (Enschede, Netherlands), Marloes Mijnster, Wanda Hagmolen of ten Have, Marcel Pieterse, Christina Bode, Wendy Van Beurden
PA3707	**Investigation of sarcopenia in Japanese COPD patients** Shintaro Suzuki (Tokyo, Japan), Shintaro Suzuki, Hironori Sagara
PA3708	**Applying positive pressure in airway in two moments: Post-anesthetic recovery and 1st postoperative day** Eli Maria Pazzianotto-Forti (Capivari, Brazil), Eli Maria Pazzianotto-Forti, Patrícia Brigatto, Letícia Baltieri, Carolina Moraes, Maura Rocha, Irineu Rasera-Júnior
PA3709	**Neutrophilia is associated with the persistent parenchymal changes after acute lung injury** Yangjin Jegal (Ulsan, Republic of Korea), Yangjin Jegal, Kwang Won Seo, Seung Won Ra, Taehoon Lee, Jong-Joon Ahn
PA3710	**Pulmonary rehabilitation program survey in Japan in 2014** Soh Imamura (Narasino-shi, Japan), Soh Imamura, Hikaru Ashida, Hiroshi Matsuo, Mariko Takeuchi, Akari Miyano, Teppei Shiono, Katsuya Onitsuka, Naohiro Usuki, Izumi Komaba, Hideki Katsura
PA3711	**Minimal equipment for aerobic training in COPD: A systematic review** Jennifer Alison (Killara, Australia), Jennifer Alison, Sonia Cheng, Zoe McKeough
PA3712	**Comparison among different instruments to evaluate the clinical control in asthmatic patients submitted to aerobic training** Ronaldo Aparecido da Silva (Sao Paulo, Brazil), Ronaldo Aparecido da Silva, Patrícia Duarte De Freitas, Patrícia Gonçalves Leite Rocco, Milene Saccomani, Aline Grandi, Karen Brandão Evaristo, Andrezza Franaç-Pinto, Felipe Augusto Rodrigues Mendes, Palmira Galnush Ferreira, Alberto Cukier, Rafael Stelmach, Milton Arruda Martins, Celso Ricardo Fernandes De Carvalho
PA3713	**Baseline determinants of 1-minute sit-to-stand test performance in COPD patients** Sarah Crook (Zurich, Switzerland), Sarah Crook, Anja Frei, Tsung Yu, Gerben Ter Riet, Milo Puhan
PA3714	**Predictors of dropout from a supervised pulmonary rehabilitation programme** Naoyuki Yoshida (Kiyose-shi, Tokyo, Japan), Naoyuki Yoshida, Takashi Yoshiyama, Satoshi Takao, Kazumasa Yamane, Daisuke Tamon, Natsuki Hoshino, Juri Fukuda, Yoko Kuwahara, Etsuko Asai, Hajime Goto

Hall 14-04 Session 401 12:50 - 14:40

Thematic poster: Latest insights into the management of chronic respiratory diseases

Chairs : Jean Bourbeau (Montreal, Canada), Carolyn Rochester (New Haven, United States of America), Eleni Kortianou (Athens, Alimos, Greece), Isabelle Vivodtzev (Echirolles, France)

PA3715	**Decannulation of tracheostomized patients** Daniela Alves (Castelo Branco, Portugal), Daniela Alves, Inês Faria, Carvalheira Santos, Rosa Silva, Cristina Bárbara
PA3716	**Results immunophenotyping cultured autologous mesenchymal stromal cell of patients with COPD and IPF in Belarus** Larisa Litskevich (Minsk, Belarus), Litskevich Larysa, Skrahin Alexandr, Hurevich Henadz, Novicova Maria, Shpakovskaya Natalia
PA3717	**Is nebulized morphine effective in treating persistent dyspnea in very severe COPD? A preliminary report** Piotr Janowiak (Gdansk, Poland), Piotr Janowiak, Iwona Damps-Konstanska, Malgorzata Krajnik, Zygmunt Podolec, Ewa Jassem
PA3718	**Survival in three years of COPD patients according to GOLD 2003 and GOLD 2014** Laura Caram (Conchas, São Paulo, Brazil), Laura Caram, Letícia Coneglian, Renata Ferrari, Marcia Faganello, Liana Coelho, Suzana Tanni, Irma Godoy
PA3719	**Olfactory stimulation of TRPM8 agonist lessen the perception of dyspnea induced by constant load exercise in never-smokers** Masashi Kanezaki (Himeji, Japan), Masashi Kanezaki
PA3720	**SPACE for COPD: Experiences of using a web based rehabilitation programme** Stacey Hewitt (Leicester, United Kingdom), Stacey Hewitt, Emma Chaplin, Christopher Brough, Sally Boyce, Nicky Hudson, Sally Singh, Lindsay Apps
PA3721	**Evidence of benefit from home tele-rehabilitation on chronic dyspnea and quality of life in patients with COPD** Maroula Vasilopoulou (Athens, Thrakomakedones, Greece), Maroula Vasilopoulou, Andriana I. Papaioannou, Georgios Kaltsakas, Sofianna A. Gennimata, Anastasios F. Palamidas, Chrysoula Feridou, Nikolaos Chynkiamis, Theodora Vasilogiannakopoulou, Stavroula Spetsioti, Zafeiris Louvaris, Otilia Kocsis, Stylianos Pantelopoulos, Nikolaos G. Koulouris, Ioannis Vogiatzis
PA3722	**Exercise perspectives & rehabilitation: Challenges in severe asthma** Lindsay Apps (Leicester, United Kingdom), Lindsay Apps, Stacey Hewitt, Ruth Green, Peter Bradding, Anna Murphy, Neil Martin, Sally Singh, Nicky Hudson, Rachael Evans
PA3723	**Do anxiety and depression affect different outcomes of pulmonary rehabilitation?** Latinka Basara (Zagreb, Croatia), Latinka Basara, Tajana Jalušic Gluncic, Olivera Maletic, Dubravka Pelicaric, Sanja Popovic Grle, Marko Jakopovic, Miroslav Samaržija
PA3724	**The effect of an outpatient pulmonary rehabilitation program on exercise tolerance and asthma control in obese asthma patients** Yasemin Turk (Rotterdam, Netherlands), Y. Türk, A. Van Huisstede, F.M.E Franssen, P.S. Hiemstra, A. Rudolphus, C. Taube, G.J. Braunstahl
PA3725	**Psychological comorbidities in patients with COPD: Which changes can be observed after 3, 6, 9 and 12 months of an inpatient pulmonary rehabilitation (PR)?** Birgit Schwaighofer (Bad Reichenhall, Germany), Birgit Schwaighofer, Danijel Jelusic, Michael Wittmann, Michael Schuler, Konrad Schultz
PA3726	**Impact of comorbidities on outcome of pulmonary rehabilitation in patients with COPD** Nashwa Abdel Wahab (Alexandria, Egypt), Maged Fayed, Sahar Murad, Nashwa Abdel Wahab, Rasha Daabis, Gihan Younis
PA3727	**Social role of children and adolescents with chronic respiratory disease, phenomenological analysis** Maria Gomez (Bogotá, Colombia), Maria Victoria Gomez Marentes, Samanta Cruz, Angie Velasquez, Doris Valencia, Maria Ines Mantilla Pastrana
PA3728	**Technology depended children with chronic respiratory problems. Do they benefit from home care?** Fotios Kirvassilis (Oraiokastro, Greece), Fotios Kirvassilis, Elianna Chrysochou, Elpis Hatziagorou, John Tsanakass
PA3729	**Exercise training added to usual care in pulmonary hypertension: A systematic review** Carlos Andrès Celis Preciado (Bogota, Cundinamarca, Colombia), Carlos Celis, Milena García, Claudio Villaquirán
PA3730	**Measurement of vital capacity in amyotrophic lateral sclerosis – Forced and slowly performed** Tiina Andersen (Bergen, Norway), Tiina Andersen, Astrid Sandnes, Maria Vollsæter, Thomas Halvorsen, Ove Fondenes, Ola Røksund
PA3731	**Admission pattern, referral rate and scope of physiotherapy services in a Nigerian intensive care unit** Ayodele Akinremi (Ibadan, Nigeria), Ayodele Akinremi, Kayinsola Akinkuade

PA3732	**Preoperative screening with respiratory failure risk index reduces postoperative pulmonary complications in esophagectomy patients** Satoshi Hokari (Niigata City, Japan), Satoshi Hokari, Yasuyoshi Ohshima, Kenjiro Shima, Rika Moriya, Toshiyuki Koya, Hiroshi Kagamu, Hiroki Tsukada, Toshinori Takada, Toshiaki Kikuchi
PA3733	**Quality of life in the PLATINO study 6 to 9 years later** Cristiane Pradella (São Paulo, Brazil), Cristiane O. Pradella, Mariana R. Gazzotti, Graciane L. Moreira, Beatriz M. Manzano, Maria Montes de Oca, Maria V. Lopes, Ana Maria B. Menezes, Adriana Muiño, Carmen Lisboa, Gonzalo Valdivia, Rogelio Perez-Padilla, Oliver A. Nascimento, José R. Jardim
PA3734	**Multimodal therapeutic program during hospitalization in obese COPD patients** Irene Torres Sanchez (Santa Fe, Spain), Irene Torres-Sánchez, Irene Cabrera-Martos, Juan José Cruz-Rueda, Isabel López-Torres, Jeanette Rodríguez-Torres, Marie Carmen Valenza

Hall 14-05 Session 402 12:50 - 14:40

Thematic poster: A more functional view of chest pathology

Chairs : Firdaus Mohamed Hoesein (Utrecht, Netherlands), Aleksandar Grgic (Homburg/Saar, Germany), Jan De Backer (Kontich, Belgium), Heinrike Wilkens (Homburg/Saar, Germany)

PA3735	**LATE-BREAKING ABSTRACT: Tomoscintigraphic comparison of lung deposition with a vibrating-mesh and a jet nebulizer** Jonathan Dugernier (Brussels, Belgium), Jonathan Dugernier, Gregory Reychler, Virginie Depoortere, Jean Roeseler, Jean-Bernard Michotte, Pierre-Francois Laterre, Francois Jamar, Michel Hesse
PA3736	**LATE-BREAKING ABSTRACT: A new, easy to use computed tomography based scoring system for sinus disease in cystic fibrosis: Validated with acceptable inter- and intra-rater reliability** Shahid Sheikh (Columbus, United States of America), Shahid Sheikh, Brian Handly, Nancy Ryan-Wenger, Steve Kirkby, Chandar Ramanathan, Karen McCoy, Don Hayes, Jr., Meredith Lind
PA3737	**LATE-BREAKING ABSTRACT: Comparative studies on bronchuswall-thickness by histologic and computed tomographic measurements of porcine lungs** Christoph Brochhausen (Mainz, Germany), Christoph Brochhausen, Christine Schmitt, Volker H. Schmitt, David Hollemann, Oliver Weinheimer, Andreas Mamilos, Hinrich B. Winther, Amelie Amelie Elsäßer, C. James Kirkpatrick
PA3738	**LATE-BREAKING ABSTRACT: The relationship between crackle characteristics and regional ventilation/perfusion ratio measured by SPECT/CT** Surussawadi Bennett (Khon Kaen, Thailand), Surussawadi Bennett, Michael Bennett, Tom Havelock, Anna Barney, Peter Howarth, Anne Bruton
PA3739	**Coronary artery calcification, epicardial fat burden, and cardiovascular events in COPD** Thomas Gaisl (Zurich, Switzerland), Thomas Gaisl, Christian Schlatzer, Esther Schwarz, Mathias Possner, Julia Stehli, Noriane Sievi, Christian Clarenbach, Damini Dey, Piotr Piotr, Philipp Kaufmann, Malcolm Kohler
PA3740	**The right ventricular sizes, function and quality of life in patients with very severe COPD** Vasiliy Pyankov (Kirov, Russian Federation), Vasily Pyankov, Yulia Chuyasova
PA3741	**Lung structure and function relation in systemic sclerosis: Application of lung densitometry** Maarten K. Ninaber (Leiden, Netherlands), Maarten Ninaber, Jan Stolk, Jasper Smit, Els Bakker, Berend Stoel
PA3742	**Pulmonary artery diameter but not diameter ratio is indicative of pulmonary hypertension in systemic sclerosis** M. Els Bakker (Leiden, Netherlands), Els Bakker, Maarten Ninaber, Jan Stolk, Lucia Kroft, Anne Schouffoer, Berend Stoel
PA3743	**Pulmonary artery dilation and increased lung density in systemic sclerosis** M. Els Bakker (Leiden, Netherlands), Els Bakker, Maarten Ninaber, Jan Stolk, Lucia Kroft, Anne Schouffoer, Berend Stoel
PA3744	**Dynamic CT in diagnostics of tracheomalacia** Ondrej Kudela (Trutnov, Czech Republic), Ondrej Kudela, Eva Kocova, Vratislav Sedlak, Vladimir Koblizek, Barbora Novotna, Martin Balzek
PA3745	**Characteristics and outcomes of patients who undergo multiple computer tomographic pulmonary angiograms (CTPAs) for suspected pulmonary embolism (PE)** Abigail Sharpe (Middlesbrough, United Kingdom), Abigail Sharpe, Richard Hartley, George Antunes
PA3746	**Evaluation of acute pulmonary embolism by sixty-four slice multidetector CT angiography: Correlation between obstruction index, right ventricular dysfunction and clinical presentation** Ali Abdelazeem Hasan (Assiut, Egypt), Noha Attia, Gehan Seifeldein, Ali Hasan, Abdelkarim Hasan

PA3747 **Ratio of pulmonary arterial to aortic diameter and right to left ventricular diameter associate with poor outcome in medically-treated chronic thromboembolic pulmonary hypertension**
ryogo ema (Chiba, Japan), Ryogo Ema, Toshihiko Sugiura, Naoko Kawata, Rintaro Nishimura, Takayuki Jujo, Ayako Shigeta, Seiichiro Sakao, Nobuhiro Tanabe, Koichiro Tatsumi

PA3748 **Longitudinal micro-CT of preclinical models of lung disease provides biomarkers of disease and therapy that reveal compensatory changes in lung volume**
Greetje Vande Velde (Leuven, Belgium), Greetje Vande Velde, Jennifer Poelmans, Ellen De Langhe, Amy Hillen, Jeroen Vanoirbeek, Uwe Himmelreich, Rik Lories

PA3749 **Tricuspid deceleration time predicts right atrial pressure in patients with suspected pulmonary hypertension: Preliminary experience with cardiac magnetic resonance imaging**
Andy Swift (Sheffield, United Kingdom), Megan Johnson, William Hunt, Hammerton Charlotte, Dave Capener, Elliot Charlie, Condliffe Robin, Kiely David, Wild Jim, Swift Andrew

PA3750 **Progressive TLC loss after unilateral lung transplantation in IPF: Functional respiratory imaging differentiates between transplanted and native lung**
Francisca Ferreira (Kontich, Belgium), Francisca Ferreira, Veronique Verplancke, Wim Vos, Cedric Van Holsbeke, Jan De Backer, Wilfried De Backer, Peter Van Hal

PA3751 **^{99m}Tc isonitrils scintigraphic study of pulmonary TB evolution**
Stefan Bilha (Suceava, Romania), Stefan Bilha, Neli Claudia Bilha, Irena Cristina Grierosu, Cipriana Stefanescu

PA3752 **Multi nuclear 3D multiple breath washout imaging with hyperpolarised ^{3}He and ^{129}Xe MRI**
Felix Horn (Sheffield, United Kingdom), Felix Horn, Madhwesha Rao, Neil Stewart, Helen Marshall, Juan Parra-Robles, Jim Wild

PA3753 **Lobar variation of emphysema impacts lung function**
Kristoffer Ostridge (Bournemouth, United Kingdom), Kristoffer Ostridge, Nicholas Williams, Victoria Kim, Malwina Wojtas, Michael Bennett, Stephen Harden, Emmanuel Aris, Mathieu Peeters, Jeanne-Marie Devaster, Simon Bourne, Tom Wilkinson

PA3754 **Bone density is associated with emphysema and air trapping on CT in smokers**
Esther Pompe (Utrecht, Netherlands), Esther Pompe, Pim De Jong, Eva Van Rikxoort, Leticia Gallardo Estrella, Werner De Jong, Rozemarijn Vliegenthart, Matthijs Oudkerk, Carlijn Van der Aalst, Bram Van Ginneken, Jan-Willem Lammers, Firdaus Mohamed Hoesein

Hall 14-06 Session 403 12:50 - 14:40

Thematic poster: Pulmonary hypertension in lung disease

Chairs : Luke Howard (London, United Kingdom), Shiro Mizuno (Ishikawa, Japan), Gabor Kovacs (Graz, Austria), Joan Albert Barbera (Barcelona, Spain)

PA3755 **Prediction of pulmonary hypertension using chest-computed tomography in patients with pulmonary sarcoidosis**
Marloes Huitema (Utrecht, Netherlands), Marloes Huitema, Spee Marcela, Boerman Sanne, Veerle Vorselaars, Snijder Repke, Hendrik Van Es, Jan Grutters, Martijn Post

PA3756 **Right and left ventricular function in lowlanders with COPD travelling to moderate altitude**
Silvia Ulrich (Zurich, Switzerland), Mona Lichtblau, Tsogyal Latshang, Michael Furian, Séverine Müller-Mottet, Silke Kueest, Deobrah Flueck, Batyr Osmonov, Malcolm Kohler, Felix Tanner, Ekkehard Gruenig, Konrad E. Bloch, Silvia Ulrich

PA3757 **Relationship between echocardiographic assessment and plasma endothelin-1 levels in obese patients with or without obstructive sleep apnea**
Pierluigi Carratù (Bari, Italy), Pierluigi Carratù, Valentina Ventura, Mauro Maniscalco, Silvano Dragonieri, Simona Berardi, Roberto Ria, Vitaliano Quaranta, Angelo Vacca, Marco Ciccone, Barbara Phillips, Onofrio Resta

PA3758 **Hepatopulmonary syndrome in non-cirrhotic patients with chronic viral hepatitis**
Mahmoud Elhabashy (Minofeyia, Egypt), Mahmoud Elhabashy, Ahmed Khamis, Waleed Shehab, Mohamed Shaban, Abdallah Essa, Mahmoud Kamel

PA3759 **A vasomotor form of the endothelial dysfunction of the microvasculature in patients with a chronic obstructive pulmonary disease, and in combination with the pulmonary embolism**
Tatiana Shuginova (st.petersburg, Russian Federation), Natalia Shaporova, Tatiana Shuginova, Vera Chernobrivtseva

PA3760 **Risk of malignant arrhythmia in highlanders with high altitude pulmonary hypertension during wakefulness and sleep**
Sayaka Stefanie Aeschbacher (Zurich, Switzerland), Sayaka S. Aeschbacher, Michael Furian, Tsogyal D. Latshang, Silvia Ulrich, Talant Sooronbaev, Erkin Mirrakhimov, Almaz Aldashev, Konrad E. Bloch

PA3761 **Time course of pulmonary artery pressure and clinical characteristics in Kyrgyz highlanders**
Talantbek Sooronbaev (Bishkek, Kyrgyzstan), Talant Sooronbaev, Batyr Osmonov, Michael Furian, Sayaka S. Aeschbacher, Tsogyal D. Latshang, Silvia Ulrich, Almaz Aldashev, Konrad E. Bloch

PA3762 **Evolution of pulmonary blood volume under anticoagulant therapy after a first symptomatic pulmonary embolism**
Laurent Bertoletti (St Priest En Jarez, France), Laurent Bertoletti, Nathalie Prevot, Sandrine Accassat, Céline Chapelle, Nathalie Glas, Stéphanie Chomette-Ballereau, Frédéric Costes

PA3763 **The diagnostic value of N-terminal pro-C-type natriuretic peptide in COPD patients with pulmonary hypertension**
Sergey Avdeev (Moscow, Russian Federation), Sergey Avdeev, Viliya Gaynitdinova

PA3764 **Is the increase in NO lung transfer due to free plasmatic hemoglobin in pulmonary arterial hypertension?**
Herve Guenard (Bordeaux, France), Hervé Guénard, Claire Dromer, Delphine Bourlier, Christian Kays

PA3765 **Is sildenafil an effective bridging therapy to lung transplantation for patients with pulmonary hypertension in the setting of lung disease?**
Laura Price (London, United Kingdom), Laura Price, Aleksander Kempny, Kostantinos Dimopoulos, Raphael Alonso, Lisa Parfitt, Carl Harries, Martin Carby, Andre Simon, Athol Wells, John Wort, Anna Reed

PA3766 **Long-term improvement of pulmonary haemodynamics and exercise capacity in patients with pulmonary hypertension and hypoventilation following NIPPV and influence of NIPPV adherence**
Matthias Held (Wurzburg, Germany), Matthias Held, Katharina Schuh, Sabine Karl, Johanna Walthelm, Stefan Baron, Christine Roth, Berthold Jany

PA3767 **Amelioration of right ventricular morphology and systolic function in patients with severe group 3 pulmonary hypertension treated with pulmonary vasodilators**
Junichi Nakamura (sapporo-shi Hokkaido, Japan), Junichi Nakamura, Ichizo Tsuzino, Takahiro Sato, Hiroshi Ohira, Satoshi Itaya, Chisa Takashina-Goto, Taku Watanabe, Masaru Suzuki, Satoshi Konno, Masaharu Nishimura

PA3768 **Acute effects of oxygen on pulmonary hemodynamic can help in differentiation of pulmonary hypertension at patients with connective tissue diseases**
Ekaterina Nikolaeva (Moscow, Russian Federation), Ekaterina Nikolaeva, Ildar Kurmukov, Natalia Yudkina, Alexander Volkov

PA3769 **Endotelialny dysfunction at patients with COPD and coronary heart disease**
Irina Demko (Krasnoyarsk, Krasnoyarsk Krai, Russian Federation), Irina Demko, Angelina Kraposhina, Irina Soloveva, Marina Mamaeva, Natalia Gordeeva, Elena Sobko, Alla Salmina

PA3770 **Rating predominance of pulmonary hypertension, lung hyperinflation and left ventricular dysfunction in patients with moderate and severe COPD in Belarus**
Larisa Litskevich (Minsk, Belarus), Larysa Litskevich, Alena Skrahina, Irina Dovnar, Irina Lantuchova, Galina Novskaya

PA3771 **Structural alterations and endothelial activation in pulmonary and bronchial vessels of asthmatics**
Thais Mauad (Sao Paulo, Brazil), Thais Mauad, Renata Calciolari Rossi e Silva, Raquel Annoni, Diogenes Seraphin Ferreira, Luiz Feranado Ferraz da Silva

PA3772 **D-dimer testing in patients with acute exacerbation of COPD and suspected pulmonary embolism**
Charalampos Moschos (Athens, Greece), Christos F. Kampolis, Charalampos Moschos, Angeliki A. Loukeri, Panagiotis-Dimitrios Spithakis, Eustratios Stratos, Dimosthenis Papapetrou, Alexia Alexikou, Aikaterini Tzagkaraki, Prokopis Kythreotis, Dimitrios Veldekis

PA3773 **Educating cardiologists on COPD management to improve CVD outcomes**
Mohit Bhutani (Edmonton, Canada), Mohit Bhutani, Jafna Cox

Hall 14-07 Session 404 12:50 - 14:40

Thematic poster: Pulmonary hypertension: management

Chairs : Horst Olschewski (Graz, Austria), Robin Condliffe (Sheffield, United Kingdom), Paul Corris (Newcastle-upon-Tyne, United Kingdom), Olivier Sitbon (Le Kremlin Bicêtre, France)

PA3774 **Predicting survival in hospitalized pulmonary hypertension patients**
Nathaniel Steiger (Chicago, United States of America), Nathaniel Steiger, Vasiliki Thomeas, Mardi Gomberg-Maitland

PA3775 **Initial dual oral combination therapy for pulmonary arterial hypertension (PAH) in daily practice**
Caroline SATTLER (Le Kremlin-Bicetre, France), Caroline Sattler, Bourlier Delphine, Laurent Bertoletti, Laurent Savale, Caroline O'Connell, Xavier Jaïs, David Montani, Marc Humbert, Gérald Simonneau, Olivier Sitbon

PA3776 **Relation of the novel pulmonary hypertension emPHasis10 quality of life score to markers of disease severity**
Beatriz Gsrcia Aranda (London, United Kingdom), Beatriz Garcia-Aranda, Aleksander Kempny, Marina Revilla-Martinez, Carl Harries, Lisa Parfitt, Rafael Alonso-Gonzalez, Laura Price, Konstatinos Dimopoulos, John Wort

PA3777 **Withdrawal of long-term epoprostenol therapy in pulmonary arterial hypertension (PAH)**
George Calcaianu (Strasbourg, France), George Calcaianu, Ari Chaouat, Matthieu Canuet, Romain Kessler

PA3778 **Prognostic value of predicted 6MWD in PAH**
Rogério De Souza (Sao Paulo, Brazil), Francisca Gavilanes, Jose Leonidas Alves-Jr, Luis Felipe Prada, Caio Fernandes, Patricia Vitorio, Luciana Morinaga, Susana Hoette, Carlos Jardim, Rogerio Souza

PA3779 **Patient perspectives on exercise training in pulmonary arterial hypertension (PAH)**
Alison MacKenzie (Glasgow, United Kingdom), Alison MacKenzie, Martin Johnson

PA3780 **Cardiopulmonary comorbidities are associated with hemodynamics in pulmonary arterial hypertension**
Philipp Douschan (Graz, Austria), Philipp Douschan, Kovacs Gabor, Vasile Foris, Andrea Olschewski, Horst Olschewski

PA3781 **Transitioning sildenafil to taladafil in PAH patients is safe**
Fabienne Goncalves (Oporto, Portugal), Fabienne Gonçalves, Ana Gomes, Célia Cruz, Inês Furtado, Margarida Vicente, Luísa Carvalho, Mário Santos, Abílio Reis

PA3782 **Accuracy of impedance cardiography to measure cardiac output at rest in pulmonary hypertension**
Elise Noel-Savina (Cugnaux, France), Elise Noel-Savina, Laurent Tetu, Grégoire Prévot, Marion Dupuis, Fabien Pillard, Daniel Rivière, Alain Didier

PA3783 **Lack correlation between FVC/DLC index and pulmonary hypertension in non sclerodermic patients**
Donato Lacedonia (Molfetta, Italy), Donato Lacedonia, Michele Correale, Giovanna Elisiana Carpagnano, Giuseppe Antonio Palmiotti, Maria M. Lo Storto, Piergiuseppe Bonfitto, Matteo Di Biase, Maria Pia Foschino Barbaro

PA3784 **PAAT and RVET versus RVSP to predict pulmonary hypertension**
Alex Balekian (Bandol, France), Vivian Mo, Brian Bellucci, Joshua Fisher, Alex Balekian

PA3785 **Prognostic value of systolic pulmonary artery pressure change at exercise in pulmonary arterial hypertension**
Faure Morgane (Saint-Priest, France), Morgane Faure, Ari Chaouat, Emmanuel Gomez, Magalie Mercy, Anne Guillaumot, François Chabot

PA3786 **Adherence to pulmonary arterial hypertension targeted therapies**
Duncan Grady (Cambridge, United Kingdom), Duncan Grady, Marjorie Weiss, Joanna Pepke-Zaba

PA3787 **Acute haemodynamic effects of adaptive servoventilation therapy in patients with pulmonary arterial hypertension and patients with chronic thromboembolic pulmonary hypertension**
Karen Olsson (Hannover, Germany), Karen M. Olsson, Anika K. Frank, Marius M. Hoeper, Tobias Welte, Bitter Thomas

PA3788 **Variation in mortality from pulmonary hypertension by aetiology**
Nesrin Mogulkoc (Izmir, Turkey), Nesrin Mogulkoc, Tarik Simsek, Sanem Nalbantgil, Meral Kayikcioglu, Yasemin Kabasakal, Hakan Kultursay

PA3789 **Rare case of extensive systemic to pulmonary arteriovenous malformation presenting with recurrent headaches**
shumail zargar (New Delhi, India), Shumail Bashir, Deepak Rosha

PA3790 **Right heart catheterisation – for respiratory physicians?**
Shruthi Konda (London, United Kingdom), Shruthi Konda, Srividya Narayan, Praveen Molanguri, Brendan Madden

PA3791 **Macitentan for pulmonary arterial hypertension (PAH): Early clinical experience of 94 patients**
Neil Hamilton (sheffield, United Kingdom), Neil Hamilton, Michaela Sellars, Mark Graves, Iain Armstrong, Athanasios Charalampopolous, David Kiely, Charlie Elliot, Robin Condliffe

PA3792 **Simple, non-invasive methods to assess severity of pulmonary hypertension**
Maria Simakova (St. Petersburg, Russian Federation), Maria Simakova, Aigun Kazimli, Anton Rygkov, Alexander Naimushin, Olga Moiseeva

Hall 14-08 Session 405 12:50 - 14:40

Thematic poster: Connective tissue disorders

Chairs : Carlo Albera (Turin, Italy), Spyridon Papiris (Athens, Greece), Claudia Valenzuela (Alcobendas (Madrid), Spain), Athol Wells (London, United Kingdom)

PA3793 **Significance of histopathologic features suggesting connective tissue disease in idiopathic pulmonary fibrosis**
Jin Woo Song (Seoul, Republic of Korea), Jin Woo Song, Joon Seon Song, Eun Jin Chae

PA3794 **Genomic comparison of fibrotic rheumatoid arthritis-associated ILD and idiopathic pulmonary fibrosis**
Robert Vassallo (Rochester, United States of America), Lei Wang, Paula Walters, Asha Nair, Jin Jen, Andrew Limper, Eric Matteson, Diane Grill, Robert Vassallo

PA3795	**Antisynthetase syndrome (AS) in patients with diffuse interstitial lung disease (ILD)** Ana María López Vázquez (Valencia, Spain), Ana María López Vázquez, Beatriz Soria Navarro, Carles Fabregat Franco, Sherlyne Jaimes Díaz, Cristina Sabater Abad, Mercedes Ramón Capilla, Gustavo Juan Samper, Estrella Fernandez-Fabrellas, Juana Rodriguez Delgado, Araceli Carbonell Moncho
PA3796	**Radiologic pattern as a survival predictor in the rheumatoid artritis intersticial lung disease** Alexa Nuñez (Barcelona, Spain), Alexa Nuñez, Iñigo Ojanguren, Xavier Muñoz, M.J. Cruz, Ferran Morell, Ana Villar
PA3797	**Co-morbidities and cause of death in patients with rheumatoid arthritis associated interstitial lung disease** Hanna Nurmi (Kuopio, Finland), Hanna Nurmi, Miia Kärkkäinen, Riitta Kaarteenaho, Minna Purokivi
PA3798	**Are there any clinical differences between SSc-ILD and UCTD suspected of SSc -ILD?** Maki Noyama (Kurashiki, Japan), Maki Noyama, Machiko Arita, Tadashi Ishida
PA3799	**What if my lung-dominant connective tissue disease (LD-CTD) patient eventually met criteria for a definite CTD: The role of prognosis!** Daniel Antunes Silva Pereira (Sao Paulo, Brazil), Daniel Antunes Silva Pereira, Olivia Meira Dias, Mariana Sponholz Araujo, Leticia Kawano-Dourado, Carolina Salim Freitas, Alexandre De Melo Kawassaki, Bruno Gratziou, Carlos R.R. Carvalho, Ronaldo Adib Kairalla
PA3800	**Interstitial lung disease in a single center inception cohort of early rheumatoid arthritis patients** Charlotte Hyldgaard (Åbyhøj, Denmark), Charlotte Hyldgaard, Mette Axelsen, Frank Andersen, Trine Bay Laurberg, Jesper Blegvad, Torkell Ellingsen
PA3801	**Predicting progression of RA-ILD using anti-CCP** Paul Minnis (Bangor, United Kingdom), Paul Minnis, Karol Henry, Brigid Clark, Michael P. Keane
PA3802	**Characterization of interstitial pneumonia associated with clinical amyopathic dermatomyositis** mari yamasue (Yufu-city, Japan), Mari Yamasue, Masaru Ando, Ryo-ichi Ushijima, Jun-ichi Kadota
PA3803	**Serum KL-6 as a biomarker to assess response to azathioprine in connective tissue disease associated lung disease (CTD-ILD)** Eda Boerner (Haan, Germany), Eda B. Boerner, Thomas E. Wessendorf, Shinichiro Ohshimo, Ulrich Costabel, Francesco Bonella
PA3804	**Recurrence predictive factors of cryptogenic organizing pneumonia** Yoshihiko Taniguchi (Sakai city, Osaka, Japan), Yoshihiko Taniguchi, Chikatoshi Sugimoto, Toru Arai, Taisuke Tsuji, Kazunobu Tachibana, Masanori Akira, Masanori Kitaichi, Seiji Hayashi, Yoshikazu Inoue
PA3805	**Gastro-oesophageal dismotility measurements in scleroderma-associated interstitial lung disease: Correlation with respiratory and reflux symptoms** Angelo De Lauretis (Mantova, Italy), Angelo De Lauretis, Dina Visca, Simon Ward, Claudia Clayman, Charles Murray, Ong Voon, Christopher Denton, Gisela Lindahl, Carmel Stock, Alfredo Chetta, Marina Aiello, Veronica Alfieri, Michael Kreuter, Wim Wuyts, Toby Maher, Athol U. Wells, Elisabetta Renzoni
PA3806	**Alvolar lymphocytes (AL) in patients with non-small cell lung cancer (NSCLC). Data from tumor-affected lobe** Joanna Wo niak (Bydgoszcz, Poland), Joanna Wozniak, Tomasz Wandtke, Piotr Kopinski, Joanna Chorostowska, Agata Gizycka, Cezary Rybacki, Iwona Patyk, Blazej Przybyslawski, Andrzej Redziak
PA3807	**A multicenter evaluation of a new periostin detection kit for idiopathic pulmonary fibrosis** Kenji Izuhara (Saga, Japan), Kenji Izuhara, Shoichiro Ohta, Masaki Okamoto, Noriho Sakamoto, Koichiro Takahashi, Hiroshi Yamamoto, Hisako Kushima, Keiichi Akasaka, Kiminori Fujimoto, Junya Ono
PA3808	**Childhood interstitial lung disease: A diagnostic challenge** Tu ba i manlar (Ankara, Turkey), Tugba Sismanlar, Ayse Aslan, Matthias Griese
PA3809	**The RANKL-OPG balance in pulmonary fibrosis** Barbro Melgert (Groningen, Netherlands), Carian Boorsma, Christina Draijer, Robbert Cool, Corry-Anke Brandsma, George Nossent, Peter Heukels, Bernt Van den Blink, David Brass, Wim Timens, Barbro Melgert
PA3810	**Patterns of exacerbations in alpha 1 antitrypsin deficiency (AATD)** Stan Ejiofor (Birmingham, United Kingdom), S.I Ejiofor, R.A. Stockley
PA3811	**The ratio AGE/RAGE is increased in idiopathic pulmonary fibrosis** Carlos Esteban Machahua Huamani (L'Hospitalet de Llobregat, Spain), Carlos Machahua, Ana Montes-Worboys, Roger Llatjós, Ignacio Escobar, Lurdes Planas, Jordi Dorca, Maria Molina-Molina, Vanesa Vicens-Zygmunt

Hall 14-09 Session 406 12:50 - 14:40

Thematic poster: IIPs: orphan

Chairs : George Margaritopoulos (Kavala, Greece), Aikaterini D. Samara (Athens, Greece), Carlo Vancheri (Catania, Italy), Wim Wuyts (Rotselaar, Belgium)

PA3812	**Is it possible to predict the outcome of the whole lung lavage (WLL) in pulmonary alveolar proteinosis (PAP)?** Ilaria Campo (Pavia, Italy), Ilaria Campo, Michele Zorzetto, Francesco Bonella, Francesca Mariani, Elena Paracchini, Simona Ferrari, Francesca Datturi, Federica Meloni, Maurizio Luisetti
PA3813	**The large airway lesions of lymphangioleiomyomatosis: Pathological and radiological analysis** Yuki Ko (Iizuka, Japan), Yuki Ko, Kazunori Tobino, Kuniaki Seyama, Toyohiro Hirai, Masatoshi Kurihara, Takeshi Johkoh, Noriyuki Tomiyama, Toshio Kumasaka, Kazuhisa Takahashi
PA3814	**Serum angiotensin-converting enzyme activity in lymphangioleiomyomatosis** Yoshikazu Inoue (Osaka, Japan), Yoshikazu Inoue, Masaki Hirose, Toru Arai, Chikatoshi Sugimoto, Akiko Matsumuro, Tomomi Homma, Yoshinobu Matsuda, Aya Hirooka, Naoko Takeuchi, Yumiko Sasaki, Kazunobu Tachibana, Seiji Hayashi, Masanori Akira, Masanori Kitaichi
PA3815	**Pleuroparenchymal fibroelastosis (PPFE) – Resembling features in patients with malignancies** Eva Baroke (Heidelberg, Germany), Eva Baroke, Claus Peter Heussel, Arne Warth, Ute Oltmanns, Karin Palmowski, Nicolas Kahn, Felix Herth, Michael Kreuter
PA3816	**Whole lung lavage efficacy in pulmonary alveolar proteinosis (PAP) is influenced by the infusion volume?** Elena Paracchini (Pavia, Italy), Francesca Mariani, Elena Paracchini, Ilaria Campo, Zamir Kadija, Carmine Tinelli, Maria Chiara Mennitti, Antonio Ciuffreda, Giuseppe Rodi, Maurizio Luisetti
PA3817	**Indication of whole lung lavage in pulmonary alveolar proteinosis – Retrospective study** Oana Claudia Deleanu (Bucarest, Romania), Oana Claudia Deleanu, Ana-Maria Nebunoiu, Carolina Tarasova, Ruxandra Ulmeanu, Florin Dumitru Mihaltan
PA3818	**Ventilation disorders dynamics and morphological changes in patients with pulmonary Langerhans cell histiocytosis (PLCH)** Marina Yu. Kameneva (Saint Petersburg, Russian Federation), Marina Kameneva, Ivetta Dvorakovskaya, Artem Tishkov, Olga Baranova, Olga Yurieva, Vasiliy Trofimov
PA3819	**Analysis of 9 adult patients with idiopathic pulmonary hemosiderosis** Mehmet AYDO AN (Etlik - Ankara, Turkey), Seyfettin Gümüs, ömer Deniz, Mehmet Aydogan, Bülent Karaman, Fatih örs, Ergun Tozkoparan, Hayati Bilgiç
PA3820	**The utilitiy of FENO for the diagnosis of hypersensitivity pneumonitis** Inigo Ojanguren Arranz (Barcelona, Spain), Iñigo Ojanguren, Xavier Muñoz, Ana Villar, Ferran Morell, María Jesus Cruz
PA3821	**Specific IgG antibodies in chronic hypersensitivity pneumonitis** Dirk Steffen Koschel (Radebeul, Germany), Jan Holfert, Bärbel Wiedemann, Gert Höffken, Dirk Koschel
PA3822	**Evaluation of exhaled nitric oxide in idiopathic interstitial lung diseases** Paolo Cameli (Certaldo, Italy), Paolo Cameli, Elena Bargagli, David Bennett, Rosa Metella Refini, Paola Rottoli
PA3823	**Metabolic syndrome in interstitial lung diseases** Aydanur Ekici (Kirikkale, Turkey), Aydanur Ekici, Emel Bulcun, Mehmet Ekici, Pinar Yildiz, Tulay Karakoc, Dilay Cimen
PA3824	**Using the ILD-GAP model to predict mortality in chronic interstitial lung disease** Su-Ying Low (Singapore, Singapore), Su-Ying Low
PA3825	**The clinical significance of 24hr continuous monitoring of SpO_2 during daily life in the patients with interstitial pneumonia** Mitsuko Kondo (Tokyo, Japan), Mitsuko Kondo, Ken Arimura, Kiyoshi Takeyama, Etsuko Tagaya, Jun Tamaoki
PA3826	**Variation in mortality from interstitial lung disease by diagnosis** Nesrin Mogulkoc (Izmir, Turkey), Nesrin Mogulkoc, Tarik Simsek, Imren Nesil, Yasemin Kabasakal, Selen Bayraktaroglu, Ali Veral, Aysegul Ergonul, Kutsal Turhan
PA3827	**Sporadic idiopathic non-specific interstitial pneumonia in monozygotic twin sisters** Marta CuyÁs Cortadellas (Essen, Germany), Marta Cuyás Cortadellas, Filiz Oezkan, Ulrich Costabel, Thomas Wessendorf, Dirk Theegarten, Kaid Darwiche, Francesco Bonella
PA3828	**Prevalence of obstructive sleep apneas in patients with idiopathic interstitial pneumonia** Gabriela Tabaj (capital federal, Argentina), Gabriela Tabaj, Daniela Visentini, Patricia Malamud, Cecilia Gonzalez Ginestet, Glenda Ernst, Gabriela Rando, Georgina Gramblicka, Eduardo Giugno
PA3829	**Diagnostic value of transbronchial cryobiopsy compared to surgical lung biopsy** Lars Hagmeyer (Haan, Germany), Lars Hagmeyer, Kerstin Richter, Marcel Treml, Christina Priegnitz, Winfried Randerath

PA3830 **Hypoxic challenge test applied to children previously diagnosed with hypersensitivity pneumonitis**
Yagmur Sisman (Copenhagen, Denmark), Yagmur Sisman, Frederik Buchvald, Anne Katrine Blyme, Birgitte Hanel, Jann Mortensen, Kim G. Nielsen

PA3831 **Role of HGF in the healthy and injured lung**
Clemens Ruppert (Giessen, Germany), Clemens Ruppert, Ingrid Henneke, Martina Korfei, Werner Seeger, Andreas Günther

Hall 14-10 Session 407 12:50 - 14:40

Thematic poster: Interstitial lung diseases II

Chairs : Martina Vašáková (Prague, Czech Republic), Claudia Ravaglia (Castelbolognese, Italy), Nikolaos M. Siafakas (Heraklion, Crete, Greece), Luca Richeldi (Southampton, United Kingdom)

PA3832 **Low fruit intake and exercise are associated with COPD in the USA**
Tatsiana Beiko (Charleston, United States of America), Tatsiana Beiko, Suchit Kumbhare, Luca Paoletti, Charlie Strange

PA3833 **An insight of lung cysts with filamin A mutation**
E.Nural Kiper (Ankara, Turkey), Nagehan Emiralioglu, Nural Kiper, Nicolaus Schwerk, Güzin Cinel, Ebru Yalçin, Deniz Dogru Ersöz, Ugur özçelik

PA3834 **Clinical characteristics and outcomes of pleural empyema in Southern Tunisia**
Rahma Gargouri (Sfax, Tunisia), Nadia Moussa, Rahma Gargouri, Wajdi Ketata, Ghassen Trigui, Sameh Msaed, Ilhem Yangui, Sami Kammoun

PA3835 **What (and how) do we attain by performing surgical lung biopsy for interstitial lung disease?**
Fatma Tokgöz Akyil (Istanbul, Turkey), Fatma Tokgöz Akyil, Tülin Sevim, Hakan Kiral, Emine Aksoy, Mustafa Vayvada, Mustafa Akyil, Dilem Anil Tokyay, Volkan Baysungur

PA3836 **17(R)-resolvin D1 ameliorates bleomycin-induced pulmonary fibrosis in mice via decreasing MCP-1 mRNA**
masakiyo yatomi (maebashi, Japan), Masakiyo Yatomi, Takeshi Hisada, Yasuhiko Koga, Akihiro Ono, Yosuke Kamide, Haruka Aoki, Tsurumaki Hiroaki, Kaori Seki, Noriaki Sunaga, Kyoichi Kaira, Tamotsu Ishizuka, Kunio Dobashi, Masanobu Yamada, Fumikazu Okajima

PA3837 **Treprostinil administration attenuates bleomycin-induced lung fibrosis in mice**
Nikolas Manitsopoulos (Athens, Greece), Nikolaos Manitsopoulos, Anastasia Kotanidou, Christina Magkou, Ioanna Ninou, Xia Tian, Vassilis Aidinis, Ralph Schermuly, Stylianos Orfanos

PA3838 **Role of Wnt-1, Wnt-3 and MMP-7 in fibrotic response in extrinsic allergic alveolitis and idiopathic pulmonary fibrosis**
Martina Sterclova (Praha, Czech Republic), Martina Sterclova, Peter Paluch, Katharina Heinzelmann, Isis Fernandez, Oliver Eickelberg, Martina Vasakova

PA3839 **Comorbidities in patients with the combined pulmonary fibrosis and emphysema syndrome (CPFE)**
Kaïs Ahmad (Lyon, France), Kais Ahmad, Delphine Gamondes, Jean-François Cordier, Vincent Cottin

PA3840 **Serum IGFBP2 as a marker of idiopathic pulmonary fibrosis**
Julien Guiot (Liège, Belgium), Julien Guiot, Monique Henket, Jean-Louis Corhay, Renaud Louis

PA3841 **Ultrasound in the assessment of interstitial lung diseases: Correlation with high-resolution computed tomography and lung functions**
Sevda Sener Comert (Istanbul, Turkey), Sevda Sener Cömert, Benan çaglayan, Coskun Dogan, Elif Parmaksiz, Ali Fidan, Banu Salepçi, Nesrin Kiral

PA3842 **Sleep quality among patients with idiopathic pulmonary fibrosis**
Paschalis Steiropoulos (Alexandroupolis, Greece), Paschalis Ntolios, Theodoros Karampitsakos, Maria Karailidou, Maria Xanthoudaki, Evangelia Nena, Despoina Kotakidou, Stavros Anevlavis, Marios Froudarakis, Demosthenes Bouros, Paschalis Steiropoulos

PA3843 **Which are the interstitial lung diseases where core needle biopsy has diagnostic utility?**
Maria João Oliveira (Arcozelo - Vila Nova de Gaia, Portugal), Maria João Oliveira, Tiago Pereira, Sergio Campainha, Sofia Neves

PA3844 **Chronic hypersensitivity pneumonitis: Is the interstitial pneumonias disease behavior classification suitable for outcome stratification?**
Vanessa Maria Ferreira dos Santos (Ovar, Portugal), Vanessa Santos, Eva Padrão, Inês Neves, Natália Melo, Patrícia Mota, Rui Cunha, José Pereira, António Morais

PA3845	**Serum exosomes from IPF patients display a fibrotic miRNA profile that correlates to clinical measures of disease severity** Paul Minnis (Bangor, United Kingdom), Paul Minnis, Rosemary Kane, Rachel Anglin, Sinead Walsh, Julie Worrel, Faheem Khan, Robert V. Lumsden, Sharon Whitty, Michael P. Keane
PA3846	**The effect of nintedanib compared to pirfenidone on proliferation of lung fibroblasts from patients with IPF** Lutz Wollin (Biberach Riss, Germany), Jennifer Schuett, Angela Ostermann, Lutz Wollin
PA3847	**Characterization of diphtheria toxin-induced engraftment and depletion of dendritic cell subsets in the lungs of chimeric zDC$^{+/DTR}$ mice** Meritxell Tort Tarrés (Hannover, Germany), Meritxell Tort Tarrés, Sarah Knippenberg, Franziska Aschenbrenner, Regina Maus, Tobias Welte, Ulrich Maus
PA3848	**Neuroendocrine cell hyperplasia in children with idiopathic interstitial pneumonia** Nagehan Emiralioglu (Ankara, Turkey), Nagehan Emiralioglu, Diclehan Orhan, Nural Kiper, Güzin Cinel, Ebru Yalçin, Deniz Dogru Ersöz, Ugur özçelik
PA3849	**Expression of macrophage migration inhibitory factor in patients with idiopathic pulmonary fibrosis** Yubiao Guo (Guangzhou, Guangdong Province, China), YuBiao Guo, Yifeng Luo, Daiyin Cao, Jingyu Chen
PA3850	**Studies on hepatocyte growth factor (HGF) in bronchoalveolar lavage (BAL) do not support the concept on its antifibrotic properties in idiopathic pulmonary fibrosis (IPF)** Piotr Kopinski (Bydgoszcz, Poland), Piotr Kopinski, Joanna Chorostowska, Grzegorz Przybylski, Andrzej Dyczek, Ewelina Wedrowska, Marek Jankowski, Adam Szpechcinski, Agata Gizycka, Joanna Golinska

Hall 14-11 Session 408 12:50 - 14:40

Thematic poster: Management of COPD and other respiratory diseases in primary care

Chairs : Mark L. Levy (London, United Kingdom), Arnulf Langhammer (Levanger, Norway), Alan Kaplan (Richmond Hill, Canada), Rachel Jordan (Birmingham, United Kingdom)

PA3851	**LATE-BREAKING ABSTRACT: COPD patient preferences for using technology to communicate with physicians** Laura Khurana (Boston, United States of America), Laura Khurana, Sarah Tressel Gary, Antonio V. Otero, Chris Hall, Susan M. Dallabrida
PA3852	**LATE-BREAKING ABSTRACT: Observational study on effectiveness of the combination of antitussives and NASAIDs in patients with URTI related cough** Alessandro Zanasi (Bologna, Italy), Alessandro Zanasi, Luigi Lanata, Federico Saibene, Francesco De Blasio
PA3853	**Prospective study on emergency care pneumologic in Bab El Oued University Hospital** Souad Souilah (Alger, Algeria), Souad Souilah, Nesrine Dermech, Rabah Amrane, Aziza Fissah
PA3854	**Quality of life and disease burden of chronic obstructive pulmonary disease (COPD) patients in Northern Greece – The INCARE* study** Eirini Mitsiki (Athens, Greece), Eirini Mitsiki, Kosmas Kazanas, Panagiotis Hatziapostolou
PA3855	**Evalation of smoking prevelance in Turkey after tobacco control strategies** Davut Baltaci (Duzce, Turkey), Leyla Yilmaz Aydin, Davut Baltaci, Ali Nihat Annakkaya, Feyza Sariguzel, Fatih Alasan, Usame Velioglu, Handan Ankarali
PA3856	**Validation of a new inhaled therapeutic algorithm for the stable COPD patient: The COPD easy treatment project** Carlos Cabrera Lopez (Las Palmas de G.C., Spain), Carlos Cabrera-Lopez, Ciro Casanova-Macario, Yolanda Martín-Blázquez, Virgina Mirabal-Sánchez, María del Carmen Sánchez-Pérez, Felisa álvarez-Rodríguez, Gabriel Julia-Serda, Pedro Cabrera-Navarro, Miguel Angel García-Bello, José Maria Marín-Trigo, Juan Pablo De Torres-Tajes, Miguel Divo, Bartolomé Celli
PA3857	**Burden of obstructive lung disease study in Tehran: Prevalence and risk factors of COPD** Hooman Sharifi (Tehran, Islamic Republic of Iran), Hooman Sharifi, Mohammad Reza Masjedi, Habib Emami, Mostafa Ghanei, Sonia Buist
PA3858	**Learning to care: Using machine learning to improve prediction of COPD admissions** Hilary Pinnock (Edinburgh, United Kingdom), Hilary Pinnock, Felix Agakov, Peter Orchard, Anna Agakova, Mary Paterson, Lucy McCloughan, Chris Burton, Stuart Anderson, Brian McKinstry
PA3859	**Reducing inappropriate high dose ICS prescribing for COPD in primary care using respiratory integrated care virtual clinics** Vincent Mak (Elstree, United Kingdom), Vincent Mak, Grainne D'Ancona, Rishi Rampersad, Azhar Saleem, Jas Khambh

PA3860 **Changes in use and quality of spirometry in primary care in Navarra (Spain) after an improvement plan**
López Vanessa (Pamplona, Spain), López Vanessa, Hueto Javier, Nuin Marian, Malon Mar, Mari Puig Guillermina, Bermejo M. Carmen, Zagaceta Jorge, Cebollero Pilar

PA3861 **Hospital resource use for COPD patients varies by both clinical commissioning group and primary care practices across nine CCGs in the United Kingdom**
Lucy Rigge (Westbourne, United Kingdom), Lucy Rigge, Frank Ratcliff, Kate Lippiett, Lynn Josephs, Mike Thomas, Tom Wilkinson

PA3862 **Effects of a self-management program for patients with COPD or chronic heart failure (CHF) on self-efficacy related to exercise and fatigue – The SAFS study**
Kersti Theander (Karlstad, Sweden), Kersti Theander, Mats Arne, Mikael Hasselgren, Karin Lisspers, Björn Ställberg, Ann-Britt Zakrisson

PA3863 **The prevalence of airflow limitation in North-West Russia according to different cut-off values**
Elena Andreeva (Arkhangelsk, Arkhangelsk Oblast, Russian Federation), Elena Andreeva, Marina Pokhaznikova, Anatoly Lebedev, Olga Kuznetsova, Jean-Marie Degryse

PA3864 **What are the most common respiratory diseases encountered in clinical practice? Results of a pilot study in 737 Indian patients**
Madhuragauri Shevade (Pune, Maharashtra, India), Madhuragauri Shevade, Komalkirti Apte, Sushma Jadhav, Sapna Madas, Sundeep Salvi

PA3865 **The sensitivity and positive predictive value of GP two-week wait referrals for lung cancer**
Mihir Sanghvi (Watford, United Kingdom), Mihir Sanghvi, Ali Mohammed

PA3866 **Diagnosis of alpha 1 antitrypsin deficiency in primary care**
Miriam Barrecheguren Fernandez (Barcelona, Spain), Miriam Barrecheguren, Mónica Monteagudo, Carles Llor, Eulalia Borrell, Cristina Esquinas, Jaume Ferrer, Marc Miravitlles

PA3867 **GPs based Swiss chronic obstructive pulmonary disease (COPD) cohort: Disease management in primary care: Descriptive data**
Nebal Abu Hussein (Basel, Switzerland), Nebal Abu Hussein, Pascal Urwyler, P.O Bridevaux, P.N Chhajed, J.W. Fitting, Thomas Geiser, Ladina Joos Zellweger, Melcom Kohler, Sabrina Maier, David Miedinger, Salome Schafroth Török, Robert Thurnheer, Michael Tamm, Joerg Daniel Leuppi

Hall 14-12 Session 409 12:50 - 14:40

Thematic poster: Systemic and airway biomarkers

Chairs : Sinead Weldon (Belfast, United Kingdom), Anirban Sinha (Amsterdam, Netherlands), Clifford Taggart (Belfast, United Kingdom), Mazen Al-Alawi (Dublin, Ireland)

PA3868 **TSLP as biomarker in asthma patients**
Sabina Skrgat (Golnik, Slovenia), Sabina Skrgat, Mateja Marc Malovrh, Irena Sarc, Mira Silar, Vladimir Dimitric, Peter Korosec

PA3869 **Link between vitamin D and IL33 and sST2 in children with asthma**
Chirine Moussa (Ezahra, Tunisia), Anissa Berraies, Saberine Louhaichi, Besma Hamdi, Alaa Aqqad, Chirine Moussa, Jamel Ammar, Kamel Hamzaoui, Agnes Hamzaoui

PA3870 **Profile of airway mucins in bronchoalveolar lavage fluid of patients with pulmonary alveolar proteinosis**
Kiyoshi Takeyama (Tokyo, Japan), Kiyoshi Takeyama, Mitsuko Kondo, Tomohiro Akaba, Jun Tamaoki

PA3871 **Surfactant protein D as additional marker in diagnostics of asthma and its combination with gastroesophageal reflux disease with pulmonary manifestations**
Svetlana Lyamina (Moscow, Russian Federation), Svetlana Lyamina, Sergey Kalish, Georgy Yurenev, Igor Maev, Igor Malyshev

PA3872 **Myeloperoxidase of bronchial leucocytes as a biomarker of osmotic bronchial hyperresponsiveness in asthmatics**
Juliy Perelman (Blagoveshchensk, Amur Oblast, Russian Federation), Juliy M. Perelman, Aleksey B. Pirogov, Anna G. Prikhodko, Sergey V. Zinoviev, Victor P. Kolosov, Tatiana A. Maltseva

PA3873 **Exosomal messenger RNAs in the airway are potential biomarkers for acute lung injury in mice**
Sotaro Shikano (Itabashi-ku,Tokyo, Japan), Sotaro Shikano, Toshio Inoue, Shuichiro Maruoka, Yasuhiro Gon, Kazumichi Kuroda, Kenji Yamagishi, Kaori Soda, Eriko Tsuboi, Ikuko Takeshita, Shu Hashimoto

PA3874 **Pepsin as a reliable biomarker for reflux aspiration: A novel method for detection**
Angela Hackett (Liverpool, United Kingdom), Angela Hackett, Rebecca Miller, Brian Flanagan, Rob Beynon, Paul McNamara

PA3875 **Dynamics of the inflammatory process by determining the IL-6 content in bronchoalveolar fluid in chronic bronchitis and chronic bronchitis complicated by secondary bronchiectasis**
Tetiana Bondarenko (Ivano-Frankivsk, Ukraine), Mykola Ostrovskyy, Tetiana Bondarenko, Oleksandr Varunkiv

PA3876 **Cleaved SLPI as a marker for exacerbation in cystic fibrosis**
Matthew Twigg (Belfast, United Kingdom), Matthew Twigg, Simon Brockbank, Philip Lowry, Peter FitzGerald, Sinéad Weldon, Clifford Taggart

PA3877 **Familial and sporadic IPF: A proteomic comparison**
Elena Baragli (Siena, Italy), Elena Bargagli, Alfonso Carleo, Claudia Landi, Rosa Maria Refini, Giuseppe Cillis, Luca Bini, Paola Rottoli

PA3878 **QuantiFERON value in the diagnosis of tuberculous pleurisy**
Rachida Yahiaoui (Barcelona, Spain), Rachida Yahiaoui, Fatih Meçabih, N. Ramdani, Rabah Amrane, Aziza Fissah, Rabiha Baba-Ahmad

PA3879 **Endothelial microparticles in sputum of COPD patients: A potential biomarker of disease**
Donato Lacedonia (Molfetta, Italy), Donato Lacedonia, Grazia Pia Palladino, Chiara Porro, Giovanna E. Carpagnano, Teresa Trotta, Luigi D. Zoppo, Valerio Saliani, Maria Pia Foschino Barbaro

PA3880 **Periostin in lower airway samples and serum, a novel asthma marker?**
Katarzyna Górska (Warsaw, Poland), Katarzyna Górska, Patrycja Nejman-Gryz, Piotr Korczynski, Monika Prochorec-Sobieszek, Rafal Krenke

PA3881 **Peripheral blood eosinophilia predicts lower airway eosinophilia in asthma and COPD**
Wai Yee James (London, United Kingdom), Wai Yee James, Claire Greiller, Beverley MacLaughlin, Neil Barnes, Raj Rajakulasingam, Angshu Bhowmik, Aklak Choudhury, David Simcock, Chris Corrigan, Chris Griffiths, David Jolliffe, Adrian Martineau

PA3882 **Characterizations and potential functions of protein arginine methyltransferase 1 in primary lung structural cells**
Qingzhu Sun (Basel, Switzerland), Qingzhu Sun, Daiana Stolz, Michael Tamm, Shemin Lu, Michael Roth

PA3883 **Bronchoalveolar lavage tryptase levels are correlated with type 2 airway inflammation in mild asthma**
Jim Jia (San Francisco, United States of America), Guiquan Jia, Ashley Morando, Janet Jackman, Nirav Bhakta, John V. Fahy, Prescott G. Woodruff, Kelly Loyet, Tangsheng Yi, Joseph R. Arron

PA3884 **Cytological and mRNAs peripheral blood markers of aspirin intolerance in asthmatics**
Gilles Devouassoux (Pierre Bénite, France), Gilles Devouassoux, Maud Gaillot Drevon, Veronique Barbalat, Raphaelle Barnoud, Mojgan Devouassoux Shisheboran, Alexandre Pachot, Bruno Mougin, Sandra Zaouche, Christian Dubreuil, Yves Pacheco

PA3885 **MIG and IP-10 levels in induced sputum of stable and exacerbated COPD patients**
Solveig Tangedal (Bergen, Norway), Solveig Tangedal, Marianne Aanerud, Louise J.P. Persson, Per S. Bakke, Tomas M.L. Eagan

PA3886 **The use of immunohistochemical stains to identify Langerhans cells in pulmonary histiocytosis**
Hollie Bancroft (Birmingham , United Kingdom), Hollie Bancroft, Roy Stewart, Babu Naidu, Simon Trotter

PA3887 **The correlation between expression of selected inflammatory mediators in induced sputum and respiratory tests in asthma and COPD**
Magdalena Paplinska-Goryca (Warsaw, Poland), Magdalena Paplinska-Goryca, Patrycja Nejman-Gryz, Katarzyna Górska, Katarzyna Bialek-Gosk, Joanna Hermanowicz-Salamon

Hall 14-13 Session 410 12:50 - 14:40

Thematic poster: Therapeutic approaches in inflammatory lung disease

Chairs : Terry Tetley (London, United Kingdom), Alen Faiz (Groningen, Netherlands), Catherine Greene (Dublin, Ireland), Yuichi Tamura (Le Plessis-Robinson, France)

PA3888 **LATE-BREAKING ABSTRACT: Host defence peptide prodrugs are respirable when delivered by vibrating mesh nebuliser**
Eanna Forde (Mayo, Ireland), Eanna Forde, Hilary Humphreys, Catherine Greene, Deirdre Fitzgerald-Hughes, Louise Sweeney, Ronan MacLoughlin, Marc Devocelle

PA3889 **Changes in epithelial barrier components E-cadherin, Beta-catenin, EGR with steroid treatment in murine model of asthma**
Hasan Yüksel (Manisa, Turkey), Hasan Yuksel, Ozge Yilmaz, Meral Karaman, Fatih Firinci, Ahmet Turkeli, Esra Toprak Kanik, Sevinc Inan

PA3890	**Antioxidant efficiency in the treatment of asthma exacerbations** Usman Farkhutdinov (Ufa, Republic of Bashkortostan, Russian Federation), Usman Farkhutdinov, Shamil Farkhutdinov
PA3891	**Effect of epigenetic probes on IL-1B and polyIC treated normal human epithelial cells** Peter Brook (London, United Kingdom), Peter Brook, Andrew Durham, Ian Adcock
PA3892	**No shunting towards LTB4 when blocking LTC4s in vitro** Pernilla Glader (Mölndal, Sweden), Pernilla Glader, Swedin Linda, Wissing Britt-Marie, Göransson Melker, Davis Andy
PA3893	**Treprostinil effectively inhibits PDGF and TGF-ß1 induced extracellular matrix composition by IPF fibroblasts** Christopher Lambers (Vienna, Austria), Christopher Lambers, Zhoa Feng, Peter Jaksch, Walter Klepetko, Michael Roth
PA3894	**Carbocysteine reverses the effects of cigarette smoke and improves the effects of beclomethasone on the histone deacetylases in bronchial epithelial cells** Elisabetta Pace (Palermo, Italy), Elisabetta Pace, Serena Di Vincenzo, Maria Ferraro, Chiara Cipollina, Maria Rosaria Bonsignore, Federico Saibene, Luigi Lanata, Mark Gjomarkaj
PA3895	**Immunoregulatory effects of ceftaroline in airway epithelial cells and in immunocompetent cells** Elisabetta Pace (Palermo, Italy), Elisabetta Pace, Maria Ferraro, Andreina Bruno, Liboria Siena, Serena Di Vincenzo, Mark Gjomarkaj
PA3896	**The electrophilic 17-oxo-docosahexaenoic acid (17-oxo-DHA) enhances the anti-inflammatory potency of fluticasone propionate** Chiara Cipollina (Palermo, Italy), Chiara Cipollina, Serena Di Vincenzo, Caterina Di Sano, Mark Gjomarkaj, Elisabetta Pace
PA3897	**Anti-inflammatory effects of aerobic exercise in a murine model of asthma: Role of leukotrienes pathway** Ricardo Custódio (Sao Paulo, Brazil), Ricardo Wesley Alberca-Custodio, Flavia Regina Greiffo, Manoel Carneiro Oliveira-Junior, Adilson Santos Andrade-Sousa, Fernanda Magalhães Arantes-Costa, Angela Batista Gomes Santos, Nilsa Regina Damaceno-Rodrigues, Hugo Caire Castro-Faria-Neto, Sonia Jancar, Asghar Abbasi, Hinnak Northoff, Marco Idzko, Ana Paula Ligeiro Oliveira, Rodolfo P. Vieira
PA3898	**Vitamin C inhibits the diisocyanate-induced lung inflammatory response in mice** Dominika Swierczynska-Machura (Lodz, Poland), Dominika Swierczynska-Machura, Ewa Nowakowska-Swirta, Joanna Piasecka-Zelga, Radoslaw Swiercz, Jolanta Gromadzinska, Wojciech Wasowicz, Jolanta Walusiak-Skorupa, Cezary Palczynski
PA3899	**Glucagon inhibits airway hyperreactivity and lung inflammation in a murine model of acute lung injury** Daniella Insuela (Rio de Janeiro, Brazil), Daniella Insuela, Patricia Silva, Marco Aurélio Martins, Vinicius Carvalho
PA3900	**Elevated CCL2 responses in COPD and attenuation by selective chemokine receptor antagonists** Ceri Davies (London, United Kingdom), Ceri Davies, Jo Ann Rhodes, Peter Barnes, Louise Donnelly
PA3901	**Anti-inflammatory effects of formoterol and fluticasone propionate in bronchial epithelial cells** Elisabetta Pace (Palermo, Italy), Maria Ferraro, Mark Gjomarkaj, Liboria Siena, Serena Di Vincenzo, Elisabetta Pace
PA3902	**Identifying a therapeutic target for ablating new blood vessel formation in patients with asthma** Qi Ge (Sydney, Australia), Qi Ge, Janette Burgess, Anthony Ashton
PA3903	**Investigating the role of cathepsin S in the pathogenesis of cystic fibrosis-like lung disease** Ryan Brown (Belfast, United Kingdom), Ryan Brown, Donna Small, Anthony Abladey, Leslie Holsinger, Robert Booth, Chris Scott, Stuart Elborn, Marcus Mall, Sinéad Weldon, Cliff Taggart
PA3904	**Demonstration of anti-inflammatory properties of an inhaled p38 inhibitor AZD7624** Danen Cunoosamy (Mölndal, Sweden), Danen Cunoosamy, Katerina Pardali, Naimish Patel, Jansson Paul
PA3905	**Combination therapy of ICSs/LABAs plus montelucastin patients with severe asthma** Zlatica Goseva (Skopje, FYROM (Macedonia)), Zlatica Goseva, Angelko Gjorcev, Elena Jovanovska Janeva
PA3906	**Bcl-2 antagonist ABT-737 attenuates corticosteroid-insensitive neutrophilic airway inflammation** Bao-ping Tian (Hangzhou , China), Bao-ping Tian, Li-xia Xia, Fen Lan, Ping-li Wang, Zheng-qiang Bao, Zhi-Hua Chen, Song-min Ying, Hua-Hao Shen

Hall 14-14 Session 411 12:50 - 14:40

Thematic poster: Inflammation and remodelling in lung disease

Chairs : Agnes Boots (Maastricht, Netherlands), Ali Oender Yildirim (Neuherberg, Germany), Malgorzata Wygrecka (Giessen, Germany), Christian Martin (Aachen, Germany)

PA3907	**LATE-BREAKING ABSTRACT: Tissue-resident epithelial stem/progenitor cells in pulmonary epithelial repair** Takeshi Kawasaki (Chiba, Japan), Takeshi Kawasaki, Rintaro Nishimura, Ayumi Sekine, Rika Suda, Takashi Urushibara, Toshio Suzuki, Shin Takayanagi, Jiro Terada, Seiichiro Sakao, Koichiro Tatsumi
PA3908	**LATE-BREAKING ABSTRACT: The metalloproteinase ADAM8 promotes acute and chronic lung inflammation** Daniela Dreymueller (Aachen, Germany), Daniela Dreymueller, Jessica Pruessmeyer, Julian Schumacher, Joerg W. Bartsch, Andreas Ludwig
PA3909	**Electrospray as a novel and efficient technique for targeted gene delivery** Paulius Ruzgys (Bern, Switzerland), Paulius Ruzgys, Stephan Boehringer, Saulius šatkauskas, David Hradetzky, Amiq Gazdhar, Thomas Geiser
PA3910	**New approach to the treatment of bleomycin-induced lung fibrosis using pulmonary surfactant as pirfenidone carrier into the lung** Elena Lopez Rodriguez (Hannover, Germany), Carolin Laukamp, Alberto Hidalgo, Antonio Cruz, Jesus Perez-Gil, Matthias Ochs, Lars Knudsen, Elena Lopez-Rodriguez
PA3911	**Aerobic training reverses airway inflammation by increasing the expression of anti-inflammatory cytokines by peribronchial cells but not by skeletal muscle** Ronaldo Aparecido da Silva (Sao Paulo, Brazil), Ronaldo Aparecido Silva, Francine Maria Almeida, Clarice Rosa Olivo, Beatriz Mangueira Saraiva-Romanholo, Adenir Perini, Milton Arruda Martins, Celso Ricardo Fernandes Carvalho
PA3912	**Influence of exercise on the nitric oxide metabolism in young smokers** Svetlana K. Soodaeva (Moscow, Russian Federation), Elena Zaprudnova, Svetlana Soodaeva, Igor Klimanov, Timur Li, Nataliya Popova, Mary Glukhova, Lidiya Nikitina
PA3913	**Respiratory NO metabolism in skiers and biathlonists with exercise-induced bronchospasm** Lidiya Nikitina (Khanty-Mansi Autonomous Okrug, Russian Federation), Lidiya Nikitina, Svetlana Soodaeva, Fedor Petrovsky, Yulia Petrovskaya, Valentina Kotlyarova, Alexandr Chuchalin, Igor Klimanov, Timur Li
PA3914	**Glucose transport in the strenuously contracting diaphragm** Ioanna Sigala (Athens, Greece), Ioanna Sigala, Maria Makropoulou, Vasiliki Karavana, Panayiotis Zacharatos, Tatiana Michailidou, Stamatios Theocharis, Theodoros Vassilakopoulos
PA3915	**Prooxidant-antioxidant balance in mustard airway disease with different severity** Rasoul Aliannejad (Tehran, Islamic Republic of Iran), Daryoush Hamidi Alamdari, B. Fatemeh Nobakht M. Gh., Afsaneh Arefi Oskouie, Mostafa Rezaei-Tavirani, Alireza Akbarzadeh Baghban, Rasoul Aliannejad
PA3916	**Association of free radical formation, severity of disease and degree of systemic inflammation in patients with bronchial asthma** Vanya Ilieva-Fartunova (Stara Zagora, Bulgaria), Vanya Ilieva-Fartunova, Vanya Tsoneva, Galina Nikolova, Antoaneta Zheleva, Atanas Koychev, Veselina Gadjeva
PA3917	**Inhalation of chlorine causes lung inflammation and airway hyperresponsiveness in a rat model of chemical-induced lung injury** Sofia Jonasson (Umeå, Sweden), Elisabeth Wigenstam, Linda Elfsmark, Bo Koch, Sofia Jonasson
PA3918	**The differential effect of inspiratory, expiratory and combined resistive loading on healthy rat lung** Konstantinos Loverdos (Athens, Greece), Konstantinos Loverdos, Dimitrios Toumpanakis, Eleni Litsiou, Vassiliki Karavana, Constantinos Glynos, Christina Magkou, Stamatios Theocharis, Theodoros Vassilakopoulos
PA3919	**Protective effects of tiotropium bromide on the morphological remodeling of the bronchi on the neocollagenesis processes in patients with moderate COPD during exacerbation** Mariana Kulynych-Miskiv (Galych, Ukraine), Mariana Kulynych-Miskiv, Mykola Ostrovskyy, Oleksandr Varunkiv, Iryna Savelikhina, Olena Deltsova, Vasyl Miskiv, Sergiy Gerashchenko
PA3920	**Modulation of cytotoxic effects of histones by osteopontin** Gopinath Kasetty (Lund, Sweden), Gopinath Kasetty, Ravi Kiran Varma Bhongir, Matthias Morgelin, Arne Egesten
PA3921	**Expression of estrogen receptors and estrogen metabolism genes in lungs of COPD patients** Juanita H.J. Vernooy (Maastricht, Netherlands), Gonda Konings, Niki Reynaert, Andrea Romano, Ken Bracke, Guy Brusselle, Emiel Wouters, Juanita Vernooy
PA3922	**Altered expression of CuZn-SOD and thioredoxin correlate with the histopathological features in small airways of patients with severe COPD** Beata Olejnicka (, Sweden), Daniel Popa, Gustaf Lejonberg, Jonas Erjefält, Beata Olejnicka
PA3923	**Cytotoxic activity and oxidative DNA damage in smoking asthmatics versus COPD patients** Nikolaos Soulitzis (Heraklion, Crete, Greece), Nikolaos Soulitzis, Eirini Neofytou, Nikoletta Rovina, Eleftherios Zervas, Dimitra Papandrinopoulou, Nikolaos Siafakas

PA3924 **Eucalyptol reduced inflammation and oxidative stress on mouse lungs exposed to long and short-term cigarette smoke**
Emanuel Feitosa (Rio de Janeiro, Brazil), Emanuel Kennedy-Feitosa, Luis Cristovao Porto, Martina Schmidt, Renata Okuro, Walter Araujo Zin, Lycia Brito-Gitirana, Samuel Santos Valenca

PA3925 **Serum metabolomic analysis of mustard airway diseases by nuclear magnetic resonance spectrometry: A pilot study**
Rasoul Aliannejad (Tehran, Islamic Republic of Iran), B. Fatemeh Nobakht M. Gh., Rasoul Aliannejad, Salman Taheri, Mostafa Rezaei-Tavirani, Fariba Fathi, Afsaneh Arefi Oskouie

PA3926 **La simvastatina no inhibe la inflamación producida por las células pulmonares**
Cecilia López Ramírez (Sevilla, Spain), Cecilia López Ramírez, Laura Carrasco Hernández, Elena Arellano Orden, Carmen Calero Acuña, Eduardo Márquez Martín, José Luis López Campos

Hall 14-15 Session 412 12:50 - 14:40

Thematic poster: Novel strategies for the management of asthma, COPD and airway infections

Chairs : Mark Perry (London, United Kingdom), Fabrizio Luppi (Spilamberto, Italy), Ken Bracke (Ghent, Belgium), Paul Kirkham (Wolverhampton, United Kingdom)

PA3927 **Prevalence of serious post-training inhaler technique errors made by device-naïve patients using three different dry powder inhalers (DPIs)**
David Price (Aberdeen, United Kingdom), Henry Chrystyn, Sinthia Bosnic-Anticevich, Nicolas Roche, Mathieu Molimard, John Haughney, Federico Lavorini, Dawn Shan, Erika Sims, Anne Burden, Valerie L. Ashton, John Efthimiou, Marek Ferkl, David B. Price

PA3928 **Predictors of good inhaler technique in asthma and COPD**
Kyra Camilleri (Attard, Malta), Kyra Camilleri, Martin Balzan, Michael Pace Bardon, Emma Schembri, Michael Sullivan, Simon Mifsud, Darlene Muscat, Rachelle Asciaq, Stephen Montefort

PA3929 **A 2 year programme to improve inhaler technique for adult patients with asthma and chronic obstructive pulmonary disease in a Welsh university health board**
John Amit Benjamin (Pontyclun, United Kingdom), John Amit Benjamin, Rhian Williams, Kathleen Bruce, Owain Jones, Lorna Philips

PA3930 **Is simulation based training in inhaler technique of health care professionals more effective than written information?: A randomised controlled study**
Xavier Valan Selvaraj Fernando (Llanelli, United Kingdom), Xavier Valan S. Fernando, Anoop Prakash, Anetha Sabanathan, Graham Fent, Victoria Thorley Dickinson, Frank Edenborough, Jack Kastelik, Alan Rigby, Makani Purva, Jaymin Morjaria

PA3931 **Relationship between the ability to learn dry-powder inhaler use and the cognitive functions in patients with COPD**
Firket Kanat (Konya, Turkey), Baykal Tulek, Nart Bedin Atalay, Ercan Kurtipek, Gulfem Yildirim, Fikret Kanat, Mecit Suerdem

PA3932 **A new clinically relevant method of calculating adherence**
Imran Sulaiman (Dublin, Ireland), Imran Sulaiman, Jansen Seheult, Isabelle Killane, Elaine MacHale, Richard Reilly, Richard Costello

PA3933 **Optimal adherence with inhaled corticosteroids is related to better health status**
Kirsten Koehorst-ter Huurne (Enschede, Netherlands), Kirsten Koehorst-ter Huurne, Sharina Kort, Kris Movig, Paul VanderValk, Job Van der Palen, Marjolein Brusse-Keizer

PA3934 **How many adolescents are actually included in randomised trials primarily in adults with asthma? An analysis of recent trial reports**
Kaylea Clark (Liverpool, United Kingdom), Kaylea Clark, Olivia Annal, Paul Mcnamara, Ian Sinha

PA3935 **Identification of molecular pathways in distinct asthma phenotypes identified in ADEPT**
Carl Manthey (Radnor, United States of America), Carl Manthey, Vy Hoang, Michael Macoritto, Matthew Loza, Fréedéric Baribaud, Joel Tocker

PA3936 **A new investigational use only automated immunoassay for periostin**
Nicolette Jeanblanc (North Chicago, United States of America), Nicolette Jeanblanc, Scott Manetz, Rozanne (Yen-Wah) Lee, Meina Liang, Partha Choudhury, Reena Varkey, Ethan Grant, Melissa Parker, Katie Streicher, Lydia Greenlees, Maria Datwyler, Gerard Davis, Koustubh Ranade

PA3937 **GOLD and phenotypes: The new Czech COPD guidelines**
Vladimír Koblížek (Hradec Kralove, Czech Republic), Vladimir Koblizek, Jan Chlumsky, Vladimir Zindr, Jana Kocianova, Jaromir Zatloukal, Katerina Neumannova, Jakub Zatloukal, Vratislav Sedlak, Jaroslav Zak, Karel Hejduk, Barbora Novotna

PA3938	**Implementation of COPD phenotypes in real life** Vladimír Koblížek (Hradec Kralove, Czech Republic), Vladimir Koblizek, Jan Zigmond, Ladislav Pecen, Jan Chlumsky, Barbora Novotna, Viktor Kasak, Jaromir Zatloukal, Martin Blazek, Ales Tichopad
PA3939	**Impact of the GOLD 2011 guidelines on treatment regimens in COPD patients** Andrzej Bargiel (Ostrow Wielkopolski, Poland), Andrzej Bargiel, Andrzej Obojski
PA3940	**Eligibility of patients with COPD for inclusion in trials of inhaled long-acting bronchodilator therapy** David Michael George Halpin (Exeter Devon, United Kingdom), David Halpin, David B. Price, Marjan Kerkhof
PA3941	**The effects of bronchodilators in patients with tuberculosis-destroyed lung and chronic airflow obstruction** Jung Seop Eom (Busan, Republic of Korea), Jung Seop Eom, Hye Yun Park, Min Ki Lee, Min Ji Kim
PA3942	**Comparison between anticholinergic and beta-2 agonist treatments by using pletismography and impulse oscillometry** Francesco Bini (Pavia, Italy), Francesco Bini, Giorgio De Bernardi, Noemi Grassi, Adriano Vaghi
PA3943	**Biopharmaceutical and chemical compatibility of the combination of salbutamol hemisuccinate and methatropium iodide** Tatiana Molostova (Moscow, Russian Federation), Tatiana Molostova, Alexander Chuchalin, Sofia Skachilova, Elena Shilova, Yuriy Kalinin, Tamerlan Balaev, Irina Badygina, Alexander Solovyev
PA3944	**Speech and language therapy for chronic cough and vocal cord dysfunction: Patient satisfaction with therapy given face-to-face and via videocalls** Jemma Haines (Wilmslow, United Kingdom), Jemma Haines, Aashish Vyas, Claire Slinger, Siobhan Lillie, Stephen J. Fowler
PA3945	**A randomized, open-label, multicenter study of liposomal amikacin for inhalation in adult patients with nontuberculous mycobacteria (NTM) lung infections caused by mycobacterium avium complex (MAC)** David E. Griffith (Tyler, United States of America), David Griffith, Patrick Flume, Kevin Winthrop, Rachel Thomson, Dirk Wagner, Jakko Van Ingen, Liza Micioni, John P. McGinnis II, Carlos Fernandez, Gina Eagle
PA3946	**The characteristics of the minimum inhibitory concentration of antibiotics on pulmonary infections in patients with cystic fibrosis** Ludmila Balanetchi (Chisinau, Republic of Moldova), Svetlana Sciuca, Ludmila Balanetchi

Hall 14-16 Session 413 12:50 - 14:40

Thematic poster: Novel treatments for cough, asthma, COPD and bronchiectasis

Chairs : Omar Usmani (London, United Kingdom), Reinoud Gosens (Groningen, Netherlands), Maria Luisa Bocchino (Naples, Italy), Tania Maes (Gent, Belgium)

PA3947	**Anti-tussive effects of FAAH inhibition: The role of endocannabinoids and downstream signalling pathways in the inhibition of vagal sensory nerve activation** Michael Wortley (London, United Kingdom), Michael Wortley, John Adcock, Eric Dubuis, Sarah Maher, Sara Bonvini, Mark Birrell, Maria Belvisi
PA3948	**Pharmacological profile of a novel, potent and oral TRPA1 antagonist. Characterization in a preclinical model of induced cough** Monica Aparici Virgili (Sant Feliu de Llobregat, Spain), Gema Tarrasón, Irene Jover, Carla Carcasona, Joan Antoni Fernández-Blanco, Peter Eichhorn, Amadeu Gavaldà, Jorge De Alba, Richard Roberts, Montserrat Miralpeix, Mònica Aparici
PA3949	**Reliability and validity of a Turkish version of Leicester cough questionnaire** Yavuz Havlucu (Manisa, Turkey), Nazmiye Akis Gonen, Yavuz Havlucu, Arzu Yorgancioglu, Tugba Goktalay, Aysin Sakar Coskun, Pinar Celik
PA3950	**Prediction of human lung PK for AZD7624, an inhaled P38 inhibitor for the treatment of COPD** Sara Asimus (Mölndal, Sweden), Mats Någård, Rikard Pehrson, Sara Asimus, Tove Hegelund, Paul Jansson, Naimish Patel
PA3951	**Nociceptin modulates the inflammatory immune microenvironment in a conventional murine model of asthma** Giuseppe Spaziano (Naples, Italy), Giuseppe Spaziano, Maria Matteis, Rosalinda Sorrentino, Fiorentina Roviezzo, Giuseppe Cirino, Aldo Pinto, Francesco Rossi, Gioia Tartaglione, Manuela Sgambato, Bruno D'Agostino
PA3952	**BmTI-A, a serine protease inhibitor, reduces the chronic allergic lung inflammation in a mice model** Ariana Corrêa Florencio (São Paulo, Brazil), Ariana Florencio, Fernanda Magalhães Arantes-Costa, Robson Santos de Almeida, Thayse Regina Brüggemann, Sérgio D. Sasaki, Milton A. Martins, Iolanda F.L.C. Tibério, Fernanda D.T.Q.S. Lopes, Edna A. Leick

PA3953 **Atorvastatin lowers inflammatory sputum mediators in smokers with asthma**
Catherine Charron (London, United Kingdom), Catherine Charron, Rekha Chaudhuri, Mark Spears, Kazuhiro Ito, Charles McSharry, Neil Thomson

PA3954 **Decoy chemokine neutraligands with anti-asthmatic activity**
Dayana Abboud (Illkirch, France), Dayana Abboud, François Daubeuf, Quoc tuan Do, Valérie Utard, Pascal Villa, Jacques Haiech, Dominique Bonnet, Marcel Hibert, Philippe Bernard, Jean-Luc Galzi, Nelly Frossard

PA3955 **Effects of inhaled furosemide on exercise capacity and on dyspnea in patients with COPD**
Francesco Bini (Pavia, Italy), Francesco Bini, Roberto Ruggiero, Noemi Grassi, Giorgio De Benernardi, Adriano Vaghi

PA3956 **Evaluation of methotrexate in the treatment of severe asthma**
Anita Molard (Strasbourg, France), François Hervy, Gairard-Dory Anne-Cécile, Anita Molard, Carine Metz-Favre, Cindy Barnig, Bénédicte Gourieux, Frédéric De Blay

PA3957 **Mucin 1 downregulation associates with corticoid resistance in chronic obstructive pulmonary disease and chronic rhinosinusitis with nasal polyps**
Anselm Morell (Valencia, Spain), Anselm Morell, Javier Milara, Lucia Díaz, Beatriz Ballester, Teresa Peiró, Sonia Gonzalez, Pilar Bañuls, Julio Cortijo

PA3958 **Bronchodilator activity of the combination of salbutamol hemisuccinate and methatropium iodide compared with monotherapy in preclinical studies**
Tatiana Molostova (Moscow, Russian Federation), Tatiana Molostova, Alexander Chuchalin, Sofia Skachilova, Elena Shilova, Yuriy Kalinin, Tamerlan Balaev, Irina Badygina, Alexander Solovyev

PA3959 **Evaluation of vitamin D in asthma: Its effect on inflammatory markers and clinical profile**
Gaki Nima (Delhi, India), Gaki Nima, Balakrishnan Menon, Santosh Jha

PA3960 **The dual PDE3/PDE4 phosphodiesterase inhibitor RPL554 produces more complete bronchodilator responses than the beta2-agonist salbutamol and the anti-muscarinic agent ipratropium bromide, alone and in combination, in guinea-pig isolated trachea**
Domenico Spina (London, United Kingdom), Radhakrishnan Venkatasamy, Clive Page, Domenico Spina

PA3961 **Vitamin D deficiency and COPD exacerbations: Effect of vitamin D supplementation**
Michela Maria Bellocchia (Turin, Italy), Michela Bellocchia, Monica Boita, Filippo Patrucco, Cinzia Ferrero, Giulia Verri, Daniela Libertucci, Francesco Coni, Giuseppe Tabbia, Alessio Mattei, Caterina Bucca

PA3962 **The efficacy of lung volume reduction coil practice to type-2 respiratory insufficiency in severe COPD cases**
Fidan Sever (Izmir , Turkey), Fidan Sever, Askin Gulsen, Ayse Pelin Girgin, Necdet Batuhan Tamci, Hatice Yilmaz

PA3963 **Additive effect of targeted lung denervation plus drug in patients with COPD**
Coenraad Frederik Nicolaas Koegelenberg (Cape Town, South Africa), Coenraad Koegelenberg, Johan Theron, Dirk-Jan Slebos, Karin Klooster, Martin Mayse, Chris T. Bolliger

PA3964 **Response to subcutaneous octreotide in a cohort of patients with bronchorrhoea**
Helen Fowles (Hull, United Kingdom), Helen Fowles, Alyn Morice, Yvette Hayman, Kayleigh Arnell

PA3965 **Mucus-normalizing activity of a fixed thyme and primula extract combination: Reduction of LPS-induced goblet cell metaplasia and mucin production in vivo**
Martin Lehner (Neumarkt, Germany), Jan Seibel, Martin D. Lehner, Jutta Haunschild

Hall 14-17 Session 414 12:50 - 14:40

Thematic poster: Non-exhaled biomarkers in the assessment of airways disease

Chairs : Florence Schleich (Liège, Belgium), Fabio L. M. Ricciardolo (Orbassano (Turin), Italy), Todor Popov (Sofia, Bulgaria), Anna-Carin Olin (Gothenburg, Sweden)

PA3966 **Can cys-LT, PG-D2, PG-E2, IL-5 and ADAM33 levels and their correlation with pulmonary function be discriminative in asthma, COPD and ACOS?**
Bilun Gemicioglu (Istanbul, Turkey), Gulfidan Cakmak, Bilun Gemicioglu, Yasemin Erdogan Doventas, Macit Koldas

PA3967 **Can blood eosinophils predict sputum eosinophils in stable COPD?**
Netsanet Negewo (Newcastle, Australia), Netsanet Negewo, Vanessa McDonald, Katherine Baines, Peter Wark, Jodie Simpson, Paul Jones, Peter Gibson

PA3968 **Oxidative stress and biomarkers in patients with bronchial asthma**
Keitaro Nakamoto (Tokyo, Japan), Keitaro Nakamoto, Hiroo Wada, Shingo Tsuji, Mitsuru Sada, Toshiya Inui, Masuo Nakamura, Kojiro Honda, Yasutaka Tanaka, Takashi Koide, Saori Takata, Masato Watanabe, Takuma Yokoyama, Takeshi Saraya, Daisuke Kurai, Haruyuki Ishii, Hajime Takizawa

PA3969	**Rheumatoid factor as the new predictive marker of reduced lung function: A cross-sectional study** Jae-Uk Song (Seoul , Republic of Korea), Jae-Uk Song, Joong Kyong Ahn, Hye Kyeong Park, Yun Su Sim
PA3970	**Serum levels of RAAS components in COPD** Ümran Toru (Kütahya, Turkey), ümran Toru, Ceylan Ayada, Osman Genç, Server Sahin, özlem Arik, Ismet Bulut
PA3971	**Can HSP27 and HSP70 be used as biomarkers for chronic obstructive pulmonary disease diagnosis?** Hanine Al Kayal (Machghara, West Bekaa, Lebanon), Hanine Al Kayal, Hassan Abu Bass, Ahmad El Sabbah, Wiam Ramadan, Hassan Khachfe, Khalil Al Kwatly, Wissam H. Joumaa
PA3972	**Investigation the role of pentraxin-3 in the innate immune system in patients with COPD** Mona Bafadhel (Oxford, United Kingdom), Madiha Dilpazir, Samantha Thulborn, Christopher Brightling, Mona Bafadhel
PA3973	**Short-term stability of the mature elastin degradation biomarker plasma desmosine and influence of smoking on plasma desmosine levels** Michiel T.H. Spanbroek (Wijchen, Netherlands), Michiel Spanbroek, Jody Van den Ouweland, Twan Beijers, Henny Van Daal, Richard Dekhuijzen, Rob Janssen
PA3974	**Metabolic syndrome in patients with COPD and their association with systemic inflammation** Jain Nirmal Kumar (Jaipur, India), Nirmal Kumar Jain, Nitin Jain, Arpit Sharma
PA3975	**Exploring the volatome of different cancer cell lines** Pierre-Hugues Stefanuto (Liège, Belgium), Pierre-Hugues Stefanuto, Romain Pesesse, Virginie Bertrand, Marie-Claire Depauw-Gillet, Jean-François Focant
PA3976	**eTRIKS IT platfroms for large-scale biomedical research** Ioannis Pandis (London, United Kingdom), I. Pandis, Y. Guo, F. Guitton, X. Yang, K. Sun, S. Wang, N. Jullian, A.R. Sousa, A.T. Bansal, J. Corfield, S. Pavlidis, P.P. Hekking, L.J. Fleming, D. Shaw, G. Roberts, N. Fitch, J.H. Riley, S.S. Wagers, A. Rowe, I.M. Adcock, K.F. Chung, C. Auffray, P.J. Sterk, The U-BIOPRED Study Group
PA3977	**Prevalence of vitamin D deficiency in patients with chronic obstructive pulmonary disease** Juan R Fernández-Lahera Martínez (Madrid, Spain), J. Fernández-Lahera, D. Romera, A. Gómez Mendieta, A. Martínez Verdasco, J. Fernández-Bujarrabal, A. Santiago, S. Alcolea, Y. Martínez-Abad, C. Prados, C. Villasante, R. Alvarez-Sala
PA3978	**A cross-sectional study on association between stable COPD & metabolic syndrome (Syndrome X)** Angshuman Mukherjee (Kolkata, India), Angshuman Mukherjee, Samim Khan, Sumitra Basuthakur, Raja Dhar
PA3979	**Neutrophils and spirometry changes in COPD patients treated with roflumilast** Konstantinos Porpodis (Thessaloniki, Greece), Kalliopi Domvri, Konstantinos Porpodis, Antonis Papaioannou, Paul Zarogoulidis, Dimitrios Dimitrios Petridis, Olga Hatzizisi, Alexandra Liaka, Violeta Kikidaki, Sofia Lampaki, Ioannis Organtzis, Konstantinos Zarogoulidis
PA3980	**Clinical outcomes in non-eosinophilic versus eosinophilic asthma after 12 months specialist management** Celeste M. Porsbjerg (Copenhagen, Denmark), Celeste Porsbjerg, Asger Sverrild, Vibeke Backer
PA3981	**Utility of BAP-65 score in assessing the severity and predicting the outcome in acute exacerbation of COPD, in a tertiary care hospital in South India** Kapali Siva K (Chennai, India), Kapali Siva Kumaraguru, Gayathri Anur Ramakrishnan
PA3982	**Study on sputum differential counts in asthmatics controlled & uncontrolled on inhaled corticosteroids** namrata saxena (Mumbai, India), Namrata Kewalramani, Sujeet Rajan, Sanjeet Marik
PA3983	**Soluble urokinase-type plasminogen activator receptor is a novel biomarker predicting acute exacerbation in COPD** Nejat Altintas (Samsun, Turkey), Aziz Gumus, Nejat Altintas, Halit Cinarka, Aynur Kirbas, Muge Haziroglu, Mevlut Karatas, Unal Sahin
PA3984	**Evaluation of mean platelet volume and platelet distribution width in patients with chronic obstructive pulmonary disease** Gülistan Karadeniz (Izmir, Turkey), Gülistan Karadeniz, Serir Aktogu, Onur Fevzi Erer, Serpil Bulaç Kir, Sibel Doruk, Melike Demir
PA3985	**Higher BODE Index in COPD patients correlated with higher number of comorbidities** Mohit Bhatia (Ghaziabad, India), Mohit Bhatia, J.K. Samaria, Ashvendra Singh Chawra

Hall 14-18 Session 415 12:50 - 14:40

Thematic poster: Exhaled biomarkers in monitoring airways disease

Chairs : Paolo Montuschi (Rome, Italy), András Bikov (Budapest, Hungary), Marieann Hogman (Gavle, Sweden), Giovanna Elisiana Carpagnano (Foggia, Italy)

PA3986	**LATE-BREAKING ABSTRACT: Extended NO analysis is useful to modify anti-inflammatory treatment in asthmatic children with intermediate F_ENO_{50}** Alexandra Thornadtsson (Gävle, Sweden), Alexandra Thornadtsson, Marieann Högman, Anne Neerincx, Frans Harren, Peter Merkus, Simona Cristescu
PA3987	**LATE-BREAKING ABSTRACT: Breathe free: Open source development of a breath sampler by a consortium of breath researchers** Kitchen Simon (Cambridge, United Kingdom), Simon Kitchen, Alasdair Edge, Rob Smith, Paul Thomas, Stephen Fowler, Salman Siddiqui, Marc van der Schee
PA3988	**LATE-BREAKING ABSTRACT: Biomarkers of tissue turnover are related to annual change in FEV_1 in patients with COPD within the ECLIPSE cohort** Diana Julie Leeming (Herlev, Denmark), Diana Julie Leeming, Inger Byrjalsen, Jannie M.B. Sand, Asger Bihlet, Ruth Tal-Singer, Bruce E. Miller, Morten A. Karsdal, Jørgen Vestbo
PA3989	**LATE-BREAKING ABSTRACT: Biomarkers of extracellular matrix turnover predict mortality in the ECLIPSE COPD cohort** Jannie Marie Bülow Sand (Herlev, Denmark), Jannie M.B. Sand, Diana Julie Leeming, Inger Byrjalsen, Asger Bihlet, Ruth Tal-Singer, Bruce E. Miller, Morten A. Karsdal, Jørgen Vestbo
PA3990	**LATE-BREAKING ABSTRACT: Lung function assessed by home forced oscillation and self reported symptoms during COPD exacerbations** Pasquale Pio Pompilio (Milan, Italy), Pasquale Pio Pompilio, Roberta Macis, Valentina Isetta, Giulia Munaro, Paul Walker, Angelo Paolo Castellani, Mireia Dalmase, Jo Middlemass, A. Niroshan Siriwardena, Paolo Zanaboni, Ruth Sepper, Kaiu Prikk, Andrei Malinovschi, Christer Janson, Dorjan Marušiç, Tatjana Dolgan, Raffaele L. Dellaca', Peter M.A. Calverley, Roberto Rosso
PA3991	**The influence of smoking on the temperature of the exhaled air in patients with chronic lung diseases** Irina Khelimskaia (khabarovsk, Russian Federation), Irina Khelimskaia, Valentina Bondar, Veronika Nikulina
PA3992	**Monitoring of ionic content of exhaled breath condensate in various respiratory diseases by capillary electrophoresis with contactless conductivity detection** Petr Kuban (Brno, Czech Republic), Petr Kuban, Michal Gregus, Frantisek Foret, Jana Skrickova, Dagmar Kindlova, Martina Doubkova, Eva Pokojova, Marek Plutinsky, Ilona Binkova, Zdenek Merta
PA3993	**Fractional exhaled nitric oxide in chronic obstructive pulmonary disease** Gareth Hynes (Oxford, United Kingdom), Gareth Hynes, Christopher Brightling, Mona Bafadhel
PA3994	**Temporal stability of feno measurement in COPD** Bernardino Alcazar Navarrete (Cájar, Spain), Bernardino Alcázar Navarrete, Pedro J. Romero Palacios, Francisca Castellano Miñán, Oliverio Ruiz Rodriguez, Andres Ruiz Sancho
PA3995	**Assessment of exhaled breath condensate contamination during measurement of nitric oxide metabolites** Igor A. Klimanov (Moscow, Russian Federation), Igor Klimanov, Svetlana Soodaeva, Mary Glukhova, Lidiya Nikitina, Timur Li, Nataliya Popova
PA3996	**Unbiased clustering of severe asthma patients based on exhaled breath profiles** Paul Brinkman (Amsterdam, Netherlands), Paul Brinkman, Pieter-Paul Hekking, Simone Hashimoto, Yuanyue Wang, Anton Vink, Hans Weda, Hugo Knobel, Tamara Nijsen, Nicholas Rattray, Pascal Chanez, Massimo Caruso, Ildikó Horváth, Paolo Montuschi, Ratko Djukanovic, Fan Chung, Marco Santonico, Giorgio Pennazza, Arnaldo D'Amico, Stephen Fowler, Peter Sterk, U-BIOPRED Study Group
PA3997	**Additive contribution of exhaled nitric oxide and sputum eosinophils to airway responsiveness** Andrei Malinovschi (Uppsala, Sweden), Andrei Malinovschi, Asger Sverrild, Vibeke Backer, Celeste Porsbjerg
PA3998	**The experience of monitoring the exhaled nitric oxide (Fe_{NO}) during the anti-IgE-therapy (omalizumab) in children with uncontrolled severe asthma** Svetlana Tsyplenkova (Moscow, Russian Federation), Svetlana Tsyplenkova, Yuriy Mizernitskyi, Ludmila Sokolova, Elena Sorokina
PA3999	**Non-adherence to inhaled corticosteroid therapy as an explanation for persistently elevated exhaled nitric oxide levels in patients with asthma: Effect of directly observed therapy with inhaled corticosteroids (DOT-ICS)** Charles Knoery (Glasgow, United Kingdom), Charles Knoery, Ben Brockway, Jan Cowan, Emma Cox, Robin Taylor
PA4000	**Effect of cigarette smoke exposure on exhaled nitric oxide and its relation to asthma and hay feverin adult NHANES subjects** Tiago Jacinto (Senhora da Hora, Portugal), Tiago Jacinto, Andrei Malinovchi, Christer Janson, João Fonseca, Kjell Alving
PA4001	**Characterization of airway inflammation in patients with asthma COPD overlap syndrome using FeNO levels** Oleksandr Varunkiv (Ivano-Frankivsk, Ukraine), Mykola Ostrovskyy, Oleksandr Varunkiv, Mariana Kulynych-Miskiv, Iryna Savelikhina

PA4002 **Longitudinal variability of nasal nitric oxide measurements during winter**
Holger Dressel (Zurich, Switzerland), Fabio Barresi, David Imo, Marion Maggi, Holger Dressel

PA4003 **Asymmetric dimethylarginine contributes to airway nitric oxide deficiency in patients with COPD**
Nejat Altintas (Samsun, Turkey), Murat Aydin, Nejat Altintas, Levent Mutlu, Bulent Bilir, Musatfa Oran, Feti Tukubas, Birol Topcu

PA4004 **Exhaled fungal microbiome in asthma: Possible association with severity and control**
Giovanna Elisiana Carpagnano (Foggia, Italy), Giovanna E. Carpagnano, Donato Lacedonia, Grazia Cotugno, Annarita Depalo, Giuseppe Antonio Palmiotti, Ernesto Giuffreda, Maria Pia Foschino Barbaro

PA4005 **Role of fractional exhaled nitric oxide(FeNO) in obstructive airway diseases in Indian population**
Manish Sharma (Mathura, India), Manish Sharma, R.P. Ilangho

Hall 14-19 Session 416 12:50 - 14:40

Thematic poster: Immune aspects of asthma and other airway diseases

Chairs : Apostolos Bossios (Gothenburg, Sweden), Jonas Erjefalt (Lund, Sweden), Gennaro D'Amato (Napoli, NA, Italy), Milena Sokolowska (Bethesda, United States of America)

PA4006 **Helicobacter pylori lysate affects the tolerant state of human monocyte-derived dendritic cells**
Yolanda van Wijck (Leiden, Netherlands), Yolanda Van Wijck, Alwin Van der Ham, Maria Yazdanbakhsh, Pieter Hiemstra, Anne Müller, Hermelijn Smits, Christian Taube

PA4007 **Effect of retinoid X receptor partial agonist on airway inflammation and hyperresponsiveness**
Utako Fujii (Okahama, Japan), Utako Fujii, Arihiko Kanehiro, Hiroki Kakuta, Akihiko Taniguchi, Daisuke Morichika, Genyo Ikeda, Genyo Ikeda, Hikari Nakayama, Koichi Waseda, Etsuko Murakami, Nobuaki Miyahara, Mikio Kataoka, Mitsune Tanimoto

PA4008 **Applying the 3Rs to asthma research**
Anthony Holmes (St Neots, United Kingdom), Anthony Holmes

PA4009 **The effect of different PV extracts in the treatment of asthma in an animal model**
Andiamira Balestra (Ribeirao Preto, Brazil), Andiamira Balestra, Camila Sandy, Ana Maria Pereira, Fabio Carmona, Marcos Borges

PA4010 **The role of IL-17 in the OVA-LPS driven model of lung inflammation**
Maria Rehnberg (Molndal, Sweden), Maria Rehnberg, Marie Ramnegård, Nina Krutrök, Linda Yrlid, Johan Jirholt

PA4011 **Effect of verapamil on vascular endothelial growth factor production in immunocompetent cells**
Fatemeh Hajighasemi (Tehran, Islamic Republic of Iran), Fatemeh Hajighasemi, Abbas Mirshafiey

PA4012 **Fraction of exhaled nitric oxide (Fe_{No}) norms in healthy elderly Tunisian subjects**
Ines Sfaxi (Sousse, Tunisia), Ines Sfaxi, Helmi Ben Saad, Sonia Rouatbi

PA4013 **APEXII- A prospective study investigating the efficacy of omalizumab treatment in severe allergic asthma**
Robert Niven (Manchester, United Kingdom), Rob Niven

PA4014 **Complex alterations of lung dendritic cell subsets across distinct asthma phenotypes**
Michiko Mori (Lund, Sweden), Michiko Mori, Cecilia Andersson, Anders Bergqvist, Hans Jürgen Hoffmann, Leif Bjermer, Jonas Erjefält

PA4015 **The prevalence and evaluation of premenstrual asthma, comparing premenstrual symptoms with asthmatic and healthy women**
Dane Ediger (Bursa, Turkey), Dane Ediger, Dilek Bahcetepe

PA4016 **Coagulation activity increases with disease severity in patients with asthma**
Marlous Sneeboer (Amsterdam, Netherlands), Marlous Sneeboer, Christof Majoor, Anne De Kievit, Joost Meijers, Rene Lutter, Tom Van der Poll, Pieter-Willem Kamphuisen, Peter Sterk, Elisabeth Bel

PA4017 **Lung function impairment in adult asthma increases the risk of systemic inflammation**
Celeste M. Porsbjerg (Copenhagen, Denmark), Celeste Porsbjerg, Asger Sverrild, Katherine Baines, Peter Gibson, Vibeke Backer

PA4018 **High doses of sublingual tablets of house dust mite allergen extracts: Lung function assessment in a phase I study in adults with mite-associated allergic asthma**
Robert K. Zeldin (Garches, France), Robert K. Zeldin, Martine Le Gall, Patricia Rodriguez, Yann Amistani, Pascal Demoly

PA4019	**The clinical and biological response to allergen-specific immunotherapy with basophil activation test (BAT) in the atopic diseases** Anna Agnese Stanziola (Naples, Italy), Anna Agnese Stanziola, Giovanna Caccavo, Maurizia Lanza, Sara Carputo, Maria Martino, Francesca Simioli, Maria D'Amato, Francesco Perna
PA4020	**Comorbidity of allergic rhinitis and asthma to birch allergen in an environmental exposure chamber** Victoria Nelson (Mississauga, Canada), Victoria Nelson, Peter Couroux, Tara Sadoway, Piyush Patel, Anne Marie Salapatek
PA4021	**Analysis of the characteristics of patients presenting with exacerbation of asthma to emergency care units in Japan** Hiroyoshi Watanabe (Koshigaya, Japan), Hiroyoshi Watanabe, Kumiya Sugiyama, Hideyuki Satoh, Shunsuke Suka, Hajime Arifuku, Tomoshige Wakayama, Shingo Tokita, Yasutsugu Fukushima
PA4022	**New indication of the conventional treatment for asthma: chronic idiopathic urticaria** Ebru Özdemir (Ankara, Turkey), Ebru özdemir, Esra Karabiber, Gül Karakaya, A. Fuat Kalyoncu
PA4023	**Tolerance of ultra-rush immunotherapy in children** ZOUARI AMIRA (tunis, Tunisia), Sellami Amira, Moetamri Zied, Mhamdi Samira, Dabboussi Selsabil, Aichaouia Chiraz, Khadhraoui Mohsen, Echikh Rzaiek
PA4024	**Barriers to adherence to asthma medication** Rahma Gargouri (Sfax, Tunisia), Nadia Moussa, Rahma Gargouri, Najla Bahloul, Sourour Abid, Karim Wajdi Rekik, Hajer Ayadi, Sami Kammoun
PA4025	**Sensitization to moulds in patients with newly diagnosed allergic asthma** Silviya Novakova (Plovdiv, Bulgaria), Silviya Novakova, Mateva Nonka, Plamena Novakova, Manuela Yoncheva

Hall 14-20 Session 417 12:50 - 14:40

Thematic poster: Immune mechanisms in the human lung

Chairs : Hans Jürgen Heinrich Hoffmann (Aarhus, Denmark), Thais Mauad (Sao Paulo, Brazil), Ronald Dahl (Odense C, Denmark), Ruby Pawankar (Tokyo, Japan)

PA4026	**Should patients with mild asthma be excluded from allergic rhinitis drug trials?** Anne Marie Salapatek (Mississauga, Canada), Anne Marie Salapatek, Peter Couroux, Victoria Nelson, Piyush Patel
PA4027	**RNA-Seq transcriptome profiling of genes regulated by vitamin D in an asthma model** Rachel Foong (West Perth, Australia), Rachel Foong, Anthony Bosco, Shelley Gorman, Prue Hart, Graeme Zosky
PA4028	**Dual role of M2 macrophages in asthma** Barbro Melgert (Groningen, Netherlands), Christina Draijer, Patricia Robbe, Carian Boorsma, Machteld Hylkema, Barbro Melgert
PA4029	**IL-13 in a mouse model of chemical-induced airway hyperresponsiveness** Fien Devos (Leuven, Belgium), Fien Devos, Lore Pollaris, Benoit Nemery, Tomoaki Hoshino, Jan Ceuppens, Peter Hoet, Jeroen Vanoirbeek
PA4030	**Characterization of an endogenous Th17-cell generation during sensitization in the murine lung** Melanie Albrecht (Hannover, Germany), Melanie Albrecht, Sandra Lingner, Matthias Lochner, Anna-Maria Dittrich
PA4031	**The immunomodulatory activity of protein S protects against allergic airway inflammation** Yoshinori Takahashi (Tsu shi, Japan), Yoshinori Takahashi, Kentaro Urata, Atsushi Tomaru, Kentaro Fujiwara, Masahiro Onishi, Takehiro Takagi, Hiroyasu Kobayashi, Corina D'Alessandro-Gabazza, Esteban Gabazza, Osamu Taguchi, Tetsu Kobayashi
PA4032	**Eotaxin-3 exerts innate host defense activities that are modulated by mast cell proteases** Anele Gela (Lund, Sweden), Anele Gela, Gopinath Kasetty, Sandra Jovic, Maria Ekoff, Gunnar Nilsson, Sven Kjellstrom, James Pease, Arne Egesten
PA4033	**Airway hyperresponsiveness in patients treated with omalizumab** Pasquale Capano (Agropoli, Italy), Pasquale Capano, Diomira Magliacane
PA4034	**The content of natural killer cells in the blood of patients with asthma in combination with depression** Zhanna Antanovich (Minsk, Belarus), Zhanna Antanovich, Natalia Goncharova
PA4035	**First in class, respiratory drug gas & drug vapor delivered in a revolutionary and new portable device** John Dennis (Calgary, Canada), John Dennis, Andy Clark, Ian McAffer, Stefan Dalberg, Francis Green

PA4036 **Clinical-functional and inflammatory evolution after one year of tracking in patients with asthma according to induced sputum cellularity**
Mayra Parra Perez (Sevilla, Spain), Mayra Parra Perez, Auxiliadora Romero Falcon, Marta Ferrer Galvan, Juan Francisco Medina Gallardo, Francisco Javier Alvarez Gutierrez

PA4037 **Bronchodilators in school children with asthma and normal FEV1**
Borislav A. Kamenov (Nis, Republic of Serbia), Svetlana Kamenov, Aleksandar Kamenov, Borislav Kamenov, Snezana Cekic

PA4038 **Evaluation of omalizumab therapy in a Chinese versus predominantly Caucasian population: Comparison of clinical data**
Jing Yang (Beijing, China), Jing Yang, Michael Humphries, Shuang Ren, Linda Wang, Abhijit Pethe, Ioannis Kottakis

PA4039 **Chronic granulomatous disease diagnosed in adulthood- Report of 2 Cases**
Ayse Irem Kiliç (Istanbul, Turkey), Ayse Irem Kiliç, Dilem Anil Tokyay, Yasemin Bodur, Emine Aksoy, Oguz Aktas, Fatma Tokgöz Akyil, Tülin Sevim

PA4040 **Osteopontin binds and modulate the antibacterial action of eosinophil-recruiting chemokines during allergic inflammation**
Anele Gela (Lund, Sweden), Anele Gela, Gopinath Kasetty, Anders Bergqvist, Jonas Erjefält, Matthias Mörgelin, Arne Egesten

PA4041 **Sputum eosinophilia in severe allergic asthma is not a reliable marker of omalizumab treatment**
Joanna Hermanowicz-Salamon (Warsaw, Poland), Joanna Hermanowicz-Salamon, Patrycja Nejman-Gryz, Renata Rubinsztajn, Magdalena Paplinska-Goryca, Ryszarda Chazan

PA4042 **24-h efficacy and pharmacokinetics of tiotropium Respimat® 5 g in patients with asthma**
Roland Buhl (Mainz, Germany), Roland Buhl, Kai-Michael Beeh, Wolfgang Timmer, Piet Cornelissen, Ralf Sigmund, Ashish Sharma, Michael Engel, Petra Moroni-Zentgraf, Ronald Dahl

PA4043 **Matrix metalloproteinase levels of bronchial mucosa and the correlation with clinical parameters in clinically stable bronchiectasis**
Ying-ying Gu (Guangzhou, China), Wei-jie Guan, Ying-ying Gu, Gui-hong Liu, Yong-hua Gao, Rong-chang Chen, Nan-shan Zhong

PA4044 **PI3K inhibition confer efficacy in experimental models of allergic airway inflammation**
Sandra Rodrigo Blomqvist (Mölndal, Sweden), Sandra Rodrigo Blomqvist, Rikard Pehrson, Karin Björhall, Susanne Arlbrandt, Britta Bonn, Matthew Perry, Mohib Uddin, Neil Holden, Matt Thomas, Kostantinos Karabelas

PA4045 **Hospital-based multicenter study in Turkey: The atopic effect on the progress of viral pneumonia**
Demet Can (Izmir, Turkey), Semiha Bahceci, Demet Can, Saniye Girit, Ferhat çatal, Velat Sen, Sevgi Pekcan, Hasan Yüksel, Aysen Bingöl, Ilknur Bostanci, Duygu Erge, Refika Ersu

Hall 14-21 Session 418 12:50 - 14:40

Thematic poster: Treatment and control of respiratory disease

Chairs : Anne Lindberg (Boden, Sweden), Lucia Cazzoletti (Verona, Italy), Christer Janson (Uppsala, Sweden), Bo Lundback (Gothenburg, Sweden)

PA4046 **LATE-BREAKING ABSTRACT: One-year assessment of asthma control and quality of life in Europe: The liaison study (international cross-sectional and longitudinal assessment on asthma control)**
Eleonora Ingrassia (Parma, Italy), Eleonora Ingrassia, Gabriele Nicolini, Daniele Guastalla, Fulvio Braido, Guy Brusselle, David Price, Nicolas Roche, Joan B. Soriano, Heinrich Worth

PA4047 **LATE-BREAKING ABSTRACT: Stability of blood eosinophil count in COPD patients in the UK clinical practice research datalink**
Sarah Landis (Uxbridge, United Kingdom), Sarah Landis, Robert Suruki, Nicolas Galwey

PA4048 **LATE-BREAKING ABSTRACT: The urban-rural gradient in asthma: A population-based cohort study in Northern Europe**
Signe Timm (Aarhus C, Denmark), Signe Timm, Cecilie Svanes, Christer Janson, Torben Sigsgaard, Ane Johannesen, Thorarinn Gislason, Rain Jogi, Ernst Omenaas, Bertil Forsberg, Kjell Torén, Mathias Holm, Vivi Schlünssen

PA4049 **Factors associated with patient perspective outcomes in a cohort of asthmatics**
Muriel M Delvaux (Liege, Belgium), Muriel Delvaux, Florence Schleich, Virginie Paulus, Monique Henket, Renaud Louis

PA4050 **The adherence to inhaled drugs in COPD patients: Effect on survival**
Valeria Belleudi (Rome, Italy), Valeria Belleudi, Nera Agabiti, Mirko Di Martino, Silvia Cascini, Ursula Kirchmayer, Riccardo Pistelli, Giulio Formoso, Danilo Fusco, Marina Davoli

PA4051	**Use of long acting bronchodilators and inhaled corticosteroids within 30-days of discharge in older adults hospitalized for AECOPD** Gulshan Sharma (Galveston, United States of America), Gulshan Sharma, Wei Zhang, Yong-Fang Kuo
PA4052	**Drug treatment in a German real-life COPD cohort (DACCORD)** Heinrich Worth (Furth, Germany), Heinrich Worth, Roland Buhl, Carl-Peter Criée, Peter Kardos, Claus Vogelmeier
PA4053	**COPD guideline adherence in hospital- and population-recruited COPD patients** Bahareh Jouleh (Bergen, Norway), Bahareh Jouleh, Amund Gulsvik, Tomas Eagan, Rune Grønseth
PA4054	**Discordant symptom severity in COPD: The PHAROAH study** Mark Orme (Loughborough, United Kingdom), Mark Orme, Dale Esliger, Mike Morgan, Sally Singh, Michael Steiner, Andrew Kingsnorth, Lauren Sherar
PA4055	**Can the influenza vaccine response be predicted in COPD patients by clinical parameters?** Tomas Mikal Eagan (Bergen, Norway), Tomas M.L. Eagan, Jon A. Hardie, åsne Jul-Larsen, Per S. Bakke, Rebecca J. Cox
PA4056	**The relationship between pneumococcal antibody response patterns and asthma status** Young J Juhn (Rochester, United States of America), Rohit Divekar, Chung Il Wi, Miguel Park, Roshini Abraham, Young Juhn
PA4057	**Prevalence of switching from brand to generic asthma medications** Marjolein Engelkes (Bergschenhoek, Netherlands), Marjolein Engelkes, Nico Van Blijderveen, Katia Verhamme, Jetty Overbeek, Josine Kuiper, Ron Herings, Miriam Sturkenboom, Johan De Jongste, Hettie Janssens
PA4058	**Effect of not appropriate treatment in severe/not controlled asthma: The AGAVE study** Sara Maio (Pisa, Italy), Sara Maio, Sandra Baldacci, Franca Martini, Patrizia Silvi, Giuseppe Sarno, Sonia Cerrai, Anna Angino, Anna Paola Pala, Giovanni Viegi
PA4059	**Effectiveness of montelukast on asthma control in infants: A claims data study** Manon Belhassen (Lyon, France), Belhassen Manon, Ginoux Marine, Laigle Valérie, Chanut-Vogel Céline, Lamezec Liliane, De Blic Jacques, Brouard Jacques, Fauroux Brigitte, De Pouvourville Gérard, Laforest Laurent, Van Ganse Eric, Belhassen Manon
PA4060	**Tracing asthma by drug utilization in young adults** Jesper Bælum (Odense C, Denmark), Jesper Baelum, David Sherson, Trine Thilsing, Lars Rauff Skadhauge, Lisbet Krogh Traulsen, øyvind Omland, Jesper Rømhild Davidsen, Torben Sigsgaard, Vivi Schlünssen
PA4061	**Estimating severe asthma prevalence in austria using nationwide prescription data** Daniel Doberer (Wien, Austria), Riad Ghanem, Berthold Reichardt, Michael Wolzt, Daniel Doberer
PA4062	**Asthma therapeutic management in the elderly: Pharmacoepidemiological approach in the E3N cohort** Sebastien Chanoine (La Tronche, France), Sebastien Chanoine, Margaux Sanchez, Pierrick Bedouch, Françoise Clavel-Chapelon, Raphaelle Varraso, Isabelle Pin, Valerie Siroux
PA4063	**Do we treat mycoplasma pneumoniae infections differently during an epidemic?** Jasna Rodman (Ljubljana, Slovenia), Jasna Rodman, Tatjana Mrvic, Darja Keše, Rok Kogoj

Hall 14-22 Session 419 12:50 - 14:40

Thematic poster: Asthma and COPD: overlap and exacerbations

Chairs : Per Sigvald Bakke (Bergen, Norway), James Allinson (London, United Kingdom), Peter Lange (Hvidovre, Denmark), Simone Accordini (Verona, Italy)

PA4064	**The prevalence of asthma–chronic obstructive pulmonary disease overlap syndrome (ACOS) in a Northern Italy general population sample** Marco Caminati (Verona, Italy), Massimo Guerriero, Marco Caminati, Simona Paiano, Luigi Assante, Gianenrico Senna, Carlo Pomari
PA4065	**LATE-BREAKING ABSTRACT: The burden of asthma-chronic obstructive pulmonary disease (COPD) overlap syndrome (ACOS) in urban China** Bo Ding (Mölndal, Sweden), Bo Ding, Marco DiBonaventura, Jonas Roman, Niklas Karlsson, Xia Ling
PA4066	**Evaluation of asthma/COPD overlap within the ECLIPSE study** Tara Rheault (Research Triangle Park, United States of America), Tara Rheault, Wurst Keele, Lisa Edwards, Ruth Tal-Singer, Alvar Agusti, Jørgen Vestbo
PA4067	**Validation of the recording of acute exacerbations of COPD in the clinical practice research datalink: Phase 1 results** Kieran Rothnie (London, United Kingdom), Kieran Rothnie, Hana Mullerova, John Hurst, Liam Smeeth, Kourtney Davis, Sara Thomas, Jennifer Quint

PA4068	**Detection of asthma patient-reported exacerbations during follow-up in the ASTROLAB cohort** Eric van Ganse (Lyon, France), Eric Van Ganse, Laurent Laforest, Hélène Le Cloarec, Alexandra Dima, And the ASTROLAB Group
PA4069	**Predictors of exacerbation frequency in chronic obstructive pulmonary disease** Juan Luis García Rivero (Mompía (Santa Cruz de Bezana)-Cantabria, Spain), Miguel Santibañez, Roberto Garrastazu, Juan Luis Garcia-Rivero, Mario Ruiz, Sandra Arenal, Jose Helguera, Cristina Bonnardeaux, Carlos Leon, Javier Llorca
PA4070	**Short-term evaluation of a remote patient support program in patients with COPD and frequent exacerbations. ESOPO study** Bernardino Alcazar Navarrete (Cájar, Spain), Bernardino Alcazar Navarrete, Pilar De Lucas, Joan B. Soriano, Alonso Fernandez-Nistal, Antonia Fuster, Jose Miguel Rodríguez González-Moro, Aurelio Arnedillo, Patricia Garcia Sidro, María José Espinosa de los Monteros
PA4071	**Impact of bronchiectasis on duration of hospitalization in patients with exacerbations of COPD** Carolina Vitale (Frattamaggiore, Italy), Manuela Pitassi, Carolina Vitale, Maria D'Amato, Anna Stanziola, Mauro Mormile, Antonio Molino
PA4072	**Lower rate of COPD exacerbations in patients with COPD and concurrent lung carcinoma – Data from the Bergmannsheil cohort** David Jungck (Bochum, Germany), David Jungck, Ihab Abutayyem, Helena Wassiljew, Susanne Blum, Inga Isbruch, Jürgen Knobloch, Andrea Koch
PA4073	**COPD exacerbations occur more frequently in women – Data from the Bergmannsheil cohort** David Jungck (Bochum, Germany), David Jungck, Helena Wassiljew, Ihab Abutayyem, Susanne Blum, Inga Isbruch, Jürgen Knobloch, Andrea Koch
PA4074	**Comparing the prevalence of depression and anxiety in patients admitted with an exacerbation of COPD using two scoring systems** Suresh Babu (Southampton, United Kingdom), Suresh Babu, Elizabeth Pink, Karen Watkins, Helena Cummings, Joanne L. Thompson, Jaymin Morjaria
PA4075	**Vitamin D status in COPD patients admitted for exacerbation** Evgeni Mekov (Sofia, Bulgaria), Evgeni Mekov, Yanina Slavova, Adelina Tsakova, Marianka Genova, Dimitar Kostadinov, Delcho Minchev, Dora Marinova, Maya Tafradjiiska
PA4076	**Relationship of cold frequency and virus detection to exacerbations in COPD patients** Neil Johnston (Dundas, Canada), Neil Johnston, Marita Olsson, Staffan Edsbacker, Maria Gerhardsson de Verdier, Per Gustafson, Christopher McCrae, Andrew McIvor
PA4077	**Differences in COPD: Smokers versus non smokers** Carlos Cabrera Lopez (Las Palmas de G.C., Spain), Carlos Cabrera Lopez, Ciro Casanova Macario, Fernando León Marrero, Gabriel Juliá Serdá, Pedro Cabrera Navarro, Miguel Angel García Bello, Juan Pablo De Torres Tajes, Jose María Marín Trigo, Miguel Divo, Bartolomé Celli
PA4078	**The clinical significance of laryngopharyngeal reflux in patients with chronic obstructive pulmonary disease** Deog Kyeom Kim (Seoul, Republic of Korea), Doh Young Lee, Young Ho Jung, Sung Soo Park, Hee Soon Chung, Eunyoung Heo, Deog Kyeom Kim
PA4079	**Definition of nocturnal gastroesophageal reflux for studies on airway diseases** Össur Ingi Emilsson (Uppsala, Sweden), össur Ingi Emilsson, Sigurdur Júlíusson, Sören Berg, Einar Stefán Björnsson, Bryndís Benediktsdóttir, Christer Janson, Thórarinn Gíslason
PA4080	**Gastro-oesophageal reflux disease and exacerbations of COPD in a cohort of 2,135 COPD patients** Victoria Benson (Uxbridge, United Kingdom), Victoria Benson, Hana Müllerová, Jørgen Vestbo, Jadwiga Wedzicha, Anant Patel, John Hurst
PA4081	**Seasonal variation in cryptogenic hemoptysis hospitalizations in Tunisia** Sonia Toujani Chekki (Tunis, Tunisia), Asma Sebei, Sonia Toujani, Meriem Mjid, Rihab Bey, Nozha Ben Salah, Yacine Ouhachi, Jalloul Daghfous, Bechir Louzir, Nadia Mehiri, Jouda Cherif, Majed Beji
PA4082	**LATE-BREAKING ABSTRACT: Multinational, database cohort study to assess severe exacerbation rate in asthma** Marjolein Engelkes (Bergschenhoek, Netherlands), Marjolein Engelkes, Maria de Ridder, Elisabeth Svensson, Klara Berensci, Daniel Prieto-Alhambra, Francesco Lapi, Carlo Giaquinto, Gino Picelli, Nada Boudiaf, Frank Albers, Sarah Cockle, Eric Bradford, Robert Suruki, Peter Rijnbeek, Miriam Sturkenboom, Katia Verhamme
PA4083	**LATE-BREAKING ABSTRACT: Multinational, database cohort study to assess all-cause mortality following severe asthma exacerbations** Katia MC Verhamme (Rotterdam, Netherlands), Marjolein Engelkes, Maria de Ridder, Elisabeth Svensson, Klara Berensci, Daiel Prieto-Alhambra, Francesco Lapi, Carlo Giaquinto, Gino Picelli, Nada Boudiaf, Frank Albers, Sarah Cockle, Eric Bradford, Robert Suruki, Peter Rijnbeek, Miriam Sturkenboom, Katia Verhamme

Hall 14-23 Session 420 12:50 - 14:40

Thematic poster: Occupational and environmental exposure assessment and biomarkers

Chairs : Kevin Lamote (Gent, Belgium), Elizabeth Fireman (Tel-Aviv, Israel), Subhabrata Moitra (Krishnagar, Nadia, India), Chair to be confirmed

PA4084	**LATE-BREAKING ABSTRACT: The urban-rural gradient of allergic asthma in adults** Grethe Elholm (Hammel, Denmark), Grethe Elholm, Allan Linneberg, Lise Lotte Husemoen, Øyvind Omland, Pernille Milvang Grønager, Torben Sigsgaard, Vivi Schlünssen
PA4085	**LATE-BREAKING ABSTRACT: Bacterial microbiota of mattress dust and nasal samples, farming exposure, and childhood asthma** Martin Depner (Munich, Germany), Lena Birzele, Martin Depner, Markus Johannes Ege, Marion Engel, Christoph Bernau, Elisabeth Horak, Charlotte Braun-Fahrlaender, Jon Genuneit, Hanna Danielewicz, Dick Heederik, Erika von Mutius, Antje Legatzki
PA4086	**LATE-BREAKING ABSTRACT: The association between serum vitamin D deficiency and allergic symptom in pregnant women** Kumiko Kanatani (Kyoto, Japan), Kumiko Kanatani, Yuichi Adachi, Kei Hamazaki, Hidekuni Inadera, Kazunari Onishi, Youichi Kurozawa, Takeo Nakayama
PA4087	**LATE-BREAKING ABSTRACT: The differential pattern of deposition of nano-ranged particles in the airways of exposed workers** Elizabeth Fireman (Tel-Aviv, Israel), Elizabeth Fireman, Rinat Aldehaid, Moshe Stark, Yehuda Schwarz, Amir Bar Shai
PA4088	**Lung retention of nonfibrous mineral particles in subjects free of occupational exposure** Jean-Claude Pairon (Créteil, France), Hélène Attali, Karine Beugnon, Perrrine Boudet, Patrick Brochard, Pascal Andujar, Laurent Martinon, Sophie Lanone, Jean-Claude Pairon
PA4089	**The potential of a low-cost particle counter to quantify airborne particulate matter in a laboratory animal facility** Meinir Jones (London, United Kingdom), Meinir Jones, Sean Semple, Susie Schofield, Johanna Feary, Paul Cullinan
PA4090	**Reduction personal exposure to black carbon during commuting in London - A feasibility study** Lee Koh (London, United Kingdom), Lee Koh, Abigail Whitehouse, Jonathan Grigg
PA4091	**Counting asbestos bodies in bronchoalveolar lavage: A retrospective analysis and literature review** Valerie Nuyts (Leuven, Belgium), Valerie Nuyts, Hadewijch Vanhooren, Kristiaan Nackaerts, Benoit Nemery de Bellevaux
PA4092	**Biomarkers of oxidative-stress and inflammation in exhaled breath of hospital cleaners** Piera Boschetto (Ferrara, Italy), Enrico Casimirri, Mariarita Stendardo, Melissa Bonci, Roberta Andreoli, Barbara Bottazzi, Roberto Leone, Mischela Schito, Alberto Papi, Marco Contoli, Massimo Corradi, Piera Boschetto
PA4093	**Chemical fingerprint of outdoor PM2.5 in Malta** Martin Balzan (Tal Qroqq, Malta), Martin Balzan, Fabio Cibella, Christopher Zammit, David Bilocca, Cinzia Perrino, Silvia Canepari, Gianluca Scaccianoce, Stephen Montefort, Giovanni Viegi
PA4094	**Indoor pollutions and the prevalence of respiratory symptoms among highlanders in Kyrgyzstan** Talantbek Sooronbaev (Bishkek, Kyrgyzstan), Talantbek Sooronbaev, Beraki Ghezai, Sian Williams, Meerim Almatalieva, Mamed Mademilov, Niels Chavannes
PA4095	**Emission of toxic chemicals from traditional cigarette and e-cigarette side-stream smoke** Constantinos Sioutas (Los Angeles, United States of America), Arian Saffari, Nancy Daher, Ario Ruprecht, Cinzia De Marco, Paolo Pozzi, Roberto Boffi, Samera Hamad, Martin Shafer, James Schauer, Dane Westerdahl, Constantinos Sioutas
PA4096	**Uptake of inhaled polychlorinated biphenyls (PCBs) in a human longitudinal cohort study and animal inhalation studies** Peter S. Thorne (Iowa City, United States of America), Peter Thorne, Matt Ampleman, Xin Hu, Andrea Adamcakova-Dodd, Keri Hornbuckle
PA4097	**Decrease in lung function in relation to increasing BDE exposure in teenagers** Gavin ten Tusscher (Hoorn NH, Netherlands), Gavin Ten Tusscher, Marike Leijs, Janna Koppe, Kees Olie, Pim De Voogt, Wim Van Aalderen
PA4098	**Organic dust toxic syndrome caused by occupational exposure to shrimpshell powder** Randi Bertelsen (Bergen, Norway), Randi Bertelsen, øistein Svanes, Bjørg Eli Hollund, Anne Mette Madsen, Torben Sigsgaard, Tor Aasen, Cecilie Svanes

PA4099 **Determining Mus m 1 personal exposure in laboratory animal workers where mice are housed in individually ventilated cages**
Jennifer Canizales (London, United Kingdom), Jennifer Canizales, Meinir Jones, Sean Semple, Zoe Lightfoot, Johanna Feary, Paul Cullinan

PA4100 **N-acetylhexosaminidase to assess exposure to fungi**
Ragnar Rylander (Lerum, Sweden), Ragnar Rylander

PA4101 **Aeromycoflora over rice field and their allergenic effect on farmers of N24 Parganas, West Bengal, India**
Mouli Saha (Santiniketan, Bolpur, India), Mouli Saha, Kashinath Bhattacharya

PA4102 **The exhaled carbon monoxide levels, respiratory function tests and the blood oxidative stress levels of the petrol station workers**
Ay e Nur Soytürk (Kars, Turkey), Ayse Nur Soytürk, Aysegül Karalezli, Canan Hasanoglu

Hall 14-24 Session 421 12:50 - 14:40

Thematic poster: Occupational and environmental effects: in vitro and animal models

Chairs : Loretta Mueller (Basel, Switzerland), Kristin Cummings (Morgantown, United States of America), Canan Demir (Izmir, Turkey), David Mannino (Lexington, United States of America)

PA4103 **Different toxicity of combustion particles on human lung A549 cells: A comparison between diesel exhaust and wood smoke**
Yuduo Zheng (Aarhus, Denmark), Yuduo Zheng, Jing Wang, Miriam Gerlofs-Nijland, Jakob Bønløkke, Christiane Beer, Torben Sigsgaard

PA4104 **Effect of gasoline exhaust emission on bronchial epithelial cells and natural killer cells**
Roth Michèle (Dornach, Switzerland), Michèle Roth, Selina Steiner, Christoph Bisig, Pierre Comte, Jan Czerwinski, Barbara Rothen-Rutishauser, Philipp Latzin, Loretta Müller

PA4105 **Toxicological responses of normal human bronchial epithelium (NHBE) model exposed to settled dust samples from moisture damaged and reference schools**
Kati Huttunen (Cardiff, United Kingdom), Kati Huttunen, Anna Julia Wlodarczyk, Zoë Prytherch, Tim Jones, Jenni Tirkkonen, Martin Täubel, Juha Pekkanen, Dick Heederik, Jan-Paul Zock, Anne Hyvärinen, Maija-Riitta Hirvonen, Ralf Zimmermann, Kelly BéruBé

PA4106 **Receptors for adhesion molecules are induced on monocytes exposed to PM_{10}**
Ernesto Alfaro-Moreno (Södertälje, Sweden), Ernesto Alfaro-Moreno, Angelica Montiel-Davalos, Guillermina Hernandez, Rebeca Lopez-Marure, Raul Quintana-Belmares, Vesna Munic Kos, Karin Cederbrant

PA4107 **Effect of engineered nanoparticles on natural killer cells in vitro**
Loretta Mueller (Basel, Switzerland), Loretta Müller, Selina Steiner, Laura Rodriguez-Lorenzo, Alke Petri-Fink, Barkara Rothen-Rutishauser, Philipp Latzin

PA4108 **Silver nanoparticles of 20nm in diameter increase epithelial sodium channel (ENaC) currents in isolated sheep pleura**
Zoi Arsenopoulou (Larissa, Greece), Zoi Arsenopoulou, Paschalis Adam Molyvdas, Konstantinos Gourgoulianis, Sotirios Zarogiannis, Chrissi Hatzoglou

PA4109 **Graphene compounds modulate autophagy combined with PU.1 change in the macrophages**
Jong-Wook Shin (Seoul, Republic of Korea), Jong Wook Shin, In Won Park, Jae Woo Jung, Jae Cheol Choi, Jae Yeol Kim, Byoung Whui Choi, Kyung Soon Choi, Soo Young Kim

PA4110 **Emodin mitigates diesel exhaust particles-induced increase in airway resistance, inflammation and oxidative stress in mice**
Abderrahim Nemmar (Al ain, United Arab Emirates), Abderrahim Nemmar, Suhail Al-Salam, Priya Yuvaraju, Sumaya Beegam, Badreldin H. Ali

PA4111 **Effects of acute hypochlorite exposure in OVA-sensitized and challenged mice**
Isabella Santos de Genaro (Sao Paulo, Brazil), Isabella S. de Genaro, Francine M. de Almeida, Deborah Hizume, Henrique T. Moriya, Bruna N. Cordeiro, João Carlos G. Cruz, Renan B. Lopes, Rodolfo P. Vieira, Ronaldo A. Silva, Milton A. Martins, Fernanda M. Arantes-Costa, Beatriz M. Saraiva-Romanholo

PA4112 **Standardization of a murine model of asthma due to soybean inhalation**
Daniel Alvarez-Simon (Barcelona, Spain), Daniel álvarez-Simón, Susana Gómez-Ollés, Xavier Muñoz, María-Dolores Untoria, Marta Ollé-Monge, María-Jesús Cruz

PA4113 **Comparison of two murine models of acute and chronic hypersensitivity pneumonitis due to pigeon serum exposure**
Mª Jesus Cruz Carmona (Barcelona, Spain), Mónica Sánchez-Ortiz, María-Jesús Cruz, María-Dolores Untoria, Ana Villar, Ferran Morell, Marta Ollé-Monge, Xavier Muñoz

PA4114 **Effects of hydrogen sulfide on ozone-induced features of chronic obstructive pulmonary disease**
Feng Li (Shanghai, China), Feng Li, Pengyu Zhang, Min Zhang, Li Liang, Xiaoyuan Sun, Aihua Bao, Min Li, Yueqin Tang, Jicheng Gong, Jim (Junfeng) Zhang, Ian Adcock, Kian Fan Chung, Xin Zhou

PA4115 **Oxidative DNA damage in rat lung after exposure to cerium oxide nanoparticles**
Kazuaki Kawai (Kitakyushu, Japan), Kazuaki Kawai, Yun-Shan Li, Yuya Kawasaki, Yasuo Morimoto

PA4116 **Deposition and pulmonary effect of nanoparticle in whole body inhalation study and in nose only inhalation study**
Takako Oyabu (Kitakyushu, Japan), Takako Oyabu, Yasuo Morimoto, Manabu Shimada, Masaru Kubo, B.W. Lee, Takami Okada, Hiroto Izumi, Yukiko Yoshiura, Toshihiko Myojo

PA4117 **Gold nanoparticles translocate from the lung into the blood in man and accumulate at sites of vascular inflammation in apolipoproteinE knockout mice**
Jennifer Raftis (Edinburgh, United Kingdom), Jennifer Raftis, Mark Miller, Jeremy Langrish, Petra Krystek, Colin Campbell, Ken Donaldon, Flemming Cassee, David Newby, Nicholas Mills, Rodger Duffin

PA4118 **Pulmonary toxicity of cerium oxide nanoparticle following intratracheal instillation and inhalation of nanoparticles**
Yasuo Morimoto (Kitakyushu, Japan), Yasuo Morimoto, Hiroto Izumi, Yukiko Yoshiura, Taisuke Tomonaga, Takako Oyabu, Toshihiko Myojo, Manabu Shimada, Masaru Kubo, Kazuhiro Yamamoto, Shinichi Kitajima

PA4119 **Enhanced interleukin-18 expression in rodent models of quartz induced fibrosis**
Paul Peeters (Maastricht, Netherlands), Paul Peeters, Damien Vanberlo, Niki Reynaert, Emiel Wouters, Catrin Albrecht, Roel Schins

PA4120 **Effects of air pollution on inflammation of respiratory system: Differences between male and female**
kelly yoshizaki (São Paulo, Brazil), Kelly Yoshizaki, Adriana Lino-dos-Santos-Franco, Jôse Mára Brito, Thaís Moraes Nascimento Santos, Pérola Vasconcelos, Thaís Mauad, Paulo Hilário Nascimento Saldiva, Mariangela Macchione

PA4121 **Chlorpyrifos, but not diazinon, potentiates airway hyperreactivity in sensitized guinea pigs**
Becky Proskocil (Portland, United States of America), Becky Proskocil, Donald Bruun, Pamela Lein, David Jacoby, Allison Fryer

Hall 14-25 Session 422 12:50 - 14:40

Thematic poster: E-cigarette, sisha and waterpipe

Chairs : Constantine Vardavas (Heraklion, Greece), Bertrand Dautzenberg (Paris, France), Filippos Filippidis (London, United Kingdom), Constantinos Glynos (Athens, Greece)

PA4122 **Comparison of knowledge attitude and practice of shisha use among medical students and pharmacy students**
Ashok Kumar (Karachi, Pakistan), Ashok Kumar, Salman Baig, Ammara Raif

PA4123 **The effect of smoking on lung function and respiratory symptoms in population of 25-40 years who worked in state administration**
Jagoda Stojkovic (Skopje, FYROM (Macedonia)), Jagoda Stojkovic, Biserka Kaeva, Gencijana Stevcevska, Smiljko Jovanovski, Irina Angelovska

PA4124 **Evaluation of Iranian general population attitudes towards tobacco taxes**
Mahshid Aryanpur (Tehran, Islamic Republic of Iran), Mahshid Aryanpur, Hooman Sharifi, Zahra Hessami, Gholam Reza Heydari, Mohammad Reza Aryan, Ashraf Vaseghnia, Hamid Reza Jamaati

PA4125 **Characterization of medical doctor's smoking habits in a central hospital**
Rafaela Campanha (Lisbon, Portugal), Rafaela Campanha, Inês Ribeiro, Cristina Matos, Fernando Nogueira

PA4126 **Comparison of knowledge attitude and practice of cigarette smoking and water pipe use among physicians and surgeons of Pakistan**
Ashok Kumar (Karachi, Pakistan), Ashok Kumar, Sadhana Notani, Ravi Mahat, Nida Hussain, Nadeem Rizvi

PA4127 **Evaluation of water pipe tobacco smoking among Iranian professional athletes**
Zahra Hessami (Tehran, Islamic Republic of Iran), Zahra Hessami, Hooman Sharifi, Gholamreza Heydari, Jamaati Hamidreza

PA4128 **Factors associated with E-cigarette use among Irish teenagers**
Kate Babineau (Dublin, Ireland), Kate Babineau, Luke Clancy, Sheila Keogan

PA4129 **Urinary cotinine and lipid profile as risk factors of cardiovascular morbidity in pan masala containing tobacco (PMT) users**
Sanjeeb Shrestha (Dharan, Sunsari, Nepal), Sanjeeb Shrestha

PA4130 **E-cigarettes: Views of healthcare professionals**
Nwaorima Kamalu (Bristol, United Kingdom), Nwaorima Kamalu, Bandipalyam Prathibha

PA4131	**What are characteristics of exclusive e-cigarettes users compared to dual tobacco and e-cigarettes users in middle school?** Bertrand Dautzenberg (Paris, France), Bertrand Dautzenberg, Nicole Rieu, Pierre Birkui, Marie-Dominique Dautzenberg
PA4132	**Cigarette and e-cigarette use: A series of 146 patients seen in a respiratory functional exploration department** Jean-Charles Glerant (Bron, France), Ghislaine Plasencia, Jean-Charles Glerant, Philippe Imamdad, Ségolène Turquier
PA4133	**Doses of nicotine used in e-cigarette in the 1 million puffs study** Bertrand Dautzenberg (Paris, France), Bertrand Dautzenberg
PA4134	**Shisha (waterpipe) use in medical students of a developing country** Maryam Hassan (Karachi, Pakistan), Maryam Hassan, Nousheen Iqbal, Muhammad Irfan, Javaid Khan
PA4135	**Shisha-smoking: Knowledge and prevalence among high school students** Helmy Haja Mydin (Kuala Lumpur, Malaysia), Helmy Haja Mydin, Farizah Mohd Hairi, Fatihah Mohd Amin, Amer Amer Nordin
PA4136	**Is electronic-cigarette a tobacco industry discovery?** Elif Dagli (Istanbul, Turkey), Elif Dagli, Fusun Yildiz, Murat Guner
PA4137	**Knowledge of electronic cigarettes: A survey of national health service (NHS) employees at a large UK district general hospital** Aoife Lillis (Lytham St Annes, United Kingdom), Aoife Lillis, Claire Jones, Tarek Saba
PA4138	**Assesment of the level of use and knowledge of adolescents about electronic cigarette – A pilot study in Cluj-Napoca Area, Romania** Andreea Coman (Cluj-Napoca, Romania), Doina Adina Todea, Andreea Codruta Coman

Hall 14-26 Session 423 12:50 - 14:40

Thematic poster: Respiratory physiology in children: technical and clinical aspects

Chairs : Paul Aurora (London, United Kingdom), Paul Seddon (West Sussex, United Kingdom), Claudia Calogero (Massarosa, Italy), Enrico Lombardi (Florence, Italy)

PA4139	**Respiratory function, scoliosis and arthrodesis in Duchenne muscular dystrophy** Lauriane Coutier (Vandoeuvre Les Nancy, France), Laurianne Coutier, Laurence Mainard-Simard, Jean-Louis Tassin, Vincent Laugel, Brigitte Estournet, Cyril Schweitzer
PA4140	**Spontaneous breathing pattern in children with spinal muscle atrophy (SMA)** Antonella Lo Mauro (Milan, Italy), Antonella LoMauro, Chiara Mastella, Giovanni Baranello, Andrea Aliverti
PA4141	**Scoliosis and spinal fusion (SF) correlate with spirometry but not with breathing pattern at rest in Duchenne muscular dystrophy (DMD)** Antonella Lo Mauro (Milan, Italy), Antonella LoMauro, Marianna Romei, Sandra Gandossini, Nereo Bresolin, Maria Grazia D'Angelo, Andrea Aliverti
PA4142	**Determinants of the tension-time index of the inspiratory muscles in healthy children** Theodore Dassios (London, United Kingdom), Theodore Dassios, Aggeliki Vervenioti, Gabriel Dimitriou
PA4143	**Impact of sedation on interpretation of longitudinal lung function growth** Diane Gray (Cape Town, South Africa), Diane Gray, Lauren Willemse, Ane Visagie, Peter Sly, Heather J. Zar, Graham L. Hall
PA4144	**Variability of spirometry in healthy preschool children** Luciano Enrique Busi (Trelew, Argentina), Luciano Enrique Busi, Peter David Sly, Ricardo Daniel Tourres
PA4145	**Lung growth by lung carbon monoxide diffusing capacity, in healthy children residing at 2240 m above sea level** Laura Gochicoa-Rangel (Texcoco, Mexico), Laura Gochicoa-Rangel, Uri Mora-Romero, Rogelio Pérez-Padilla, Gabriela Cantú-González, Luis Rodríguez-Moreno, Selene Guerrero-Zúñiga, Mónica Silva-Cerón, Rosario Fernández-Plata, Luis Torre-Bouscoulet
PA4146	**A standardized tool to assess quality of MBW tracings** Renee Jensen (Toronto, Canada), Renee Jensen, Sanja Stanojevic, Michelle Klingel, Felix Ratjen
PA4147	**Time between multiple breath nitrogen washout (MBNW) tests: Is duration of washout enough across childhood?** Kate Hardaker (Westmead, Australia), Kate Hardaker, Geshani Jayasuriya, Per Gustafsson, Peter Cooper, Dominic Fitzgerald, Hiran Selvadurai, Paul Robinson

PA4148 **Validation of commercial devices for measurement of lung clearance index (LCI) and functional residual capacity (FRC) in school-aged children**
Emma Raywood (London, United Kingdom), Emma Raywood, Julie Duncan, Angie Wade, Janet Stocks, Andy Bush, Paul Aurora, On Behalf of The London Cystic Fibrosis Collaboration (LCFC), Funded by Action Medical Research for Children, The Henry Smith Charity

PA4149 **Underestimation of lung clearance index values in infants with cystic fibrosis due to software analysis algorithms**
Pinelopi Anagnostopoulou (Bern, Switzerland), Pinelopi Anagnostopoulou, Sophie Yammine, Anne Schmidt, Insa Korten, Elisabeth Kieninger, Ines Mack, Daniel Trachsel, Gaudenz Hafen, Alexander Moeller, Carmen Casaulta, Philipp Latzin

PA4150 **Usability of a hand-held device to determine nasal nitric oxide in clinical routine**
Andreas Jung (Zurich, Switzerland), Andreas Jung, Michael Bigger, Christian Bieli, Alexander Möller

PA4151 **Respiratory and neurobehavioural characteristics of a murine model of congenital myotonic dystrophy type 1**
Helène Prigent (Garches, France), Helene Prigent, Maud Ringot, Nelina Ramanantsoa, Lise Michel, Thomas Bourgeois, Boris Matrot, Genevieve Gourdon, Jorge Gallego

PA4152 **Inter-reviewer agreement of a standardized MBW quality control tool**
Renee Jensen (Toronto, Canada), Renee Jensen, Sanja Stanojevic, Maria Ester Pizarro, Michelle Klingel, Felix Ratjen

PA4153 **Cardiac and pulmonary abnormalities in children with chronic kidney diseases undergoing hemodialysis**
Eman Sobh (Al-Mahalla Al-Kobra, Egypt), Eman Sobh, Manal Abd Elsalam, Soma Aabd Allah, Fadila Mamdouh, Rehab Hamdy

PA4154 **Development of lung function in infancy in 'healthy' preterm infants**
Ines Mir Messa (Barcelona, Spain), Ines De Mir, Olaia Sardon, Paula Corcuera, Manuel Sanchez Solís, Araceli Caballero, A.F. Hoo, Virginia Pérez, Eduardo González Perez-Yarza, Antonio Moreno-Galdó

PA4155 **A pilot study of respiratory and nutritional outcomes of moderate/late preterm birth**
Katy Pike (Hampshire, United Kingdom), Katharine C. Pike, Philippa Crowley, Jessica Taylor, Michael P.W. Grocott, Sandy Jack, Alan Jackson, Alison Leaf, Jane S.A. Lucas

PA4156 **Gaz exchange, nasal nitric oxyde levels and lung function tests in children with primary ciliary dyskinesia**
Guillaume Thouvenin (Paris, France), Guillaume Thouvenin, Aline Tamalet, Harriet Corvol, Annick Clement, Estelle Escudier, Nicole Beydon

PA4157 **Evaluation of the LEOSound-Monitor® for standardized detection of wheezing and chough in childhood**
Volker Gross (Giessen, Germany), Volker Gross, Christof Urban, Andreas Weissflog, Ulrich Koehler, Michael Scholtes, Keywan Sohrabi, Sebastian Kerzel

PA4158 **Polymorphisms of $ADRB_2$ gene and airway resistance in children with bronchopulmonary dysplasia**
Evgenii Furman (Perm, Perm Krai, Russian Federation), Elena Zhdanovich, Evgeny Furman, Mariya Ponomareva, Irina Koryukina

Hall 14-27 Session 424 12:50 - 14:40

Thematic poster: Monitoring sleep-disordered breathing in children and adults

Chairs : Athanasios G Kaditis (Athens, Greece), Richard Staats (Murches, Portugal), Nicole Beydon (Paris, France), Valentina Fainardi (Parma, Italy)

PA4159 **LATE-BREAKING ABSTRACT: Effects of air stacking versus glossopharyngeal breathing on maximum insufflation capacity in children and adolescents with neuromuscular disease**
Rodrigo Hernan Torres Castro (Santiago, Chile), Rodrigo Torres-Castro, Jordi Vilaró, Roberto Vera-Uribe, Luis Vasconcellos, Homero Puppo

PA4160 **Evaluation of nasal resistance in children with sleep disordered breathing**
Jole Rabasco (Rome, Italy), Francesco Quagliarella, Jole Rabasco, Melania Evangelisti, Marilisa Montesano, Marco Del pozzo, Maria Pia Villa

PA4161 **Sleep disordered breathing in children: Is it less in rural areas?**
Ela Erdem Eralp (Istanbul, Turkey), Ersoy Civelek, Ela Erdem, Bulent Karadag, Fazilet Karakoc, Can Naci Kocabas, Refika Ersu

PA4162 **Functional respiratory imaging in children with Down syndrome and OSA**
Monique Slaats (Antwerp, Belgium), Monique Slaats, Wim Vos, Cedric Van Holsbeke, Marek Wojciechowski, Jan De Backer, Dieter Loterman, An Boudewyns, Wilfried De Backer, Stijn Verhulst

PA4163	**Is there a link between a unique body position during sleep in children with Down syndrome and obstructive sleep apnoea?** Mieke Maris (Zwijndrecht, Belgium), Mieke Maris, An Boudewyns, Marek Wojciechowski, Paul Van de Heyning, Stijn Verhulst
PA4164	**Apparent life –Threatening events may predispose to sleep disordered breathing in preschool age** Jole Rabasco (Rome, Italy), Jole Rabasco, Alessandro Vigo, Melania Evangelisti, Silvia Noce, Marilisa Montesano, Maria Pia Villa
PA4165	**Sleep studies in infants with apparent life threatening event** Joaquin TerÁn-Santos (Burgos, Spain), Joaquin Terán-Santos, María José Mora-Simón, Estrella Ordax-Carbajo, Ana Isabel Navazo-Egüia, Gregorio De La Mata, Isabel Del Blanco, María García-Gonzalez, Esteban Gómez-Sanchez, María Luz Alonso-Alvarez
PA4166	**Oxygen saturation, periodic breathing and apnea during sleep in infants 1 to 4 months old living at 2,560 meters above sea level** Santiago Ucros (Bogota, Colombia), Santiago Ucrós, Claudia Granados, Karem Parejo, Fernando Guillén, Fausto Ortega, Sonia Restrepo, Fabián Gil, Miriam Guillén
PA4167	**Adenotonsillar tissue size in prematurely-born children with snoring: An MRI study** Athanasios G Kaditis (Athens, Greece), Georgia Papaioannou, Evangelia Manopoulou, Marina Tsaoussoglou, Polytimi Panaghiotopoulou-Gartagani, George Chrousos, Athanasios Kaditis
PA4168	**Sleep-disordered breathing and adipokine secretion in obese children and adolescents** Annelies Van Eyck (Wilrijk, Belgium), Annelies Van Eyck, Kim Van Hoorenbeeck, Benedicte De Winter, Luc Van Gaal, Wilfried De Backer, Stijn Verhulst
PA4169	**Serum leukotriene B_4 levels, tonsillar hypertrophy and obstructive sleep-disordered breathing in childhood** Athanasios G Kaditis (Athens, Greece), Emmanouel Alexopoulos, George Haritos, Christina Befani, George Mousailidis, Vassilis Lachanas, Panagiotis Liakos, Konstantinos Gourgoulianis, Athanasios Kaditis
PA4170	**Sleep architecture and type 2 diabetes mellitus: Where's the link?** Ana Araújo (Aveiro, Portugal), Ana Araújo, Luís Rodrigues, Jorge Henriques, Gilberto Teixeira, Pedro Ferreira, Carla Valente, Alcina Saraiva, Lília Andrade
PA4171	**Resting energy expenditure among patients with obstructive sleep apnea syndrome: The impact of a single CPAP application** Katalin Passa-Fekete (THESSALONIKI, Greece), Katalin Fekete, Afroditi Boutou, Georgia Pitsiou, Nikolaos Chavouzis, Athanasia Pataka, Ioanna Ahanasiou, George Ilonidis, Theodoros Kontakiotis, Paraskevi Argyropoulou, Ioannis Kioumis
PA4172	**Serum levels of adipokines in obstructive sleep apnea** Züleyha Kaya Bingöl (Istanbul, Turkey), Zuleyha Bingol, Ekrem Bilal Karaayvaz, Aysegul Telci, Ahmet Kaya Bilge, Gulfer Okumus, Esen Kiyan
PA4173	**Emerging aplications: Screening OSA by modified pictorial Epsworth sleepiness scale in Indian** Azmat Karim (Delhi, India), Azmat Karim, Vijay Kumar Arora, Mohan Bandhu Gupta
PA4174	**Overlap: Asthma and sleep apnea syndrome** Antonella Marotta (Limatola, Italy), Giuseppe Fiorentino, Anna Annunziata, Gianfranco Scotto di Frega, Rosa Cauteruccio, Antonella Marotta, Anna Michela Gaeta, Maria Antonietta Mazza, Maria Cardone
PA4175	**Prevalence of overlap syndrome and its correlation with severity of obstructive sleep apnea syndrome** Sarra Maazaoui (Tunis, Tunisia), Sarra Maazaoui, Haifa Zaibi, Jihen Ben Amar, Besma Dhahri, Salwa Azzebi, M. Ali Baccar, Hichem Aouina
PA4176	**Profile of patients with obstructive sleep apnoea referred to a sleep clinic in Sri Lanka** Chandimani Undugodage (Colombo, Sri Lanka), Chandimani Undugodage, Gnanapriya Daminda, Manjula Danansuriya, Ashan Kalugamage
PA4177	**Sleep disordered breathing in patients with glycogenosis type II** Gianfranco Scotto di Frega (Naples, Italy), Anna Annunziata, Giuseppe Fiorentino, Gianfranco Scotto di Frega, Antonella Marotta, Rosa Cauteruccio, Anna Michela Gaeta, Maria Antonietta Mazza, Maria Cardone
PA4178	**Obstructive sleep apnoea and nocturnal arrhythmias in patients with ischaemic heart disease** Silin Kuang (Singapore, Singapore), Silin Kuang, See Meng Khoo

Hall 14-28 Session 425 12:50 - 14:40

Thematic poster: More paediatric asthma and allergy

Chairs : Angela Zacharasiewicz (Vienna, Austria), Marc van der Schee (Amsterdam, Netherlands), Sejal Saglani (London, United Kingdom), Erol Gaillard (Leicester, United Kingdom)

PA4179	**LATE-BREAKING ABSTRACT: Rhinovirus species and specific antibody response in preschool children with acute wheeze** Katarina Stenberg Hammar (Stockholm, Sweden), Katarina Stenberg-Hammar, Katarzyna Niespodziana, Cilla Söderhäll, Anna James, Jon R. Konradsen, Erik Melén, Marianne van Hage, Rudolf Valenta, Gunilla Hedlin
PA4180	**Wheeze presentations to emergency department exponentially decline with increasing age** Stephen Oo (Perth, Australia), Stephen Oo, Skarin Dmitry, Ta Ta, Bizzintino Joelene, Laing Ingrid, Borland Meredith, Le Souef Peter
PA4181	**Asthma and allergy from infancy into school age – The allergic march revisited** Emma Goksor (Molnlycke, Sweden), Emma Goksör, Petra Loid, Bernt Alm, Per Möllborg, Rolf Pettersson, Laslo Erdes, Nils åberg, Göran Wennergren
PA4182	**Follow-up of infants hospitalized for bronchiolitis. Clinical factors that determine their evolution** Guillermo Zepeda Flores (Santiago, Chile), Guillermo Zepeda, Patricia Díaz, Ricardo Pinto, Aldo Gaggero, Paola Uasapud
PA4183	**Prevalence of allergic diseases in schoolchildren in Oran town, Algeria** Abdelmajid Snouber (Oran, Algeria), Malika Metahri, Abdelmajid Snouber, Souad Kebbati, Bellahouel Bencharef, Malika Guermaz
PA4184	**Effect of Asian dust on pediatric asthma in Korea** Yoon-Sung Park (Incheon, Republic of Korea), Yoon-Sung Park, Jeong Hee Kim, Hae Ji Jang, Yoon-Hee Tae, Dae Hyun Lim
PA4185	**Nationality and asthma: The role of familar atopy and lifestyle** Emilija Vlashki (Skopje, FYROM (Macedonia)), Emilija Vlashki, Katerina Stavric, Milica Kimovska, Lidija Seckova, Sultana Asani, Teuta Jakupi
PA4186	**Prolonged bronchodilator responsiveness after preschool virus-induced wheezing episodes may predict asthma persistence** Sotirios Fouzas (Patras, Greece), Eleni Skylogianni, Kostas Bolis, Michael Anthracopoulos, Sotirios Fouzas
PA4187	**Risk for asthma is associated with higher BMI, but not with obesity?** Ivana Banic (Zagreb, Croatia), Ivana Banic, Sandra Bulat Lokas, Jelena Zivkovic, Iva Mrkic Kobal, Marcel Lipej, Davor Plavec, Mirjana Turkalj
PA4188	**Hospitalization rate as a measure of the outpatient management quality in children with asthma** Minca Mramor (Ljubljana, Slovenia), Minca Mramor, Tjaša Kljajic, Malena Aldeco, Ana Kotnik Pirš, Dušanka Lepej, Marina Praprotnik, Uroš Krivec
PA4189	**Relationship between childhood asthma severity and mother's general education** Snezana Radic (Belgrade, Republic of Serbia), Snezana Radic, Branislava Milenkovic, Branislav Gvozdenovic, Zorica Zivkovic, Milka Micic, Spomenka Smiljanic, Olivera Calovic
PA4190	**Level of physical activity in asthmatic in an extremely arid area in the Brazilian Northeast** Marco Junior (Recife, Brazil), Marco Junior, Emilia Costa, Emanuel Sarinho, Angelo Rizzo, Silvia Sarinho
PA4191	**Are acute exacerbation blood eosinophil numbers associated with clinical pattern of preschool wheeze?** Karl Holden (Leicester, United Kingdom), Karl Holden, Damian Roland, Kathryn Staley, Erol Gaillard
PA4192	**Are raised blood eosinophils during acute wheeze associated with exacerbation frequency in preschool children?** Karl Holden (Leicester, United Kingdom), Karl Holden, Damian Roland, Kathryn Staley, Erol Gaillard
PA4193	**Nutritional status measured by bioelectrical impedance in asthmatic children** Eliza Wasilewska (Gdansk, Poland), Eliza Wasilewska, Aurelia Ziólkowska, Sylwia Malgorzewicz, Ewa Jassem
PA4194	**The role of vasoactive intestinal peptide in regulation of bronchial tone in children with asthma during the period of exacerbation** Olga Semernik (Rostov-on-Don, Russian Federation), Olga Semernik, Alexander Lebedenko
PA4195	**Hyperactivity of the IL33-ST2 axis during postnatal alveolarization increases susceptibility to allergic airway inflammation by enhancing migration and skewing of CD11b+ dendritic cells** Ismé de Kleer (Rotterdam, Netherlands), Ismé De Kleer, Mirjam Kool, Harald Braun, Hamida Hammad, Rudi Hendriks, Bart Lambrecht
PA4196	**Relationship between epithelial TGF-ß1 expression and number of myofibroblasts in bronchial mucosa of children with chronic respiratory diseases** Lenka Honkova (Prague, Czech Republic), Lenka Honková, Katarina Beránková, Jirí Uhlík, Petra šimunková, Petr Pohunek

PA4197 **YKL-40 levels in cord blood – Associations with respiratory symptoms and asthma in children?**
Jakob Usemann (Basel, Switzerland), Jakob Usemann, Urs Frey, Ines Mack, Anne Schmidt, Dominik Hartel, Philipp Latzin

PA4198 **Altered expression of histamine receptor 4 and MAPK kinase in childhood asthma**
Aleksandra Szczepankiewicz (Poznan, Poland), Aleksandra Szczepankiewicz, Paulina Sobkowiak, Aleksandra Hoffmann, Beata Narozna, Anna Breborowicz

Hall 14-29 Session 426 12:50 - 14:40

Thematic poster: Respiratory physiotherapy: outcomes in disease and health

Chairs : Deniz Inal Ince (Ankara, Turkey), Guilherme Augusto de Freitas Fregonezi (Barcelona, Spain), Rachael A Evans (Leicestershire, United Kingdom), Carlos Augusto Camillo (Leuven, Belgium)

PA4199 **Swallowing function during high-flow nasal cannula therapy**
masaki oomagari (Hamamatsu, Japan), Masaki Oomagari, Ichiro Fujishima, Norimasa Katagiri, Shinichi Arizono, Koji Watanabe, Tomohisa Ohno, Hiroshi Maeda, Motoki Moriwaki, Mariko Fujimori, Shohei Ohgi

PA4200 **Reliability of phonation maximum time and capacity in slow vital healthy subjects**
Marco Junior (Recife, Brazil), Marco Junior, Emilia Costa, Flávio Andrade, Rodrigo Araújo, Angelo Rizzo, Emanuel Sarinho, Silvia Sarinho

PA4201 **Pain assessment before and after three chest physiotherapy techniques in hospitalized neonates**
Mariana Hoffman Barbosa (Belo Horizonte, Brazil), Mariana Hoffman, Tricia Oliveira, Dayane Montemezzo, Gabriela Lopes, Flávia Rocha, Tanti Sant'Ana, Verônica Parreira

PA4202 **Knowledge and adherence of airway clearance techniques in patients with non-cystic fibrosis bronchiectasis**
Gerard Munoz Castro (Girona, Spain), Gerard Muñoz, Javier De Gracia, Antoni Alvarez, Gladis Sabater, Saioa Eizaguirre, Enric Boyer, Montserrat Vendrell

PA4203 **Inhaled hypertonic saline as an adjunct to respiratory physiotherapy in UK paediatric lung transplant patients**
Emma Shkurka (London, United Kingdom), Emma Shkurka, Helen Spencer, Hafez Ahmed

PA4204 **Role of bronchus morphology on mucus mobilization during chest physiotherapy**
Benjamin Mauroy (Nice, France), Benjamin Mauroy, Christian Fausser, Dominique Pelca, Jacques Merckx, Patrice Flaud

PA4205 **Are crackles age dependent?**
Alda Sofia Pires de Dias Marques (Aveiro, Portugal), Ana Oliveira, José Aparício, Alda Marques

PA4206 **Respiratory auscultation: (dis)agreement between health professionals**
Alda Sofia Pires de Dias Marques (Aveiro, Portugal), Ana Machado, Ana Oliveira, José Aparício, Alda Marques

PA4207 **Respiratory clinicians' views of motivational interviewing (MI) for enhancing engagement and adherence as part of pulmonary rehabilitation (PR)**
Robert Shannon (Southampton, United Kingdom), Robert Shannon, Maggie Donovan-Hall, Anne Bruton

PA4208 **Learning motivational interviewing (MI) for use in pulmonary rehabilitation (PR)**
Robert Shannon (Southampton, United Kingdom), Robert Shannon, Anne Bruton, Maggie Donovan-Hall

PA4209 **Goal setting in rehabilitation for people with COPD: Respiratory physiotherapists' perspectives**
Rachael Summers (southampton, United Kingdom), Rachael Summers, Claire Ballinger, Anne Bruton, Rachel Garrod, Miranda Leontowitsch

PA4210 **Assessment of inpatient's satisfaction with physiotherapy care in a public hospital**
Luciana Chiavegato (São Paulo, Brazil), Daniela Gimenes de Paula, Nathália Toledo Pacheco, Flavia Medeiros, Luciola Costa, Luciana Chiavegato

PA4211 **Unsupported upper limb exercise test: Reliability and learning effect**
Alda Sofia Pires de Dias Marques (Aveiro, Portugal), Alda Marques, Ana Oliveira, Cristina Jácome, Joana Cruz

PA4212 **Impact of immersion at different levels on respiratory function in healthy subjects**
Roland Hotton (Limal, Belgium), Sandra Peignot, Thomas Mettay, Roland Hotton

PA4213 **Effects of position on tidal volume changes from manual breathing assist techniques**
Takako Tanaka (Nagasaki, Japan), Takako Tanaka, Hideaki Senjyu, Chika Kitagawa, Masaharu Asai, Ryo Kozu

PA4214 **Assessment of inspiratory pressures: Comparison between the maximum static and the nasal sniff in young healthy**
Natália Pinto (Brasilia, Brazil), Natália Lucília Pinto, Paula Lorranny Marques, Graziella França Bernardelli, Sergio Ricardo Mateus

PA4215	**Sustained maximal inspiratory pressure as a measure to inspiratory muscle function** Mariana Hoffman Barbosa (Belo Horizonte, Brazil), Mariana Hoffman, Dayane Montemezzo, Sabrina Lima, Danielle Gomes, Natália Oliveira, Raquel Britto, Giane Ribeiro-Samora
PA4216	**The stability of breathing pattern components over time in different body positions** Fatimah AL Shaikh (southampton, United Kingdom), Fatimah Al-Shaikh, Anne Bruton, Anna Barney
PA4217	**Comparison of breathing pattern and thoracoabdominal motion of healthy elderly** Letícia Gabriel (Belo Horizonte, Brazil), Letícia Gabriel, Mariana Hoffman, Liliane Mendes, Giane Samora, Catarina Rattes, Armele Dornelas, Raquel Britto, Verônica Parreira
PA4218	**Influence of posture, gender and sex on breathing pattern and thoracoabdominal motion during quiet breathing in healthy subjects** Liliane Mendes (Belo Horizonte, Brazil), Liliane Souza Mendes, Mariana Hoffman Barbosa, Letícia Silva Gabriel, Giane Ribeiro-Samora, Guilherme Freitas Fregonezi, Armèle Dornelas Andrade, Raquel Rodrigues Britto, Verônica Franco Parreira

Hall 14-30 Session 427 12:50 - 14:40

Thematic poster: Quality management in lung cancer

Track(s) : Oncology

Chairs : Torsten Gerriet Blum (Berlin, Germany), Georgia Hardavella (London, United Kingdom), Pascale Tomasini (Marseille, France), Chair to be confirmed

PA4219	**Novel survey tool used to assess priorities of lung cancer patients and carers** Mathew Peters (Concord, Australia), Matthew Peters, Aoife McNamara, Win Boerckel, Albert Van Eijk, Jesme Fox
PA4220	**Lung cancer consultation letter to patient - Do you feel informed and cared?** Syed Mehdi (Bolton, United Kingdom), Syed B. Mehdi, Ram Sundar, Neil Bayman
PA4221	**Reducing the rate of emergency presentation in lung cancer** Michelle Huxley (Crewe, United Kingdom), Michelle Huxley, Sue Stubbs, Catherine Mills, Duncan Fullerton, Syed M.H. Kazmi
PA4222	**Epithelial growth factor receptor (EGFR) mutation status and the treatment of non-small cell lung cancer (NSCLC): A population based quality assurance analysis** Niels-Christian Gerner Hansen (Odense C, Denmark), Niels-Chr. G. Hansen, Christian B. Laursen, Karin H. Hansen, Karen E. Olsen
PA4223	**Effect of incidental FDG findings at extrapulmonary locations on duration of diagnosis and time to treatment in patients staged for lung cancer: Retrospective analysis** Yavuz Havlucu (Manisa, Turkey), Yavuz Havlucu, Pinar Celik, Fikret Kurhan, Tugba Goktalay, Aysin Sakar Coskun, Arzu Yorgancioglu
PA4224	**Should resection rate increase when PET-CT use increases? An analysis of PET-CT use in large UK lung cancer network 2011 - 2013** Matthew Evison (Manchester, United Kingdom), Haval Balata, Evison Matthew, Julie Morris, Haider Al-Najjar, Phil Barber, Philip Crosbie, Richard Booton
PA4225	**European mapping of EGFR mutation test and EGFR tyrosine kinase inhibitors availability in thoracic oncology** Mélodie Carbonnaux (Lyon, France), Mélodie Carbonnaux, Pierre-Jean Souquet, Arnaud Scherpereel, Sébastien Couraud
PA4226	**Low histological confirmation rate in a District General Hospital (DGH)– exploring the reasons why** Michelle Huxley (Crewe, United Kingdom), Michelle Huxley, Sue Stubbs, Syed M.H. Kazmi
PA4227	**Is time from "referral to diagnosis" in lung cancer pathway affected by diagnostic test delays?** Michelle Huxley (Crewe, United Kingdom), Michelle Huxley, Sue Stubbs, Lynn Thomas, Gerhard Bockeler, Duncan Fullerton, Syed M.H. Kazmi
PA4228	**Lung cancer and socioeconomic status: Differences in demographics, stage, treatment and mortality in a lung cancer centre** Eve Denton (Mornington, Australia), Eve Denton, Matthew Conron, David Hart, Gavin Wright, Rory Wolfe, Prue Russell
PA4229	**Population's understanding and degree of participation of a screening lung cancer programme** María Sánchez-Carpintero Abad (Orkoien (Navarra), Spain), María Sánchez-Carpintero Abad, Leticia García Rodriguez, Marta López Cañadas, Franisco Roig Vázquez
PA4230	**Improving survival for NSCLC patients in the national lung cancer audit** Ian Woolhouse (Birmingham, United Kingdom), Paul Beckett, Ian Woolhouse, Mick Peake, Laila Tata, Aamir Khakwani

PA4231	**Defining a standard set of patient-centered outcomes for patients with lung cancer** Jan van Meerbeeck (Ghent, Belgium), Jan P. Van Meerbeeck, Kimberley S. Mak, Annelotte Van Bommel, Caleb Stowell, Mick Peake
PA4232	**Follow -up results, malignancy rates and malignancy determinants of the pulmonary nodules that evaluated in multidisciplinary thoracic oncology tumour board** Özge Öztürk (Ankara, Turkey), özge öztürk, Ahmet Ugur Demir, Ziya Toros Selçuk
PA4233	**Lung cancer, has it changed in the last ten years?** David Bravo Blanco (Llodio, Spain), David Bravo Blanco, Olatz Llaguno Ochandiano, Igor Murga Arizabaleta, Ester Marijuán Gómez, Laura Tomás López, Jose Luis Lobo Beristain, Patricia Sobradillo Ecenarro
PA4234	**Is there equitable access to PET-CT for lung cancer patients across a large UK cancer network; a retrospective study of 4597 patients** Haval Balata (Manchester, United Kingdom), Haval Balata, Matthew Evison, Julie Morris, Haider Al-Najjar, Phil Barber, Philip Crosbie, Richard Booton
PA4235	**Analysis of PET-CT use across a UK cancer network: Are we adhering to NICE guidelines?** Haval Balata (Manchester, United Kingdom), Haval Balata, Matthew Evison, Haider Al-Najjar, Phil Barber, Richard Booton, Philip Crosbie

Hall 14-31 Session 428 12:50 - 14:40

Thematic poster: Lung cancer: prognostic factors and features of oncogene-driven tumours

Track(s) : Oncology

Chairs : Nadja Triller (Ljutomer, Slovenia), Charlotte Leduc (Strasbourg, France), Etienne Giroux Leprieur (Paris, France), Ilona Rousalova (Prague, Czech Republic)

PA4236	**Prognostic impact of secondary malignancies in non-small cell lung cancer (NSCLC)** Rainer G. Wiewrodt (Münster, Germany), Arik Bernard Schulze, Lars Henning Schmidt, Andreas Kuemmel, Lara Baie, Christoph Albers, Andreas Faldum, Dennis Görlich, Rainer Wiewrodt
PA4237	**MUC1 gene polymorphism and serum KL-6 in lung adenocarcinoma** Yasushi Horimasu (Hiroshima, Japan), Yasushi Horimasu, Nobuhisa Ishikawa, Sonosuke Tanaka, Hiroshi Iwamoto, Shinichiro Ohshimo, Kazunori Fujitaka, Noboru Hattori, Hironobu Hamada, Nobuoki Kohno
PA4238	**PIWI proteins as prognostic markers in non small cell lung cancer** Jorge Moisés Lafuente (Barcelona, Spain), Jorge Moisés, Alfons Navarro, Rut Tejero, Nuria Viñolas, Anna Cordeiro, Ramón M. Marrades, Dolors Fuster, Oriol Caritg, Carmen Muñoz, Laureano Molins, Josep Ramírez, Mariano Monzó
PA4239	**Exploring the 24h-effect of targeted therapies in non-small cell lung cancer from exon array blood profiling using dually constrained correspondence analysis** Florent Baty (St. Gallen, Switzerland), Florent Baty, Martin Brutsche
PA4240	**Significance of expression of TGF- in pulmonary metastasis in non-small cell lung cancer tissues** Marina Petrovic (Kragujevac, Republic of Serbia), Marina Petrovic, Vladimir Jurišic, Ivan Cekerevac, Zorica Lazic, Gordana Kostic, Goran Davidovic
PA4241	**Exploring the neutrophil/lymphocyte and platelet/lymphocyte ratios as biomarkers for lung cancer development** Pablo Sanchez Salcedo (Orkoien (Navarra), Spain), Pablo Sanchez-Salcedo, Jessica Gonzalez, Diego Martinez-Urbistondo, Juan Berto, Pilar Rivera, Esmeralda Lopez-Zalduendo, Ana Belen Alcaide, Arantzazu Campo, Juan Pablo De Torres, Javier Zulueta
PA4242	**A polymorphism, which exists intronic lesion of SLC5A10, affects DRG2 expression and survival outcome of early-stage non-small cell lung cancer** Lee Soyeon (Daegu, Republic of Korea), So Yeon Lee, Seung Soo Yoo, Mi Jung Hong, Hye Won Seo, Yong Dae Lee, Keum Ju Choi, Jin Eun Choi, Hyo Gyoung Kang, Yangki Seok, Eung Bae Lee, Kyung Min Shin, Ji Yun Jeong, Won Kee Lee, Shin Yup Lee, Jaehee Lee, Seung Ick Cha, Chang Ho Kim, Young Tae Kim, Sanghoon Jheon, Jae Yong Park
PA4243	**p16(ink4) expression and spirometry tests have similar survival outcomes values in non-small-cell lung cancer patients** Edin Jusufovic (Tuzla, Bosnia and Herzegovina), Rifat Sejdinovic, Edin Jusufovic, Dragan Keser, Besim Prnjavorac, Ljiljana Sejdinovic, Azra Okanovic
PA4244	**The prognostic impact of PD1 and PDL1 expression in non-small cell lung cancer** Lars Schmidt (Münster, Germany), Lars Henning Schmidt, Andreas Kümmel, Dennis Görlich, Michael Mohr, Sebastian Bröckling, Inga Grünewald, Eva Wardelmann, Anne Schultheis, Jan-Henrik Mikesch, Benedikt Vietmeier, Carsten Müller-Tidow, Alessandro Marra, Christoph Schliemann, Wofgang E. Berdel, Wolfgang Hartmann, Wiewrodt Rainer

PA4245 **Are serum leptin levels a prognostic factor in advanced lung cancer?**
Ceyda Anar (Izmir, Turkey), Ceyda Anar, Derya Deniz, Serhat Erol, Yasemin Ozdogan, Melike Yuksel Yavuz, Ufuk Yilmaz, Huseyin Halilcolar

PA4246 **Serum osteopontin as a prognostic marker in patients with lung cancer**
Vasiliki Petta (Athens, Greece), Vasiliki Petta, Stelios Loukides, Konstantinos Kostikas, Georgios Papatheodorou, Kyriaki Cholidou, Yiannis Tomos, Spyridon Papiris, Nikolaos Koulouris, Petros Bakakos

PA4247 **Does bronchial location of lung cancer influence overall survival?**
Christophe Paris (Nancy, France), Christophe Paris, Patrice Avogbe, Jean-Michel Vignaud, Amandine Luc, Emmanuelle Penven, Isabelle Thaon

PA4248 **Prognostic factors for stage IV lung adenocarcinoma patients receiving retreatment with EGFR-TKI**
Chia-yu Kuo (Tainan, Taiwan), Chia-Yu Kuo, Chih-Jen Yang, Ming-Ju Tsai, Jen-Yu Hung, Jui-Ying Lee, Shah-Hwa Chou, Ta-Chih Liu, Ming-Shyan Huang, Inn-Wen Chong

PA4249 **EGFR mutation in non-small cell lung cancer(NSCLC) in South Croatia**
Suzana Mladinov (Split, Croatia), Suzana Mladinov, Ivan Skopljanac, Veljka Ivcevic, Sendi Kuret, Meri Glavina Durdov, Kornelija Miše

PA4250 **The diagnosis and incidence of epidermal growth factor receptor (EGFR) and anaplastic lymphoma kinase (ALK) mutation in lung adenocarcinoma**
Chung-Jen Huang (New Taipei city, Taiwan), Chung-Jen Huang, Wen-Hui Ku

PA4251 **ALK/EML4 translocation in non-squamous NSCLC and their predictors**
Margarida Dias (Vila Nova de Gaia, Portugal), Margarida Dias, Rita Linhas, Ana Antunes, Sérgio Campainha, Sara Conde, Ana Barroso

PA4252 **Oncogenic drivers (OD) and matched targeted agents (TA): Impact on overall survival in patients with lung adenocarcinoma (LA)?**
Clotilde Fournier (Marseille, France), Clotilde Fournier de Lesquen, Laurent Greillier, Pascale Tomasini, Helene Barazzutti, Frederic Fina, Fabrice Barlesi

PA4253 **Lung cancer patients harbouring epidermal growth factor receptor mutation**
Catarina Carvalho de Oliveira Dias (Matosinhos, Portugal), Catarina Dias, David Araujo, Adriana Magalhaes, Henrique Queiroga, Venceslau Espanhol, Jose Machado, Conceiçao Moura, Agostinho Marques, Gabriela Fernandes

PA4254 **RT-PCR expression of EML4-ALK oncogene in Bulgarian patients with non-small cell lung cancers**
Dora Marinova (Sofia, Bulgaria), Dora Marinova, Darina Kachakova, Yanina Slavova, Gergana Stancheva, Atanaska Mitkova, Radka Kaneva, Dimitar Kostadinov, Vanyo Mitev

PA4255 **Epidermal growth factor receptor (EGFR) expression in non-small cell lung carcinoma (NSCLC) and survival**
Shivalingaswamy Salimath (Davangere, India), Shivalingaswamy Salimath, B.S. Jayaraj, P.A. Mahesh

Hall 14-32 Session 429 12:50 - 14:40

Thematic poster: Cell biology of lung cancer and new biomarkers

Track(s) : Oncology

Chairs : Sebastian Ott (Bern, Switzerland), Iwona Osinska (Warsaw, Poland), Yury Ragulin (Obninsk, Kaluga Oblast, Russian Federation), Nicolas Reynoird (La Tronche, France)

PA4256 **SMYD3 links lysine methylation of MAP3K2 to ras-driven lung cancer**
Nicolas Reynoird (La Tronche, France), Nicolas Reynoird, Pawel Mazur, Julien Sage, Or Gozani

PA4257 **Involvement of adamalysin proteases in modulations of tumor microenvironment and premetastatic niches**
Kim Donati (Liège, Belgium), Kim Donati, Sandrine Bekaert, Christelle Sépult, Agnès Noël, Natacha Rocks, Didier Cataldo

PA4258 **Macrophages promote urethane-induced lung adenocarcinoma**
Ioannis Lilis (Rio, Patras, Greece), Ioannis Lilis, Malamati Vreka, Magda Spella, Ioanna Giopanou, Antonia Marazioti, Georgios Stathopoulos

PA4259 **RBM5 regulates EGFR involving in cancerous transformation of cigarette smoke-induced BEAS-2B cells**
Jie Zhang (Changchun, China), Jie Zhang, Xuejiao Lv, Yuqiu Hao, Zhenzhong Su, Junyao Li, Yanwei Du

PA4260 **The influence of erythropoietin on growth and survival in non-small cell lung cancer cell lines**
Armin Frille (Leipzig, Germany), Armin Frille, Katharina Leithner, Andelko Hrzenjak, Andrea Olschewski, Horst Olschewski, Christoph Wohlkoenig

PA4261	**Evaluation of predictive and therapeutic value of WSX1/IL27 axis in non-small cell lung cancer (NSCLC)** Tomasz Wandtke (Bydgoszcz, Poland), Tomasz Wandtke, Joanna Wozniak, Piotr Kopinski, Joanna Chorostowska-Wynimko, Teresa Iwaniec, Andrzej Dyczek
PA4262	**Antitumor efficacy of the double suicide genesin lung cancer cells** Cheng Shen (Chengdu, China), Cheng Shen, Guowei Che
PA4263	**Inhibition of autophagy potentiates pemetrexed and simvastatin-induced apoptotic cell death in malignant mesothelioma and non-small cell lung cancer cells** Hak-Ryul Kim (Iksan, Jeonbuk, Republic of Korea), Hak-Ryul Kim, Kyung-Hwa Cho, Ki-Eun Hwang, Eun-Taik Jeong
PA4264	**A requirement for IKKa in lung adenocarcinoma** Malamati Vreka (Patras, Greece), Malamati Vreka, Ioannis Lilis, Maria Papageorgopoulou, Antonia Marazioti, Anastasios Giannou, Theodora Agalioti, Magda Spella, Georgios Stathopoulos
PA4265	**Comparative analysis of cisplatin treatment in in vitro 3D lung microtissue and monolayer cell cultures** Edit Kiss (Pécs, Hungary), Edit Kiss, Monika Avdicevic, David Ernszt, Judit E. Pongracz
PA4266	**Ghrelin ameliorates cancer cachexia associated with the development of lung adenocarcinoma in mice** Hironobu Tsubouchi (Kiyotake, Miyazaki prefecture, Japan), Hironobu Tsubouchi, Shigehisa Yanagi, Ayako Miura, Nobuhiro Matsumoto, Masamitsu Nakazato
PA4267	**The markers of oxidative stress in patient with lung cancer** Martina Antosova (Martin, Slovakia), Martina Antosova, Alica Bencova, Pavol Mikolka, Petra Kosutova, Daniela Mokrá, Eva Rozborilová
PA4268	**Potential genetic markers for the early diagnosis of peripheral and metastatic lung cancer** Nataliya Kulagina (Moscow, Russian Federation), Nataliya Kulagina, Vasiliy Pokrovsky, Alexander Averyanov, Alexey Nikitin, Dmitriy Sazonov, Nikolay Urazovsky
PA4269	**Expression of interleukin-18 and interleukin-18 receptor mRNA in lung tissue samples from non small lung cancer** Charoula Eleni Giannakopoulou (Athens, Greece), Charoula Eleni Giannakopoulou, Irene Papadopoulou, Grigorios Stratakos, George Kaltsakas, Fotis Vlastos, Rodoula Trigidou, Nikolaos Koulouris
PA4270	**Large-scale quantitative proteomic analysis identifies pathways in COPD-associated lung cancer** Chris Wendt (Minneapolis, United States of America), Brian Sandri, Andrew Limper, Pratik Jagtap, Svetlana Avdulov, Mark Peterson, Ping Yang, Ola Larsson, Carl Murie, Peter Bitterman, Tim Griffin, LeeAnn Higgins, Todd Markowski, Chris Wendt
PA4271	**Changes in lymphocyte subgroups of non-small cell lung cancer patients during chemotherapy** Qian Wang (Beijing, China), Qian Wang, Lei Yang, Yang Ge, Dong Yan, Guosheng Feng, Guangyu An, Yingmin Ma
PA4272	**Serum and bronchial aspiration fluid HE-4 levels in lung cancer** Elif Yilmazel Uçar (Erzurum, Turkey), Elif Yilmazel Ucar, Alev Lazoglu Ozkaya, Omer Araz, Metin Akgun, Mehmet Meral, Hasan Kaynar, Leyla Saglam, Hulya Aksoy, Fatih Akcay
PA4273	**Increased sirtuin expression in patient with lung squamous cell carcinoma co-morbid with COPD** Darja Svirina (Riga, Latvia), Darja Svirina, Sergejs Isajevs, Gunta Strazda, Ints Silins, Immanuels Taivans
PA4274	**The association of cyclooxygenase 2 single-nucleotide polymorphisms with susceptibility to and severity of non-small cell lung cancer** Chuen-Ming Shih (Taichung, Taiwan), Yao-Ling Lee, Chuen-Ming Shih
PA4275	**Analysis of FOXP3 expression in the lymph nodes of patients with lung adenocarcinoma- The pilot study** Iwona Osinska (Warsaw, Poland), Iwona Osinska, Juliusz Pankowski, Monika Pasieka-Lis, Dominika Wolosz, Joanna Domagala-Kulawik

Hall 14-33 Session 430 12:50 - 14:40

Thematic poster: Diagnosis and therapy of lung cancer

Track(s) : Oncology

Chairs : Paul Martin Putora (St. Gallen, Switzerland), Konstantinos Zarogoulidis (Thessaloniki, Greece), Ales Rozman (Golnik, Slovenia), Nicolas Girard (Bron, France)

PA4276	**LATE-BREAKING ABSTRACT: Novel rapid screening assay for HER2 duplicated insertion mutation by Eprobe-PCR method** Yoshiaki Takase (Gunma Pref., Japan), Yoshiaki Takase, Kimihiro Shimizu, Jun Atsumi, Yasuaki Enokida, Kai Obayashi, Yoichi Ohtaki, Toshiteru Nagashima, Tatsuo Ichihara, Yasumasa Kimura, Kengo Usui, Yasumasa Mitani, Izumi Takeyoshi

PA4277 **Feasibility of lung cancer screening in a population of patients with emphysema and/or COPD meeting NLST criteria**
Sara Isabel Vicente Antunes (MADRID, Spain), M.T. Pérez Warnisher, S. Vicente Antunes, E. Cabezas, G. Gallardo, A. Alcazar, P. Rodriguez, L. Seijo

PA4278 **Differences in epidemiological and clinical features in non-small cell lung cancer (NSCLC) in never and ever smokers**
Cátia Susana de Sousa Saraiva Barroca (Lisbon, Portugal), Catia Saraiva, Jorge Dionísio, Paula Ferreira, Dina Matias, Paulo Mota, Ambrus Szanthó, Duro Costa, Teresa Almodovar

PA4279 **Serum platelet, MPV, PCT and PDW values, neutrophil to lymphocyte and platelet to lymphocyte ratios in lung cancer diagnosis**
Füsun ahin (Istanbul, Turkey), Füsun Sahin, Pinar Yildiz

PA4280 **Change in cardiorespiratory fitness after lung resection is not related to the amount of lung tissue removed**
Elisabeth Edvardsen (Oslo, Norway), Elisabeth Edvardsen, Sigmund A. Anderssen, Fredrik Borchsenius, Ole H. Skjønsberg

PA4281 **Predicted versus observed pulmonary function and peak oxygen uptake after lung cancer surgery**
Elisabeth Edvardsen (Oslo, Norway), Elisabeth Edvardsen, Sigmund A. Anderssen, Fredrik Borchsenius, Ole H. Skjønsberg

PA4282 **Surgical treatmment non-small cell lung cancer in the elderly patients**
Aleksey Reshetov (Saint-Petersburg, Russian Federation), Aleksey Resahetov, Aleksey Elkin, Igor Lvov, Olga Shtepa, Dmitriy Kovalenko, Vadim Mosiagin, Vladimir Nevelskiy

PA4283 **Surgical treatment outcomes on early-stages of non-small-cell lung cancer**
Islam Mejri Ep Ajili (Hammamlif Ben Arous, Tunisia), Fekih Leila, Islam Mejri, Aymen Ayari, Hanène Smadhi, Hela Kammoun, Hela Hassène, Dorra Greb, Hajer Abdelghaffar, Ines Akrout, Mohamed Lamine Megdiche

PA4284 **Characteristics of smoking behaviour in patients post-curative resection of stage 1 lung cancer**
Robert Smyth (Kerry, Ireland), Robert Smyth, Judith Lyons, Claire Comerford, Barry O'Connell

PA4285 **Narrow band imaging (NBI) bronchoscopy in detection and characterization of X-ray negative bronchial lesions**
Alena Strunina (Yaroslavl, Yaroslavl Region, Russian Federation), Alena Strunina, Roman Kuvaev, Sergey Kashin, Natalya Smirnova, Alexandr Nadezhin

PA4286 **Autofluorescence bronchoscopy usefulness in endoscopic bronchial stump follow up**
Núria Toledo Pons (Palma de Mallorca, Spain), Núria Toledo Pons, Elisabetta Nervo, Vanina Pardini, Francisco de Borja Cosío, Federico Fiorentino, Alberto Alonso Fernandez, Ernest Sala Llinas, Jaume Sauleda Roig

PA4287 **Relationship of T status and metastasis according to new clinical TNM staging in non small cell lung carcinoma**
Huri Ozkan Yilmaz (Ordu, Turkey), Huri Ozkan Yilmaz, Attila Saygi, Adnan Yilmaz, Dida Marasli, Yeliz Duzgun, Hulya Koksal

PA4288 **Non-small cell lung cancer: Are M1a and M1b the same stage?**
Margarida Dias (Vila Nova de Gaia, Portugal), Margarida Dias, Daniel Coutinho, Rita Linhas, Sérgio Campainha, Sara Conde, Ana Antunes, Ana Barroso

PA4289 **Response to chemotherapy as a predictor of survival in advanced non-small cell lung cancer (NSCLC)**
Ghassen Soussi (Boumhal, Tunisia), Ghassen Soussi, Hajer Racil, Saoussen Bacha, Sana Cheikh Rouhou, Asma Zidi, Aïda Ayadi, Nawel Chaouch, Abdellatif Chabbou

PA4290 **The impact of chronic obstructive pulmonary disease on survival of the patients with small-cell lung cancer**
Seung Jun Lee (Jinju, Republic of Korea), Seung Jun Lee, Sujin Lim, Jung Wan You, Yu Ji Cho, Yi Yeong Jeong, Ho Cheol Kim, Jong Deog Lee

PA4291 **Gene therapy with DDMC-p53 with or without cisplatin and microwave ablation. A future concept for local treatment in lung cancer**
Pavlos Zarogoulidis (Thessaloniki, Greece), Paul Zarogoulidis, Wolfgang Hohenforst-Schmidt, Kaid Darwiche, Lutz Freitag, Konstantinos Zarogoulidis, Lonny Yarmus, J. Francis Turner, Robert Browning, Joshua Stopek, Harald Rittger, Thomas Vogl

PA4292 **TTF 1- expression and pemetrexed based chemotherapy. A retrospective analysis**
Claus Steppert (Bayreuth, Germany), Claus Steppert, Hannah Foerster, Rumo Leistner, Jens Krugmann

PA4293 **Unexpected hair growth induced by gefitinib treatment in two patients with EGFR gene mutation-positive adenocarcinoma of the lung**
Kunihiko Yoshimura (Tokyo, Japan), Kunihiko Yoshimura, Miho Ejima

PA4294 **Prognostic factors in non-small cell lung cancer**
othman lamine (Ariana, Tunisia), O. Neffati, L. Fekih, H. Kammoun, A. Ayari, I. Mejri, H. Smadhi, I. Akrout, H. Abdelghaffar, D. Greb, H. Hassene, M.L. Megdiche

PA4295 **Metabolomic profiles in lung cancer subjects and healthy controls. Influence of smoking tobacco exposure**
Ricardo Ismael Aguilar Perez Grovas (Huelva, Spain), Ricardo Aguilar Perez-Grovas, Eva Vázquez Gandullo, Belén Callejón Leblic, Macarena González Fernández, Jesús Grávalos Guzmán, Tamara García Barrera, José Luis Sánchez Ramos, José Antonio Maldonado Pérez, María Pilar Muñoz Zara, José Luis Gómez Ariza, Antonio Pereira Vega

Hall 14-34 Session 431 12:50 - 14:40

Thematic poster: Thoracic oncology around the world: rare cases and local features

Track(s) : Oncology

Chairs : Dragana M. Jovanovi (Beograd, Republic of Serbia), Mauro Zamboni (Rio de Janeiro, Brazil), Laura Succony (Hertfordshire, United Kingdom), Florin Rusu-Cordunean (Iasi, Romania)

PA4296 **Lung cancer in patients before the age of 45: A retrospective analysis of 62 patients**
Christelle Clement-Duchene (Neuves-Maisons, France), Christelle Clément-Duchêne, Guillaume Gauchotte, Yves Martinet, Jean-Michel Vignaud, Christophe Paris

PA4297 **Multifocal cavitary lung adenocarcinoma: Clinical, radiologic and pathologic features**
Wenhui Chen (Beijing, China), Wenhui Chen, Yuhui Zhang, Xueli Zhang, Lei Zhang, Ping Wei, Huaping Dai

PA4298 **Treatment and survival in patients with pulmonary carcinoid tumours; an updated analysis from the UK national lung cancer audit**
Stephanie Hobbins (West Midlands, United Kingdom), Stephanie Hobbins, Paul Beckett, Michael Peake, Ian Woolhouse

PA4299 **The bronchial carcinoid tumor. Experience in our hospital**
Xenia Roxana Lopez Contreras (Pamplona, Spain), Xenia López Contreras, Vanesa López Rodríguez, Sonia Herrero Martín, Pilar Cebollero Rivas, Jose Cascante Rodrigo, Angel Panizo, Javier Hueto Pérez de Heredia

PA4300 **Pulmonary artery sarcoma. Complex problems with a rare tumor**
Igor Motus (Ekaterinburg, Sverdlovsk Oblast, Russian Federation), Igor Motus, Vladimir Parshin, Yrii Belov, Alexander Chernyavsky, Anton Neretin

PA4301 **A rare diagnosis after pediatric tuberculosis screening**
Nadia Nathan (Paris, France), Nadia Nathan, Marie Wislez, Nathalie Lambert, Benjamin Diallo, Hubert Ducou le Pointe, Aurore Coulomb l'Hermine, Annick Clement

PA4302 **Rare localization of NUT midline carcinoma revealed by pneumonia and pleural effusion in a 13 years old patient: A case report**
Jessica Taytard (Gradignan, France), Jessica Taytard, Filomena Pierro, Harriet Corvol, Aurore Coulomb-l'Hermine, Annick Clement

PA4303 **Sclerosing hemangioma of the lung: An analysis of 8 cases**
Adnan Yilmaz (Istanbul, Turkey), Gulbanu Horzum Ekinci, Osman Haciomeroglu, Ayse Ersev, Levent Alpay, Ayçim Sen, Pinar Atagun Guney, Adnan Yilmaz

PA4304 **Cancer-associated retinopathy in a 66 years-old woman with small-cell lung cancer**
Mathilde Jeanvoine (Rouen, France), Mathilde Jeanvoine, Mathieu Salaün, Florian Guisier, Julie Gueudry, Suzanna Bota, Luc Thiberville

PA4305 **Sclerosing hemangioma of the lung: Report of 4 cases**
Tatyana Novitskaya (Saint-Petersburg, Russian Federation), I.V. Dvorakovskaya, T.A. Novitskaya, F.M. Mazitova, I.N. Chuprov, S.A. Vinnichuk

PA4306 **Adenoid cystic carcinoma of the trachea and bronchus: Prognostic factors and patterns of recurrence**
Mian Xie (Guangzhou, China), Mian Xie, Xiaosong Ben, Jinjun Zhang, Jinhui Hou, Shenhai Wei, Yinyin Gu

PA4307 **Rare primary pulmonary tumors**
Meriem Mjid (Bab Saadoun/Tunis, Tunisia), Meriem Mjid, Hana Blibech, Sonia Toujani, Rihab Bey, Nozha Ben Salah, Yassine Ouahchi, Bechir Louzir, Nadia Mhiri, Jouda Cherif, Majed Beji

PA4308 **Clinicopathological characteristics and treatment outcomes of pulmonary carcinosarcoma in eight patients**
Adnan Yilmaz (Istanbul, Turkey), Gulbanu Horzum Ekinci, Osman Haciomeroglu, Serda Kanbur Metin, Ayse Ersev, Pinar Atagun Guney, çagatay Tezel, Adnan Yilmaz

PA4309 **Epidemiological and clinical profile of lung cancer in Algiers**
Samir Dourmane (Alger, Algeria), Samir Dourmane, Merzak Gharnaout

PA4310 **Survival in lung cancer: Associated factors in Tunisian patients**
Melki Boutheina (Tunis, Tunisia), Boutheina Melki, Samira Aouadi, Houda Gahrsalli, Dorra Bejar, Soumaya Laabidi, Sonia Maâlej, Leila Douik el Gharbi

PA4311 **General characteristics and therapeutic options in lung cancer in Turkey**
Tevfik Özlü (Trabzon, Turkey), Tevfik Ozlu, Yilmaz Bulbul, Sibel Arinc, Berna A. Ozyurek, Hulya Gunbatar, Aysegul Senturk, Ayse Bahadir, Melike Ozcelik, Ufuk Yilmaz, Makbule Ozlem Akbay, Leyla Saglam, Talat Kilic, Gamze Kirkil, Neslihan Ozcelik, Dursun Tatar, Serap Argun Baris, Mehmet Yavsan, Hatice Selimoglu Sen, Serdar Berk, Murat Acat, Gulfidan Cakmak, Perran Fulden Yumuk, Yavuz Selim Intepe, Umran Toru, Sibel O. Ayik, Ilknur Basyigit, Sibel Ozkurt, Levent Cem Mutlu, Zehra Asuk Yasar, Hidir Esme, Muharrem Erol, Ozlem Oruc, Yurdanur Erdogan, Selvi Asker, Arife Ulas, Serhat Erol, Bugra Kerget, Ahmet Emin Erbaycu, Turgut Teke, Mehmet Besiroglu, Huseyin Can, Fahrettin Talay

PA4312 **Smoking patterns after lung cancer diagnosis: A pulmonology department experience**
Rita Linhas (Porto, Portugal), Rita Linhas, Margarida Dias, Sérgio Campainha, Ana Antunes, Sara Conde, Ana Barroso

PA4313 **Lung cancer in never smokers. A survival analysis in a radon prone area**
María Luisa Torres Duran (Vigo (Pontevedra), Spain), María Torres-Duran, Alberto Ruano-Ravina, Isaura Parente-Lamelas, Virginia Leiro-Fernandez, Jose Abal-Arca, Carmen Montero-Martínez, Carolina Pena-Alvarez, Olalla Castro-Anon, Antonio Golpe-Gomez, Cristina Martinez, Roxyris Guzman-Taveras, Maria Jose Mejuto-Martí, Marta Nuñez-Fernández, Alberto Fernandez-Villar, Juan Miguel Barros-Dios

PA4314 **Oncologic emergencies in patients monitored for lung cancer in the Bab-El-Oued University Hospital**
Souad Souilah (Alger, Algeria), Souad Souilah, Sihem Khodja, Nesrine Dermech, Nassima Djami, Rabah Amrane, Aziza Fissah

PA4315 **Smoking and lung cancer: Data from a single center in Greece**
Mina Gaga (Athens, Greece), Clementine Bostantzoglou, Iris Vlachantoni, Konstantinos Samitas, Theoplasti Grigoratou, Erasmia Economidou, Eleftherios Zervas, Lykourgos Kolilekas, Mina Gaga

Hall 14-35 Session 432 12:50 - 14:40

Thematic poster: Mediastinal tumors, malignant pleural mesothelioma and other rare tumors

Track(s) : Oncology

Chairs : Sotirios Zarogiannis (Larisa, Greece), Bogdan Dragos Grigoriu (Iasi, Romania), Konstantinos Samitas (Athens, Greece), Chair to be confirmed

PA4317 **Malignant pleural mesothelioma: Current status and future projections in Turkey**
A. Salih Emri (Ankara, Turkey), Ozge Yavuz, Salih Emri

PA4318 **Solitary fibrous tumors of the pleura a rare entity**
Kalliopi Athanassiadi (Athens, Greece), Kalliopi Athanassiadi, Dimitrios Soufleris, Irini Mavromati, Maria Mis, Stylianos Benakis, Theodore Argyrakos, Eleni Papagianni

PA4319 **Solitary fibrous tumour of the pleural: Two malignant cases**
Sarah Bigeni (Gozo, Malta), Sarah Bigeni, Joseph Galea, Cynthia Farrugia Jones

PA4320 **A case of a 3 thymoma arising from a "giant" mediastinal thymolipoma**
Georgia Karpathiou (Ioannina, Greece), Violaine Yvorel, Fabien Forest, Georgia Karpathiou, Marie-Laure Stachowicz, Olivier Tiffet, Abdulrazzaq Sulaiman, Eric Parietti, Michel Péoc'h

PA4321 **Differential diagnosis of space-occupying lesions of the posterior mediastinum**
Georgy Pakhomov (Tashkent, Uzbekistan), Georgy Pakhomov, Rustem Hayaliev, Otabek Eshonkhodjaev, Abror Makhmudov, Aziz Mustafaev

PA4322 **Thymic epithelial tumors: 10 years' experience of a Portuguese oncologic institute**
Madalena Sofia Antunes Reis (Paúl-Covilhã, Portugal), Madalena Reis, Teresa Almodôvar, José Duro da Costa

PA4323 **Spontaneous pneumomediastinum: A 10 years' experience of a pulmonology ward**
Patrícia Alexandra Vieira Dionísio (Oeiras, Portugal), Patrícia Dionísio, Luís Martins, Susana Moreira, Alda Manique, Isabel Correia, Cristina Bárbara

PA4324 **Malignant mesothelioma, are neutrophil/lymphocyte ratio and platelet/lymphocyte ratio prognostic indicator parameters as reliable?**
Seda Tural Önür (Istanbul, Turkey), Seda Tural Onur, Sinem Sokucu, Levent Dalar, Kaan Kara, Songul Buyukkale, Sedat Altin

PA4325 **Thoracentesis in the bilateral pleural effusion. Should we puncture both sides? Prospective study**
Lucia Ferreiro Fernandez (Santiago de Compostela, Spain), Lucía Ferreiro, María Esther San José, Francisco Gude, Adriana Lama, Juan Suárez-Antelo, Antonio Golpe, María Elena Toubes, Francico Javier González Barcala, José Manuel álvarez Dobaño, Luis Valdés

PA4326	**PET and endobronchial ultrasound. SUV value of mediastinal lymph nodes suspicious for malignancy** Juan Berto Botella (Pamplona (Navarra), Spain), Juan Bertó Botella, Esmeralda López Zalduendo, Jessica Gonzalez Gutierrez, Pablo Sánchez Salcedo, Pilar Rivera, Arantxa Campo, Ana Belen Alcaide, Juan Pablo De Torres, Diego Martínez Urbistondo, Javier Zulueta
PA4327	**Diagnostic values of inflammation biomarkers in pleural effusions (PE)** Regina Hasa (Tirana, Albania), Regina Hasa, Perlat Kapisyzi, Hasan Hafizi, Roland Hasa, Eritjan Tashi
PA4328	**Validation of the LENT score in Japanese sample: The impact of EGFR-TKI** Tamaki Takahashi (Kyoto, Japan), Tamaki Takahashi, Daisuke Naito, Yusuke Wakatsuki, Yuko Yamamoto, Yoko Hamakawa, Kazuki Shima, Yuichi Chihara, Kenichi Takahashi, Hiromichi Katakura, Naoki Sakai
PA4329	**A rare cause of cavitary lesion in the lung: Richter's transformation** Fatma Bodur Yildirim (Ankara, Turkey), Fatma Yildirim, Iskender Kara, Sedat Yildiz, Nalan Akyürek, Kadir Acar, Melda Türkoglu, Gülbin Aygencel
PA4330	**Medical thoracoscopic versus ultrasound guided transthoracic pleural needle biopsy in diagnosis of pleural lesions** Gehan Abo El-Magd (Tanta, Egypt), Ali M. Abdella, Gehan H. AboEl-Magd, Khaled A. Dewan, Dina A. Elgohary
PA4331	**Recurrent pleural effusion – An unusual diagnosis: A case report** Vinit Niranjane (Nagpur, India), Vinit Niranjane, Mitesh Dave
PA4332	**Case report: Primary pleural lymphoma presenting as a multiloculated lymphocytic exudative effusion in a lady** Jennifer Guan (Singapore, Singapore), Jennifer Huey Chen Guan, Mark Chih Hsiang Tien, Chuen Peng Lee, Kim Hoong Yap, John Abisheganaden
PA4333	**Outcomes of the management of malignant pleural effusions with talc poudrage or talc slurry following medical thoracoscopy** Ben Vlies (Liverpool, United Kingdom), Ben Vlies, Keir Pickard, Apollo Kwok, Biswajit Chakrabarti, Victoria Tippett, Seamus Grundy
PA4334	**Malignant mesothelioma in University Lung Clinic Sarajevo during 1998-2013** Aida Ustamujic (Sarajevo, Bosnia and Herzegovina), Aida Ustamujic, Vesna Cukic, Irma Sladic, Vladimir Lovre, Dina Dizdarevic-špago, Sadika Genjac
PA4335	**What outcome after pleurodesis in malignant pleural effusion in lung cancer?** Hanene Smadhi (Ariana, Tunisia), Hanen Smadhi, Aymen Ayari, Hela Kammoun, Islam Mejri, Hazem Zribi, Dorra Greb, Ines Akrout, Hela Hassan, Hajer Abdelghaffar, Leila Fekih, MLamine Megdiche

Hall 14-36 Session 433 12:50 - 14:40

Thematic poster: Malignant pleural effusions and mesothelioma

Track(s) : Oncology

Chairs : Dragos Bumbacea (Bucarest, Romania), Nick Maskell (Bristol, United Kingdom), Marios E. Froudarakis (Alexandroupolis, Greece), Arnaud Scherpereel (Lille, France)

PA4336	**LATE-BREAKING ABSTRACT: A proteomic study of benign and malignant pleural effusions** Hui Li Zhu (Shanghai, China), Huili Zhu, Hongqing Li, Zhonghao Tang, Haiyan Ge, Shilei Cui
PA4337	**Thoracoscopic management of malignant plural effusion, Assiut University Hospital, Egypt** Lamia Shaaban (Assiut, Egypt), Lamia Shaaban, Amany Omar, Raafat Elsokary, Mohamed Brakat, Fouzy Frahat
PA4338	**Comparison of 1 liter vs. 1.5 liter thoracentesis in the management of malignant pleural effusion** Khatereh Mousavi -Fatemi (Tehran, Islamic Republic of Iran), Khatereh Mousavi-Fatemi, Besharat Rahimi, Abbas Rahimi Foroushani, Hamidreza Abtahi, Seyyed Farshad Allameh, Soheil Peyman
PA4339	**Discordant exudates and their impact on Light's criteria accuracy to diagnose exudate effusions. The value of clinical presentation** Lucia Ferreiro Fernandez (Santiago de Compostela, Spain), Lucía Ferreiro, John T. Huggins, Rolando Sánchez Sánchez, Carlos E. Kummerfeldt, Luis Valdés, Steven A. Sahn
PA4340	**Drain, pain and no gain: Pitfalls when inserting intercostal chest drain (ICD)** Hussein Chreif (London, United Kingdom), Hussein Chreif, Hamid Aminy-Raouf, Burhan Khan
PA4341	**Efficacy of talc slurry pleurodesis in malignant pleural effusions** Pedro Ricardo da Silva Santos (Figueira da Foz, Portugal), Pedro Silva Santos, Maria Alcide Marques, Hugo Monteiro, Fátima Fradinho

PA4342	**Patient-related outcome measurements in pleural diseases** Ioannis Psallidas (Oxford, United Kingdom), Ioannis Psallidas, Talwar Ambika, John P. Corcoran, Eleanor K. Mishra, Rob J. Hallifax, John Wrightson, Najib M. Rahman
PA4343	**Effect of smoking on experimental malignant pleural effusion** Sophia Magkouta (Athens, Greece), Sophia Magkouta, Konstantinos Glynos, Apostolis Pappas, Andreas Papapetropoulos, Ioannis Kalomenidis
PA4344	**Explore opportunity for a "pleural procedure clinic" and review of pleural services** Muhammad Yousaf (Warrington, United Kingdom), Muhammad Yousaf, Erandi Barker, Joanna Heaton, Shameen Oliveira, Joanna Gallagher
PA4345	**Malignant pleural effusion (MPE) as debut of cancer** Ismael Ali Garcia (Madrid, Spain), Ismael Ali García, Beatriz Morales Chacón, Nuria Abad Santamaría, Maria Teresa Río Ramirez, María Isabel Verdugo Cartas, Raquel Pérez Rojo, Eva De Santiago Delgado, Yolanda Martínez Abad, Bárbara Steen, Mercedes Izquierdo Patrón, Rosario Melchor Iñiguez, José Ignacio De Granda Orive, María Beatriz Arias Arcos, Victoria Villena Garrido
PA4346	**Clinical nurse specialist led image guided pleural interventions – Is it safe?** Farinaz Noorzad (London, United Kingdom), Farinaz Noorzad, Liju Ahmed
PA4347	**Blood-staining of pleural fluid is an inaccurate predictor of pleural malignancy** Michael Mcgettrick (Glasgow, United Kingdom), Michael McGettrick, Selina Tsim, Kevin G. Blyth
PA4348	**Volume quantification of malignant pleural mesothelioma** Thomas Bronsveld (Hengelo, Netherlands), Thomas Bronsveld, Emanuel Citgez, Robin Bruggink, Onno Mennes, Frans De Jongh, Marjolein Brusse-Keizer, Hugo Schouwink
PA4349	**Hypertonicity increases apparent water permeability in benign mesothelial cells but differentially regulates it in epithelioid mesothelioma cells depending on the osmotic agent** Evgeniy Solenov (Novosibirsk, Russian Federation), Evgeniy Solenov, Lubov Katkova, Galina Baturina, Vassiliki Peppa, Chrissi Hatzoglou, Konstantinos Gourgoulianis, Sotirios Zarogiannis
PA4350	**Effects of hyper and hypo osmotic stress on pleural mesothelial cell adhesion and migration** Vasiliki Georgia Peppa (Larissa, Greece), Vassiliki Peppa, Evgeniy Solenov, Lubov Katkova, Galina Baturina, Paschalis Adam Molyvdas, Konstantinos Gourgoulianis, Chrissi Hatzoglou, Sotirios Zarogiannis
PA4351	**The role of aquaporin-1 (AQP1) and amiloride sensitive epithelial sodium (ENaC) in cell adhesion of mesothelioma cells is cell and extracellular matrix type dependent** Sotirios Zarogiannis (Larisa, Greece), Rajesh Jagirdar, Eleni Apostolidou, Paschalis Adam Molyvdas, Konstantinos Gourgoulianis, Chrissi Hatzoglou, Sotirios Zarogiannis
PA4352	**Survival analysis of pleural malignant mesothelioma (MM) at a single Institution in Liguria, Italy** Annamaria Carletti (Sarzana ISP), Italy), Anna Maria Carletti, Lucia Benfatto, Vanna Balestracci, Pier Aldo Canessa
PA4353	**Predictive parameters of survival in malignant pleural effusion** Paola Lucia Arrieta Narvaez (MADRID, Spain), Paola Lucía Arrieta Narváez, Esteban Pérez Rodríguez, Rosa Mariela Mirambeaux Villalona, Deisy Diana Barrios Barreto, Patricia Castro Acosta, Eva Mañas Baena
PA4354	**LSC Abstract – A requirement for mast cells in malignant pleural effusion** Anastasios Giannou (Patras, Greece), Anastasios D. Giannou, Antonia Marazioti, Magda Spella, Hara Apostolopoulou, Nikolaos I. Kanellakis, Ioannis Psallidas, Malamati Vreka, Dimitra E. Zazara, Ioannis Lilis, Theodora Agalioti, Georgios T. Stathopoulos

Hall 14-37 Session 434 12:50 - 14:40

Thematic poster: Emerging strategies for airway disease treatments

Chairs : Maria Gabriela Belvisi (London, United Kingdom), Xin Yao (Nanjing, China), Philip Hansbro (Callaghan, Australia), Kian Fan Chung (London, United Kingdom)

PA4355	**LATE-BREAKING ABSTRACT: Protective effects of surfactant protein D (SP-D) treatment in 1,3-ß-glucan-modulated allergic inflammation** Dalia Fakih (Odense, Denmark), Dalia Fakih, Bartosz Pilecki, Anders Schlosser, Christine Jepsen, Laura Thomsen, Jens Madsen, Howard Clark, Kenneth Barfod, Soren Hansen, Niels Marcussen, Rania Jounblat, Soulaima Chamat, Uffe Holmskov, Grith Sorensen
PA4356	**LATE-BREAKING ABSTRACT: T-cell membrane organization as a potential new target in asthma** Gilles Dufour (Wanze, Belgium), Gilles Dufour, Natacha Rocks, Audrey Duyckaerts, Catherine Gerard, Andreia Giro dos Santos, Fabienne Perin, Marie-Paule Mingeot-Leclercq, Brigitte Evrard, Didier Cataldo

PA4357	**LATE-BREAKING ABSTRACT: Aspergillus fumigatus specific IgE, but not total IgE or A. fumigatus specific IgG is associated with evidence of lung damage in asthma** Kerry Woolnough (Lichfield, United Kingdom), Kerry Woolnough, Catherine Pashley, Andrew Wardlaw
PA4358	**LATE-BREAKING ABSTRACT: IgE sensitisation to A. fumigatus is associated with fixed airflow obstruction independent of atopic status** Kerry Woolnough (Lichfield, United Kingdom), Kerry Woolnough, Catherine Pashley, Andrew Wardlaw
PA4359	**LATE-BREAKING ABSTRACT: Prevention of COPD exacerbation by lysozyme: A double-blind, randomized, placebo-controlled study** Masakazu Ichinose (Sendai, Japan), Masakazu Ichinose, Yoshinosuke Fukuchi, Koichiro Tatsumi, Hiromasa Inoue, Toshihisa Arai, Kai Shibata, Hideaki Miyagishi, Yukinori Sakata
PA4360	**LATE-BREAKING ABSTRACT: miR-877 and its target protein HDAC6 are involved in airway inflammation** Yongyao Cui (Shanghai, China), Haozhong Lu, Jianrong Xu, Zhihua Yu, Juan Li, Yu Qiu, Wenhui Zhang, Yongyao Cui
PA4361	**LATE-BREAKING ABSTRACT: Safety, pharmacokinetic and pharmacodynamic profile of RV1162, a narrow spectrum kinase inhibitor, in healthy subjects and COPD patients** Paul Russell (London, United Kingdom), Paul Russell, Chris Stevenson, Catherine Charron, Charlie Brindley, Dave Singh
PA4362	**LATE-BREAKING ABSTRACT: Tiotropium efficacy and exacerbation risk in patients with different blood eosinophil levels** Peter M.A. Calverley (Liverpool, United Kingdom), Peter Calverley, Christoph Hallmann, Norbert Metzdorf, Lars Grnke, Achim Mueller, David Halpin
PA4363	**LATE-BREAKING ABSTRACT: PT003, a novel co-suspension MDI glycopyrronium/formoterol fixed-dose combination is superior to monocomponents in patients with COPD** Klaus Friedrich Rabe (Grosshansdorf, Germany), Klaus Rabe, Fernando Martinez, Roberto Rodriguez-Roisin, Leonardo M. Fabbri, Gary T. Ferguson, Paul Jones, Stephen Rennard, Michael Golden, Patrick Darken, Chad Orevillo, Tracy Fischer, Colin Reisner
PA4364	**LATE-BREAKING ABSTRACT: Serum IL-13 is a peripheral biomarker for Type 2 asthma** Fang Cai (South San Francisco, United States of America), Fang Cai, David F. Choy, Jochen Brumm, Cecile Holweg, Alyssa Morimoto, Joseph R. Arron, John Matthews, Heleen Scheerens
PA4365	**LATE-BREAKING ABSTRACT: A Phase 1b study of PUR0200, a novel tiotropium formulation, in COPD patients** David Hava (Lexington, United States of America), David Hava, Katie Kane, Fred Reid, Arjun Ravi, Jo Collier, Tess Schmalbach, Dave Singh
PA4366	**LATE-BREAKING ABSTRACT: ENERGITO: Efficacy and safety of once-daily combined tiotropium + olodaterol versus twice-daily combined fluticasone propionate + salmeterol** Kai Michael Beeh (Wiesbaden, Germany), Kai-Michael Beeh, Eric Derom, Jose Echave-Sustaeta, Lars Groenke, Alan Hamilton, Dongmei Zhai, Leif Bjermer
PA4367	**LATE-BREAKING ABSTRACT: Novel inhaled ROR/c inhibitor for potential treatment of COPD** Srinivasa Honnegowda (Navi Mumbai, India), Srinivasa Honnegowda, Abraham Thomas, Sachin Chaudhari, Sanjib Das, Daisy Shah, Malini Bajpai, Indrani Sarkar, Abhay Kulkarni, Girish Gudi, Satyawan Jadhav, Neelima Khairatkar-Joshi
PA4368	**LATE-BREAKING ABSTRACT: Morin attenuates ovalbumin-induced airway inflammation by modulating oxidative stress-responsive MAPK signaling** Xiaoning Zeng (Nanjing, China), Xiaoning Zeng, Yuan Ma, Mao Huang
PA4369	**LATE-BREAKING ABSTRACT: Interleukin-33 augments rhinovirus-induced type 2 immune responses in people with asthma, but not in healthy donors** John Upham (Brisbane, Australia), John Upham, Megan Landgraf, Camilla Xi
PA4370	**LATE-BREAKING ABSTRACT: The effects of NKT cells on the different degrees of severity bronchial asthma in mice** Chuangli Hao (Suzhou, China), Fanfan Chi, Chuangli Hao
PA4371	**LATE-BREAKING ABSTRACT: Triptolide modulates the $CD4^+$ T cells balance in an allergic asthmatic mouse model** Ningfei Ji (Nanjing, China), Ningfei Ji, Wenjing Wang, Mingshun Zhang, Mao Huang
PA4372	**LATE-BREAKING ABSTRACT: The role of IL-17A in the pathogenesis of early infection with RSV increasing susceptibility to asthma** Zhijun Jie (Shanghai, China), Yanchao He, Wei Sun, Jindong Shi, Xiao Su, Zhijun Jie
PA4373	**LATE-BREAKING ABSTRACT: The study of fibulin-1 as a novel biomarker in bronchial asthma and its association to disease severity** Abeer Kassem (Alexandria, Egypt), Dalal El Giziry, Nermin Zakaria, Abeer Kassem, Mona Abdellatif

PA4374	**LATE-BREAKING ABSTRACT: Inhibition of MAP3K19 - A novel therapeutic approach for treatment of IPF** Stefen Boehme (San Diego, United States of America), Stefen Boehme, Tai Wei Ly, Kevin Bacon

Room 7.1 Session 435 13:00 - 14:30

Lunchtime session: e/mHealth, TB and tobacco control

followed by the launch of the ERS/WHO strategic document on e/mHealth for TB

Aims : To launch the WHO/ERS strategic document on e/mHealth and TB/tobacco control; to describe the activities that have been put in place and supported by the WHO/ERS joint agreement since 2014; and to discuss the state-of-the-evidence for e/mHealth and TB/tobacco control and the efforts being put in place to improve it.

Track(s) : Infection

Tag(s) : Clinical

Target audience : Experts in public health and health promotion, TB specialists, pulmonologists and primary care clinicians.

Chairs : Mario C. Raviglione (Geneva, Switzerland), Carlos Andres Jimenez Ruiz (Madrid, Spain)

13:00	**The WHO/ERS strategic document on e/mHealth and TB/tobacco control** Denis Falzon (Geneva, Switzerland)	**4375**
13:25	**Making mHealth more effective for patients and their carers** Caroline Free (London, United Kingdom)	**4376**
13:50	**Information, diagnostics and laboratories** Claudia Denkinger (Geneva, Switzerland)	**4377**
14:15	**Ceremony for the launch of the WHO/ERS strategic document on e/mHealth for tuberculosis**	**4378**

Room 4.2 Session 437 13:00 - 14:30

Lunchtime session: Interplay of myeloid and epithelial cells in infectious diseases

Highlights from the 2015 Lung Science Conference

Aims : To discuss the complex mechanisms by which environmental particles and infectious agents (bacteria and viruses) cause disease and the innate immune mechanisms by which epithelial cells, macrophages and neutrophils protect from disease.

Tag(s) : Translational

Target audience : Clinicians, clinical scientists, scientists and allied health care workers with an interest in environmental particles and infectious diseases exposure.

Chairs : Bruno Crestani (Paris, France), Dominik Hartl (Tübingen, Germany), Jean-Michel Sallenave (Paris, France)

13:00	**Epithelial regulation of airway macrophages in health and disease** Tracy Hussell (Manchester, United Kingdom)	**4387**
13:30	**Macrophage-released TNF-related apoptosis-inducing ligand (TRAIL) impairs alveolar fluid clearance in influenza A virus infection** Christin Becker (Giessen, Germany)	**4388**
14:00	**Exposure to nanoparticles modulates lung infections** Ignacio Garcia-Verdugo (Paris, France)	**4389**

Room 5.2 Session 438 13:00 - 14:30

Lunchtime session: Advances in pneumonia management, COPD therapy and lung nodule evaluation

Joint ERS/JAMA session

Aims : The audience will learn about the usefulness of systemic corticosteroid therapy for severe community-acquired pneumonia; the risks and benefits of treating older patients with COPD with combined long-acting bronchodilators and inhaled corticosteroid therapy versus long-acting bronchodilator alone; and the roles and limitations of FDG-PET scanning for evaluating pulmonary nodules that are suspicious for lung cancer.

Tag(s) : Clinical

Target audience : Clinicians and clinical researchers.

Chairs : George O'Connor (Boston, United States of America), Guy Brusselle (Ghent, Belgium)

13:00	**Systemic corticosteroid for treating severe community-acquired pneumonia** Antoni Torres Marti (Barcelona, Spain)	**4390**

13:30	**Inhaled corticosteroid combined with long-acting bronchodilator versus long-acting bronchodilator alone for older patients with COPD** Peter M.A. Calverley (Liverpool, United Kingdom)	4391
14:00	**The role of FDG-PET scanning in the diagnosis of pulmonary nodules suspicious for lung cancer** Eric Grogan (Nashville, United States of America)	4392

Room Elicium 1 Session 439 13:00 - 14:30

Lunchtime session: Evolution of medical journals

Perspectives from the ERS and ATS

Aims : To describe how medical journals are evolving and the new initiatives in the field.

Target audience : Clinicians, scientists, other healthcare professionals and anyone involved in medical publications.

Chairs : Oliver Eickelberg (Munich, Germany), Wisia Wedzicha (London, United Kingdom)

13:00	**Advantages of "journal families": experience from ATS** Wisia Wedzicha (London, United Kingdom)	4393
13:20	**Publications in critical care** Laurent Brochard (Toronto, Canada)	4394
13:40	**Respiratory highlights in AJRCCM** Fernando J. Martinez (Ann Arbor, United States of America)	4395
14:00	**Involving early-career researchers in editorial work** Alexander Mackay (London, United Kingdom)	4396

Room G102-103 Session 440 13:00 - 14:00

Patient forum: ELF/ERS session: Improving adherence and outcomes in pulmonary rehabilitation

Aims : This forum will explore how professionals can improve their healthcare outcomes by incorporating the patient's experience. This session will discuss the barriers that can arise when referring patients to enrol and complete a programme of pulmonary rehabilitation in primary and tertiary care settings. This interactive session, which will be led by a patient and a professional, will demonstrate how open professional-patient dialogue can help improve the practical problems experienced by patients receiving treatment.

Target audience : Pulmonologists, respiratory therapists, respiratory physicians, clinical researchers, general practitioners, research fellows, basic scientists, paediatricians, nurses, trainees and allied health professionals.

Chairs : Frits M.E. Franssen (Horn, Netherlands), Dan Smyth (Dundalk, Ireland)

13:00	**Barriers to and facilitators of pulmonary rehabilitation** Martijn A. Spruit (Horn, Netherlands)	4397
13:15	**Pulmonary rehabilitation in the primary care setting** Frederik van Gemert (Harlingen, Netherlands), Cornelis Van Hecken (Amsterdam, Netherlands)	4398
13:30	**Pulmonary rehabilitation in the tertiary care setting** Frits M.E. Franssen (Horn, Netherlands), Jos Donkers (Amsterdam, Netherlands)	4399
13:45	**Discussion and closing** Dan Smyth (Dundalk, Ireland)	4400

Room D201-202 Session 446 13:15 - 14:30

Lunchtime session: Innovation in respiratory care: ERS Product of Outstanding Interest (POINT) award

Chairs : Brendan Cooper (Birmingham, United Kingdom)

13:15	**Introduction to medical devices** Brendan Cooper (Birmingham, United Kingdom)	4409

13:33	**Top tips for entrepreneurs** Vivienne Parry (Oxon, United Kingdom)	4410
14:00	**So you want to launch a new medical device?** Vivienne Parry (Oxon, United Kingdom)	4411
14:20	**POINT Awards** Brendan Cooper (Birmingham, United Kingdom), Vivienne Parry (Oxon, United Kingdom)	4412

Room 7.1 Session 451 14:45 - 16:45

Hot topics: Pandemics and emerging infections

PREPARE FP7 EU-funded project

Aims : This session will provide an update on global planning; the management of existing pandemics and the evolving lessons that have been learnt; and how to facilitate care and promote public health messages in future major infectious disease outbreaks and pandemics.

Track(s) : Infection

Tag(s) : Translational

Target audience : Respiratory physicians, intensivists, microbiologists, allied health professionals, scientists, primary care and public health teams.

Chairs : Gernot G.U. Rohde (Maastricht, Netherlands), Anita Simonds (London, United Kingdom)

14:45	**Global capacity and responses to pandemics** Speaker to be confirmed	4429
15:15	**Ebola: progress with vaccines** Sarah Gilbert (Oxford, United Kingdom)	4430
15:45	**Translational medicine lessons from H1N1** Pasi Penttinen (Stockholm, Sweden)	4431
16:15	**Behaviour change and communication in pandemics: key elements in breaking bad news** Randall N. Hyer (Stevensville, United States of America)	4432

Room 7.2 Session 453 14:45 - 16:45

Symposium: Sleep-disordered breathing

Beyond OSAS

Aims : To provide up-to-date insights into sleep and obstructive sleep apnoea syndrome (OSAS) in the intensive care unit (ICU); ventilatory treatment in obesity hypoventilation syndrome (OHS) (the results of a recent randomised controlled trial will be presented); perioperative sleep disturbances; and sleep-related disorders in the paediatric setting that require evaluation and ventilatory treatment.

Track(s) : Sleep

Tag(s) : Clinical

Target audience : Pulmonologists, intensivists, sleep physicians respiratory therapists, paediatricians, and surgeons.

Chairs : Stylianos Orfanos (Athens, Greece), Wilfried De Backer (Edegem (Antwerp), Belgium)

14:45	**Sleep disturbances in critically ill patients** Francesco Fanfulla (Pavia, Italy)	4442
15:15	**OSAS in the perioperative period** Cesare Gregoretti (Turin, Italy)	4443
15:45	**Efficacy of CPAP and NIV in long term treatment of OHS: the results of the Spanish multicentre randomised trial "Pickwicks"** Juan Fernando Masa Jiménez (Cáceres, Spain)	4444
16:15	**CPAP/NIV in paediatric patients with sleep disturbances** Brigitte Fauroux (Paris, France)	4445

Room Elicium 2 Session 454 14:45 - 16:45

Symposium: Stop immune tolerance in lung cancer!

Aims : To update oncologists, pulmonologists, and thoracic surgeons regarding the new lung cancer treatment options as well as immunologists, pathologists, and researchers on the immune mechanisms in lung cancer, new research directions, and the methods that are used in practice to evaluate the anti-cancer responses and immune status of cancer patients.

Track(s) : Oncology

Tag(s) : Translational

Target audience : Oncologists, pulmonologists, thoracic surgeons, immunologists, pathologists, and researchers who are interested in the practical applications of immunotherapy and evaluation of immune status before treatment.

Chairs : Philipp A. Schnabel (Homburg/Saar, Germany), Arnaud Scherpereel (Lille, France)

14:45	**How to define the immune status of lung cancer patient** Joanna Domagala-Kulawik (Warsaw, Poland)	**4446**
15:15	**Reversing the suppression of T-cells: the role of monoclonal antibodies** Joachim Aerts (Rotterdam, Netherlands)	**4447**
15:45	**A novel approach to anti-cancer vaccines** Thomas Wehler (Homburg/Saar, Germany), Speaker to be confirmed	**4448**
16:15	**Chemotherapy triggered crosstalk between tumor and immune cells** Yuting Ma (Paris, France)	**4449**

Room 4.2 Session 455 14:45 - 16:45

Symposium: The next generation of lung function tests

Looking into a breath: exhaled biomarkers

Aims : To provide an overview of the development and possibilities of breath analysis tests, the new technologies that are available (monitoring VOCs in asthma and COPD during the daily lung function routine), the roles that FeNO and exhaled breath temperature play among the other lung function tests and how these new techniques will be integrated practically into the existing technology.

Track(s) : Physiology

Tag(s) : Clinical

Target audience : Clinicians, nurses, respiratory function technologists, scientists, and physiologists.

Chairs : Peter Sterk (Amsterdam, Netherlands), Waldemar Tomalak (Rabka-Zdroj, Poland)

14:45	**Origin and development of measuring exhaled breath** Stephen James Fowler (Preston, United Kingdom)	**4450**
15:15	**When will exhaled biomarkers influence diagnosis and follow-up of patients with respiratory disease?** Ildikó Horváth (Budapest, Hungary)	**4451**
15:45	**Integrating monitoring of volatile organic compounds (VOCs) in asthma and COPD into the routine lung function** Niki Fens (Amsterdam, Netherlands)	**4452**
16:15	**Back to the future: integrating breath analysis in lung function equipment** Paolo Paredi (London, United Kingdom)	**4453**

Room 5.2 Session 456 14:45 - 16:45

Session: Healthy lungs for life

Why taking the active option is essential for lung health

Aims : To describe the concerns and issues faced by patients who find physical activity difficult and how these issues can be addressed, review the current evidence on the direct links between physical activity and lung health, describe the public health problem that is physical inactivity and its impact and discuss how taking the active option can be promoted in areas where air quality is problematic.

Track(s) : Epidemiology/Environment

Tag(s) : Healthy Lungs for Life (HLfL)

Target audience : All healthcare professionals who are interested in the link between physical activity and lung health, especially those who must advise their patients about the importance of physical activity in general and encourage their patients with respiratory conditions to become active.

Chairs : Thierry Troosters (Leuven, Belgium), Dan Smyth (Dundalk, Ireland)

14:45	**Why taking the active option is essential for lung health** Matthew Cullen (Dublin, Ireland)	**4454**
15:00	**The interaction between physical activity and lung health: the Copenhagen experience** Judith Garcia Aymerich (Barcelona, Spain)	**4455**

15:25	**Is physical inactivity as bad as smoking?** Speaker to be confirmed	**4456**
15:50	**Is physical inactivity as bad as smoking?** Henriette Smit (Utrecht, Netherlands)	**4457**
16:15	**How healthy is physical activity when there is no clean air to breathe?** Patrick De Boever (Antwerp, Belgium)	**4458**

Room Elicium 1 Session 457 14:45 - 16:45

Hot topics: Regenerative medicine of the lung: opportunities and threats

Aims : Chronic lung diseases, including COPD, IPF and others, are characterized by loss of lung function. This loss associates with a defective tissue repair response that results in tissue destruction and/or remodelling. The defective tissue repair cannot be modified by current pharmacological or non-pharmacological treatment. To develop therapies that restore normal tissue repair in the lung, it is necessary to gain insights into the mechanisms that regulate repair and the origins of the defective tissue repair response in disease. In this symposium, the mechanisms of tissue repair in and outside the lung, including stem cell activation and renewal, will be discussed. Moreover, therapeutic possibilities that are based on stem and progenitor cell transplantation and activation will be discussed. These therapeutic possibilities include bioscaffolds that can facilitate tissue growth and repair. At the end of the symposium, the audience will understand: the mechanisms behind tissue repair and the role of endogenous stem and progenitor cell populations in repair; how stem and progenitor cells (e.g., iPS cells and macrophage progenitors) can be used for therapeutic purposes in the lung; and how bioscaffolds can facilitate tissue repair, either alone or in combination with exogenous stem or progenitor cell transplantation.

Tag(s) : Basic

Target audience : This session will be of interest to basic scientists, and clinicians and everyone who has an interest in regenerative medicine of the lung.

Chairs : Melanie Koenigshoff (Munich, Germany), Reinoud Gosens (Groningen, Netherlands)

14:45	**Alveolar progenitor cells: Ready for endogenous lung regeneration** Darryl Knight (Callaghan, Australia)	**4459**
15:15	**Modelling human lung development and disease using pluripotent stem cells** Hans-Willem Snoeck (New York, United States of America)	**4460**
15:45	**The lung-from-the-lab approach: recent advances in tissue-engineering scaffolds** Darcy Wagner (Munich, Germany)	**4461**
16:15	**Pulmonary transplantation of macrophage progenitors: a novel therapeutic opportunity?** Gesine Hansen (Hannover, Germany)	**4462**

Room Forum Session 458 14:45 - 16:45

Oral presentation: Novel mechanisms and treatments in allergy and asthma

Chairs : Lena Uller (Lund, Sweden), Hans Jürgen Heinrich Hoffmann (Aarhus, Denmark)

OA4463	**Many obese individuals experience wheezing, rather than asthma. A Mendelian randomization study of 86,019 adults** Yunus Çolak (Helsingør, Denmark), Yunus çolak, Shoaib Afzal, Peter Lange, Børge Nordestgaard	
OA4464	**First clinical trial of a new IgE-adsorber in allergic asthma** Christian Lupinek (Vienna, Austria), Christian Lupinek, Kurt Derfler, Silvia Lee, Thomas Prikoszovich, Oliver Movadat, Eva Wollmann, Ventzislav Petkov, Volker Schoder, Rene Cervenka, Thomas Plaichner, Gottfried Stegfellner, Hans Huber, Rainer Henning, Justyna Kozik-Jaromin, Adelheid Gauly, Hans Peter Leinenbach, Ingrid Uhlenbusch-Koerwer, Rudolf Valenta	
OA4465	**Prostaglandin E_2 prevents mast cell dependent bronchoconstrictrion via the EP_2 receptor in human small airways** Jesper Säfholm (Stockholm, Sweden), Jesper Säfholm, Martijn Manson, Johan Bood, Ingrid Delin, Ann-Charlotta Orre, Per Bergman, Mamdoh Al-Ameri, Sven-Erik Dahlén, Mikael Adner	
OA4466	**Innate lymphoid cells are proportionally higher in children with atopy** Chris Grime (London, United Kingdom), Christopher Grime, Prasad Nagakumar, Hue-ling Tan, Mark Rosenthal, Sejal Saglani, Clare Lloyd	
OA4467	**Peripheral blood Th9 cells and IL-9 level in asthma patients with early and dual asthmatic response** Deimante Hoppenot (Utena, Lithuania), Deimante Hoppenot, Kestutis Malakauskas, Simona Lavinskiene, Raimundas Sakalauskas	
OA4468	**The dynamic change of IL-25 and its receptor expression during allergen challenge in asthmatic subjects** Wei Tang (Shanghai , China), Wei Tang, Steven Smith, Paul O'Byrne, Roma Sehmi	

OA4469	**Changes in pollen sensitization over last twenty years in Tunisia** Ferdaous Yangui (Tunis, Tunisia), Ferdaous Yangui, Hend Khouani, Maher Abouda, Rimeh Ayayri, Mariem Triki, Samia Sellami, Emna Guermazi, Mohamed Ridha Charfi
OA4470	**Eosinophils attenuate parainfluenza virus infection through nitric oxide** Matthew Drake (Portland, United States of America), Matthew Drake, Elizabeth Bivins-Smith, Becky Proskocil, Zhenying Nie, Jamie Lee, Nancy Lee, Allison Fryer, David Jacoby

Room 5.1 Session 459 14:45 - 16:45

Oral presentation: Acute critical care: mechanical ventilation: how to limit the damage

Chairs : Marcus Schultz (Amsterdam, Netherlands), Chair to be confirmed

OA4471	**LATE-BREAKING ABSTRACT: Human mesenchymal stem cell exosomes attenuates sepsis-induced acute lung injury via inhibition of oxidative stress and the MAPK-NF-?B pathway** Jie Chen (Beijing, China), Jie Chen, Liangan Chen
OA4472	**Assessing regional PEEP-related airway opening and dilatation in ARDS patients** Tom Schepens (Kontich, Belgium), Tom Schepens, Cedric Van Holsbeke, Wim Vos, Jan De Backer, Paul Parizel, Wilfired De Backer, Jean-Jacques Rouby, Phillipe G. Jorens
OA4473	**Risk factors and prognostic impact of patient-ventilator asynchrony in mechanically ventilated patients. A prospective study** Camille Rolland (Paris, France), Camille Rolland-Debord, Côme Bureau, Marc Clavel, Sebastien Perbet, Nicolas Terzi, Achille Kouatchet, Thomas Similowski, Alexandre Demoule
OA4474	**Effects of veno-venous extracorporeal CO2 removal on pulmonary hypertension in an ARDS model** Julien Guiot (Liège, Belgium), Philippe Morimont, Julien Guiot, Thomas Desaive, Jean-Olivier Defraigne, Bernard Lambermont
OA4475	**Measurements of regional strain and time constants in ex-vivo animal models at different PEEP levels using functional respiratory imaging (FRI)** Francisca Ferreira (Kontich, Belgium), Francisca Ferreira, W.R. Henderson, Cedric Van Holsbeke, Wim Vos, Jan De Backer, Yannick Molgat-Seon, Miranda Kirby, Paolo Dominelli, Donald Griesdale, MyPinder Sekhon, Harvey Coxson, John Mayo, William Sheel
OA4476	**Risk factors and prognostic impact of decreased breathing variability in mechanically ventilated patients. A prospective study** Camille Rolland (Paris, France), Camille Rolland-Debord, Côme Bureau, Marc Clavel, Sebastien Perbet, Nicolas Terzi, Achille Kouatchet, Thomas Similowski, Alexandre Demoule
OA4477	**Risk factor and prognosis of ventilator-associated event** Jae Kyeom Sim (Seoul, Republic of Korea), Jae Kyeom Sim, Jee Youn Oh, Kyung Hoon Min, Gyu Young Hur, Sung Yong Lee, Jae Jeong Shim, Kyung Ho Kang
OA4478	**Assisted ventilation in patients with acute respiratory distress syndrome: Lung-distending pressure and patient-ventilator Interaction** Jonne Doorduin (Nijmegen, Netherlands), Jonne Doorduin, Christer Sinderby, Jennifer Beck, Johannes Van der Hoeven, Leo Heunks

Room 13.1 Session 460 14:45 - 16:45

Oral presentation: Any news from the asthma field?

Chairs : Gilles Garcia (Le Kremlin Bicètre, France), Florence Schleich (Liège, Belgium)

OA4479	**What is important to people with asthma: Maximising research impact?** Sarah Masefield (Sheffield, United Kingdom), Sarah Masefield, Leanne Metcalf, Pippa Powell, Erika Kennington, Carine Lewis, Samantha Walker
OA4480	**The role of dysfunctional breathing in asthma control** Sandra Veidal (Copenhagen, Denmark), Sandra Veidal, Asger Sverrild, Vibeke Backer, Celeste Porsbjerg
OA4481	**Detecting specific clusters of asthma and COPD patients using fluctuation based clustering of daily lung function recordings in the BIOAIR study** Delphine Girard (Bern, Switzerland), Delphine Girard, Edgar Delgado, Maciej Kupczyk, Sven-Erik Dahlén, Urs Frey, On Behalf of the BIOAIR and ChAMP Consortia
OA4482	**The use and abuse of steroids in asthma action plans** Tow Keang Lim (Singapore, Singapore), T.K. Lim, Nora Said, C.C. Gan, S.Y. Lee

OA4483 **Impact of alexithymia on asthma managment**
Samira Aouadi (Arina, Tunisia), Samira Aouadi, Dorra Bejar, Houda Gahrsalli, Islem Bel Haj Khalifa, Manel Guermani, Faten Ellouze, Sonia Maâlej, Leila Douik el Gharbi

OA4484 **Yield of a mannitol bronchial provocation test (BPT) for the diagnosis of asthma in a real-life study**
Jose Anibal Diaz Tantalean (Barcelona, Spain), José Aníbal Díaz-Tantaleán, Alexa Nuñez-Dubón, Iñigo Ojanguren, María Jesús Cruz, Xavier Muñoz

OA4485 **Epidemiology of clinical trials in respiratory diseases in Europe and Italy**
Roberta Bodini (Verona, Italy), Roberta Bodini, Pierachille Santus, Fabiano Di Marco, Stefano Aliberti, Stefano Centanni, Francesco Blasi, Andrea Rizzi, Giuseppe Recchia

OA4486 **Role of changes of airway patency and lung inflation in predicting the asthma control achievement**
Ilin Andrei (Blagoveschensk, Russian Federation), Andrey V. Il'in, Juliy M. Perelman, Anna G. Prikhodko, Anatoliy V. Lenshin, Victor P. Kolosov

Room 2.1 Session 461 14:45 - 16:45

Oral presentation: New frontiers in the management of interstitial and orphan lung diseases

Chairs : Philippe Camus (Dijon, France), Alfredo Chetta (Parma, Italy)

OA4487 **LATE-BREAKING ABSTRACT: The heterogeneity of systemic inflammation in bronchiectasis**
John R Hurst (London, United Kingdom), A. Saleh, J. Chalmers, A. de Soyza, T. Fardon, S. Koustas, J. Scott, J. Simpson, J. Brown, J. Hurst

OA4488 **Differences in FVC decline by extent of emphysema in patients with combined pulmonary fibrosis and emphysema (CPFE) syndrome**
Vincent Cottin (Lyon, France), Vincent Cottin, David M. Hansell, Nicola Sverzellati, Derek Weycker, Katerina M. Antoniou, Mark Atwood, Gerry Oster, Frank Weber, Klaus-Uwe Kirchgaessler, Harold R. Collard, Athol U. Wells

OA4489 **Safety and tolerability of pirfenidone (PFD) in patients with systemic sclerosis-associated interstitial lung disease (SSc-ILD)–The LOTUSS study**
Dinesh Khanna (Ann Arbor, United States of America), Dinesh Khanna, Carlo Albera, Aryeh Fischer, James Seibold, Ganesh Raghu, Nader Khalidi, Lorinda Chung, Elena Schiopu, Dan Chen, Eduard Gorina

OA4490 **Effect of pirfenidone on treatment-emergent (TE) all-cause mortality (ACM) in patients with idiopathic pulmonary fibrosis (IPF): Pooled data analysis from ASCEND and CAPACITY**
Steven Nathan (Falls Church, United States of America), Steven D. Nathan, Carlo Albera, Williamson Z. Bradford, Ulrich Costabel, Roland M. du Bois, Elizabeth A. Fagan, Ian Glaspole, Marilyn K. Glassberg, David Kardatzke, Talmadge E. King Jr., Klaus-Uwe Kirchgaessler, Lisa H. Lancaster, David J. Lederer, Carlos A. Pereira, Jeffrey J. Swigris, Dominique Valeyre, Paul W. Noble

OA4491 **Benefit of continued pirfenidone treatment following hospitalisation within the first 6 months of therapy—Ad hoc analysis from three phase 3 trials in patients with idiopathic pulmonary fibrosis (IPF)**
Steven Nathan (Falls Church, United States of America), Steven Nathan, Carlo Albera, Williamson Bradford, Ulrich Costabel, Roland Du Bois, Elizabeth Fagan, Robert Fishman, Ian Glaspole, Marilyn Glassberg, Kenneth Glasscock, Lisa Lancaster, David Lederer, Zhengning Lin, Carlos Pereira, Jeffrey Swigris, Dominique Valeyre, Paul Noble, Athol Wells

OA4492 **Long-term evolution of individuals with alpha1 antitrypsin deficiency from the Spanish registry**
Esquinas Esquinas Lopez (Lleida, Spain), Cristina Esquinas, Sonia Serreri, Miriam Barrecheguren, Beatriz Lara, Esther Rodriguez, Pietro Pirina, Ignacio Blanco, Marc Miravitlles

OA4493 **Health-related quality of life in patients with alpha-1 antitrypsin deficiency**
Ana Margarida Redondo (Porto, Portugal), Margarida Torres Redondo, Elsa Campoa, Sandra Saganha, Maria Sucena

OA4494 **Clinical characteristics and follow up in adult patients with primary ciliary dyskinesia**
Justine Frija-Masson (Paris, France), Justine Frija-Masson, Laurence Bassinet, Isabelle Honore, Nadine Desmazes-Dufeu, Bruno Housset, André Coste, Estelle Escudier, Pierre-Régis Burgel, Bernard Maître

Room 4.1 Session 462 14:45 - 16:45

Oral presentation: Treatment of IPF

Chairs : Athol Wells (London, United Kingdom), Luca Richeldi (Southampton, United Kingdom)

OA4495 **Interim analysis of nintedanib in an open-label extension of the INPULSIS® trials (INPULSIS®-ON)**
Bruno Crestani (Paris, France), Bruno Crestani, Takashi Ogura, Katy Pelling, Carl Coeck, Manuel Quaresma, Michael Kreuter, Mitchell Kaye

OA4496	**LSC Abstract – Inhibition of oxygen sensing HIF prolyl hydroxylases in humans presents a novel therapeutic target for the fibrotic lung** Benjamin Scally (Edinburgh, United Kingdom), Benjamin Scally, Andreas Alber, Sarah Howie, Nik Hirani
OA4497	**Clinical efficacy of pirfenidone in patients with severe fibrosing interstitial pneumonia** Minoru Inomata (Tokyo, Japan), Minoru Inomata, Yukiko Miura, Nariaki Kokuho, Hiroki Hayashi, Takahito Nei, Koichiro Kamio, Kazue Fujita, Yoshinobu Saito, Akihiko Gemma, Takefumi Saito, Arata Azuma
OA4498	**Effect of baseline corticosteroid medication on reduction in FVC decline with nintedanib** Vincent Cottin (Lyon, France), Vincent Cottin, Huiping Li, Fabrizio Luppi, Florence Le Maulf, Rozsa Schlenker-Herceg, Susanne Stowasser, Roland M. Du Bois
OA4499	**Effect of baseline FVC on lung function decline with nintedanib in patients with IPF** Toby Maher (St. Albans, Hertfordshire, United Kingdom), Toby M. Maher, Kevin R. Flaherty, Paul W. Noble, Carlo Vancheri, Wim A. Wuyts, Toshio Kimura, Christoph Hallmann, Susanne Stowasser, Luca Richeldi
OA4500	**Pirfenidone post-authorization safety registry (PASSPORT) update** Vincent Cottin (Lyon, France), Vincent Cottin, Toby M. Maher, Arata Azuma, Lesley Groves, Philip Hormel, Magnus Sköld, Sara Tomassetti, Dirk Koschel
OA4501	**Generalisability of recent clinical trials in idiopathic pulmonary fibrosis to everyday clinical practice** Lisa Nicol (Tillicoultry, United Kingdom), Lisa Nicol, Pauline McFarlane, Catriona Graham, David McAllister, William Wallace, Gareth Stewart, Sarah Howie, John Murchison, Nik Hirani
OA4502	**Effect of anti-acid medication on reduction in FVC decline with nintedanib** Ganesh Raghu (Seattle, United States of America), Ganesh Raghu, Bruno Crestani, Zelie Bailes, Rozsa Schlenker-Herceg, Ulrich Costabel

Room E104-106 Session 463 14:45 - 16:45

Poster discussion: Highlights in paediatric epidemiology: air pollution, asthma and primary ciliary dyskinesia

Chairs : Claudia Kuehni (Bern, Switzerland), Franca Rusconi (Florence, Italy)

PA4503	**Indoor room nitric oxide and alveolar nitric oxide in the Southern California children's health study** Sandrah Eckel (Los Angeles, United States of America), Sandrah Eckel, Zilu Zhang, Edward Rappaport, Rima Habre, William Linn, Kiros Berhane, Bastain Theresa, Zhang Yue, Gilliland Frank
PA4504	**The association of particulate matter air pollution with exercise-induced bronchospasm** Mohammadreza Modaresi (Tehran, Islamic Republic of Iran), Mohammadreza Modaresi, Roya Kelishadi, Akram Amiri, Akbar Amiri, Zahra Aryan, Babak Amra, Jamal Faghihinia
PA4505	**Air pollution and bronchiolitis from 2004 to 2014 in Rome** Melania Evangelisti (Civita Castellana, Italy), Melania Evangelisti, Giulia Cangiano, Raffaella Nenna, Ambra Nicolai, Antonella Frassanito, Stefano Papasso, Claudia Alessandroni, Chiara Di Mario, Valeria Zambonini, Greta Di Mattia, Corrado Moretto, Fabio Midulla
PA4506	**Traffic proximity and lung function. A case-control study in asthmatic children** Giuliana Ferrante (Palermo, Italy), Ferrante Mauro, Ranzi Andrea, Tommaso Giulia, Lauriola Paolo, De Cantis Stefano, Cilluffo Giovanna, Antona Roberta, Ferrante Giuliana, Malizia Velia, Montalbano Laura, La Grutta Stefania
PA4507	**Relationships between school indoor toluene and respiratory symptoms in Italian children** Marzia Simoni (Pisa, Italy), Marzia Simoni, Sandra Baldacci, Mario Canciani, Carlo Pini, Luigia Maria Brunetti, Luciana Indinnimeo, Paolo Carrer, Annibale Biggeri, Piersante Sestini, Giovanni Viegi, Sara Maio, Sonia Cerrai, Giuseppe Sarno
PA4508	**Lung function and respiratory symptoms in children from an electronic waste recycling area in China** Xiang Zeng (Groningen, Netherlands), Xiang Zeng, Xijin Xu, H. Marike Boezen, Judith M. Vonk, Xinye Zhou, Fangfang Lu, Xia Huo
PA4509	**Lower probability of FEV_1 improvement in asthmatic children exposed to passive smoke** Giovanna Cilluffo (Palermo, Italy), Giovanna Cilluffo, Salvatore Fasola, Laura Montalbano, Velia Malizia, Giuliana Ferrante, Roberta Antona, Stefania La Grutta
PA4510	**Indoor air pollution and tobacco smoke exposure in an African birth cohort study** Aneesa Vanker (Cape Town, South Africa), Aneesa Vanker, Whitney Barnett, Polite M. Nduru, Kirsty Brittain, Robert P. Gie, Heather J. Zar
PA4511	**Predicting asthma exacerbations in children – A real life observational study** Stephen Turner (Aberdeen, United Kingdom), Steve Turner, Annie Burden, Mike Thomas, Clare Murray, David Price

PA4512 **Causal relationships between infections and asthma throughout childhood: A path analysis approach**
Alban Ramette (Bern, Switzerland), Alban Ramette, Ben Spycher, Caroline Beardsmore, Claudia Kuehni

PA4513 **Systematic review of childhood asthma prediction models**
Mariona Pinart (Barcelona, Spain), Mariona Pinart, Henriette A. Smit, Thomas Keil, Jean Bousquet, Josep M. Antó, Karin C. Lødrup-Carlsen

PA4514 **VAS and PAQLQ association with level of asthma control by using C-ACT**
Laura Montalbano (Palermo, Italy), Laura Montalbano, Giovanna Cilluffo, Velia Malizia, Giuliana Ferrante, Roberta Antona, Stefania La Grutta

PA4515 **Asthma control, severity and lung function impairment through network analysis in children**
Antonino Abbruzzo (Sciacca, Italy), Antonio Abbruzzo, Giovanna Cilluffo, Laura Montalbano, Velia Malizia, Giuliana Ferrante, Roberta Antona, Stefania La Grutta

PA4516 **Diagnostic accuracy of nasal nitric oxide measurement for establishing diagnosis of primary ciliary dyskinesia: A systematic review and meta-analysis**
Panayiotis Kouis (Nicosia, Cyprus), Panayiotis Kouis, Stefania Papatheodorou, Panayiotis Yiallouros

PA4517 **The accuracy of nasal nitric oxide testing in PCD diagnostics is population specific**
Samuel Collins (Christchurch, United Kingdom), Samuel Collins, Laura Behan, Hazel Evans, Patricia Goggin, Amanda-Lea Harris, Claire Jackson, Samantha Packham, Woolf Walker, Jane Lucas

PA4518 **Lung function of patients with primary ciliary dyskinesia: A systematic review**
Myrofora Goutaki (Bern, Switzerland), Myrofora Goutaki, Anu Jose, Bettina Meier, Elisabeth Maurer, Florian Halbeisen, Philipp Latzin, Claudia Kuehni

PA4519 **Primary ciliary dyskinesia: Diagnostic and phenotypic features in an Italian population**
Deborah Snijders (Ponzano Veneto, Italy), Deborah Snijders, Massimo Pifferi, Giovanni A. Rossi, Angelo Barbato, Gruppo PCD-Italia

PA4520 **Diagnosing primary ciliary dyskinesia; the patient perspective**
Laura Behan (Cork, Ireland), Laura Behan, Audrey Dunn Galvin, Sarah Masefield, Fiona Copeland, Michele Manion, Bernhard Rindlisbacher, Beatrice Redfern, Jane S. Lucas

Room G102-103 Session 464 14:45 - 16:45

Poster discussion: Biomarkers in TB: immunology and physiology

Chairs : Lorenzo Guglielmetti (Paris, France), Marc Lipman (London, United Kingdom)

PA4521 **Significance of interferon gamma-inducible chemokines in pleural effusions**
Yun-jung Jung (Suwon, Republic of Korea), Yun Jung Jung, Wou Young Chung, Keu Sung Lee, Seung Soo Sheen, Joo Hun Park, Kwang Joo Park

PA4522 **Nitric oxide activity in tuberculous pleuritis**
Rachida Yahiaoui (Barcelona, Spain), Rachida Yahiaoui, Houda Belguendouz, Chafika Touil, Djamal Messaouadéne, Rabah Amrane, Aziza Fissah

PA4523 **Clinical evaluation of diagnostic potential of several biomarkers for immunodiagnosis of tuberculosis infection including IGRAs**
Yoshihiro Kobashi (Kurashiki Okayama, Japan), Yoshihiro Kobashi, Keiji Mouri, Shigeki Kato, Mikio Oka

PA4524 **Effectiveness of tuberculosis detection using a skin test with allergen recombinant (CFP-10-ESAT-6) in children**
Ludmila Slogotskaya (Moscow, Russian Federation), L. Slogotskaya, E. Bogorodskaya, O. Sentchichina, D. Ivanova, G. Nikitina, V. Litvinov, P. Seltsovsky, D. Kudlay, N. Nikolenko, S. Borisov

PA4525 **Experience of skin test application using tuberculosis recombinant allergen (Diaskintest) in tuberculosis diagnostics of children**
Zhanna Kryvasheyeva (Minsk, Belarus), Zhanna Kryvasheyeva, Natalya Morozkina, Natalya Emeljanova, Andrey Astrovko, Irina Babchenok

PA4526 **Quantitative membrane proteomics reveals new functions ofCD13 in mycobacterium tuberculosis infection**
Chiu-Ping Kuo (Taipei, Taiwan), Chiu-Ping Kuo, Yen-Ta Lu, Rong-Luh Lin

PA4527 **System of matrix metalloproteinases in infiltrative pulmonary tuberculosis (with and without lung tissue destruction)**
Larisa Kiryukhina (Saint Petersburg, Russian Federation), Diljara Esmedlyaeva, Olga Titarenko, Marina Dyakova, Maria Pavlova, Viacheslav Zhuravlev, Larisa Kiryukhina

PA4528 **High diagnostic accuracy of immunodiagnosis in sputum smear/PCR-negative pulmonary tuberculosis**
Claudia Jafari (Hamburg, Germany), Claudia Jafari, Martin Ernst, Christoph Lange, Barbara Kalsdorf

PA4529	**Acute phase reaction in pulmonary tuberculosis during treatment** Mirjana Trajcevska (Skopje, FYROM (Macedonia)), Mirjana Trajcevska, Aleksandar Sandevski, Ljiljana Simonovska
PA4530	**Can platelet count and mean platelet volume be used as a differiantial marker betweeen tuberculosis and sarcoidosis?** Dildar Duman (Istanbul, Turkey), Dildar Duman, Meltem çoban Agca, Fatma Merve Tepetam, Murat Yalçinsoy, Emine Nur Koç, Esra Bülbül, özgecan Karahan, Tülin Kuyucu
PA4531	**State of the colon microbial population in patients with pulmonary tuberculosis depending on the culture sensitivity spectrum** Lilia Todoriko (Chernivtsi, Ukraine), Lilia Todoriko, Olena Pidverbetska, Oleg Pidverbetskiy
PA4532	**Radiologic profile of treated pulmonary tuberculosis patients and their correlation with modified medical research council scale and spirometry** Arpit Sharma (Jaipur, India), Arpit Sharma, Vikram Jain, Mahesh Mishra, Pritha Nayyar, Nitin Jain
PA4533	**The temporal pattern of coughing in tuberculosis compared to other diseases** Richard Turner (London, United Kingdom), Richard Turner, Sergio Matos, Surinder Birring, Graham Bothamley
PA4534	**Influence of the association of smoking, COPD and rpulmonary tuberculosis on diffusion lung capacity** Larisa Kiryukhina (Saint Petersburg, Russian Federation), Larisa Kiryukhina, Olga Volodich, Pavel Gavrilov, Maria Pavlova, Liudmila Archakova, Natalia Nefedova, Elena Aganezova, Elmira Zilber, Piotr Yablonskiy
PA4535	**Smoking as a risk factor which activates IL-2 gene polymorphism in patients with MDR-TB** Dmytro Butov (Kharkiv, Ukraine), Dmytro Butov, Mykhaylo Kuzhko, Nataly Makeeva, Tetyana Butova
PA4536	**The influence of genotype allele HLA-DRB1* on the development of generalized forms of tuberculosis among children** Anna Starshinova (St-Peterburg, Russian Federation), Anna Starshinova, Natalya Korneva, Irina Dovgaluk, Maria Pavlova, Irina Pavlova, Ludmila Bubnova
PA4537	**Assessing gender differences among tuberculosis suspects and patients in Guinea-Bissau** Frauke Rudolf (Valby, Denmark), Frauke Rudolf, Antonio Mateus Mendes, Cecilie Blenstrup Pantsche, Armando Sifna, Morreira Sargento Mendes, Victor Gomes, Christian Wejse

Room G104-105 Session 465 14:45 - 16:45

Poster discussion: Outcomes of lung transplantation

Chairs : Martin Iversen (Copenhagen, Denmark), Anne Olland (Strasbourg, France)

PA4538	**Return to work after lung-transplantation – A cross-sectional single-center study** Hendrik Suhling (Hannover, Germany), Hendrik Suhling, Christine Knuth, Axel Haverich, Tobias Welte, Jens Gottlieb
PA4539	**Evaluation of bone mineral density in lung transplantation candidates with end stage lung disease** Merih Kalamanoglu Balci (Istanbul, Turkey), Merih Kalamanoglu Balci, Belma Erdogan, Hayat Hatipoglu
PA4540	**Psychological criteria for contraindication in lung transplant candidates: 5 years survey** Andre Nathan Costa (Sao Paulo, Brazil), Andre Nathan Costa, Elaine Hojaij, Bellkis Romano, Priscila Camargo, Rafael Carraro, Jose Eduardo Afonso Junior, Silvia Campos, Liliane Mello, Marcos Samano, Ricardo Teixeira
PA4541	**Azathioprine discontinuation and medium and long term outcomes after lung transplantation** Valeria Rossetti (Milan, Italy), Valeria Rossetti, Letizia Corinna Morlacchi, Paolo Tarsia, Maria Pappalettera, Alice D'Adda, Davide Tosi, Francesco Blasi
PA4542	**Primary graft dysfunction after lung transplantation: Medium and long term outcomes** Letizia Corinna Morlacchi (Milan, Italy), Valeria Rossetti, Letizia Corinna Morlacchi, Maria Pappalettera, Paolo Tarsia, Alessandro Palleschi, Mario Nosotti, Francesco Blasi
PA4543	**Anti-reflux surgery for gastroesophageal reflux disease after lung transplantation: Benefit for lung function, acute rejections and respiratory infections** Abdul Monem Hamid (Puteaux, France), Am Hamid, A. Roux, O. Boche, J. Leport, M. Stern, S. De Miranda, D. Grenet, L. Azuar-Beaumont, B. Douvry, D. Usturoi, E. Cuquemelle, E. Sage, A. Chapelier, C. Picard
PA4544	**Analysis of factors affecting pretransplant pulmonary function tests and impact on overall survival after allogenic stem cell transplantation** Fatima Diaz Chantar (Ronda (Malaga), Spain), Fátima Díaz-Chantar, Jose Antonio Rodríguez-Portal, Rocío Parody, Oriana López, Nancy Rodríguez
PA4545	**Predictive value of donor age for recipient lung function and CLAD-free survival after lung transplantation** Henrik Auråen (Oslo, Norway), Henrik Auråen, Arnt Fiane, Odd Geiran, øystein Bjørtuft, Inga Leuckfeld, Are Martin Holm

PA4546 **Mortality risk and pulmonary function in adults with cystic fibrosis at time of wait listing for lung transplantation in the United States**
Don Hayes, Jr. (Columbus, United States of America), Don Hayes, Jr., Stephen Kirkby, Bryan Whitson, Sylvester Black, Shahid Sheikh, Joseph Tobias, Heidi Mansour, Benjamin Kopp

PA4547 **Scandiatransplant priority for urgency in lung transplantation – A 5 year multicentre experience**
Hans Henrik Schultz (Valby, Denmark), Hans Henrik Schultz, Are Martin Holm, Geerdt C. Riise, Göran Dellgren, Ingrid Skog, Karl Lemstrøm, Martin Iversen

PA4548 **Lung transplantation in alpha 1 antitrypsin deficiency**
Helen Stone (Stoke on Trent, United Kingdom), Helen Stone, Ross Edgar, Richard Thompson, Rob Stockley

PA4549 **Lung transplantation for Non- Cystic fibrosis bronchiectasis: A single centre retrospective analysis of 34 patients**
Jessica Rademacher (Hannover, Germany), Jessica Rademacher, Hendrik Suhling, Jan Fuge, Tobias Welte, Jens Gottlieb, Felix C. Ringshausen

PA4550 **Prolonged mechanical ventilation negatively affects survival and functional outcome in lung transplant recipients**
Carine Gomez (Marseille, France), Carine Gomez, Christophe Doddoli, Bérengère Coltey, Nadine Dufeu, Anderson Dieudonné Loundou, Fabienne Bregeon, Marc Leone, Pascal-Alexandre Thomas, Laurent Papazian, Martine Reynaud-Gaubert

PA4551 **Evaluation of anastomotic diameter in lung transplant: Comparing bronchofibroscopy with multiplanar reconstructed thoracic computed tomography**
Tiago Soares Oliveira e Sá (Lisbon, Portugal), Tiago Sá, Vânia Caldeira, Dionísio Maia, Raquel Rosa, Ricardo Coelho, Sofia Santos, Alexandra Borba, Nicole Murinello, Rita Gerardo, Ana Alves, Natalie Antunes, Luísa Semedo, João Cardoso

PA4552 **Lung transplantation following endoscopic lung volume reduction**
Thomas Fuehner (Hannover, Germany), Thomas Fuehner, Carolina Clajus, Mark Greer, Igor Tudorache, Tobias Welte, Jens Gottlieb

PA4553 **Respiratory and renal functional evolutionary profiles after introduction of everolimus and minimizing doses of calcineurin inhibitors in lung transplant recipients, a descriptive observational study**
RIGAUD Matthieu (Sete, France), Matthieu Rigaud, Claire Dromer

PA4554 **Isolation of stenotrophomonas maltophilia in lung transplant recipients: effects of treatment on prevalence and outcome**
Patrick Hofmann (Kaltbrunn, Switzerland), Patrick Hofmann, Michael Hombach, Macé Schuurmans, Urs Bürgi, Bruno Isenring, Nicolas Müller, Malcolm Kohler, Christian Benden, Lars Huber

PA4555 **Carbapenem-resistant Klebsiella pneumoniae in lung transplant recipients: A case series**
Priscila Camargo (São Paulo, Brazil), Priscila Cilene León Bueno Camargo, Silvia Vidal Campos, Felipe Xavier Melo, Ricardo Henrique de Oliveira Braga Teixeira, Paulo Manuel Pêgo-Fernandes

Room G106-107 Session 466 14:45 - 16:45

Poster discussion: Pulmonary circulation: the story of fresh and old clots

Chairs : Marion Delcroix (Leuven, Belgium), Marc Humbert (Paris, France)

PA4556 **Transthoracic echocardiography does not improve sPESI scale value in low risk pulmonary thromboembolism patients**
Ana Gomez Larrauri (Leioa, Spain), Ana Gomez-Larrauri, Jose Luis Lobo Beristain, Agustina Rivas-Guerrero, J. Trujillo Santos, M. Monreal, A. Skride, O. Sanz, I. Cañas, L. MAZZOLAI

PA4557 **Crucial role of thrombin-activated fibrinolysis inhibitor in the pathogenesis of chronic thromboembolic pulmonary hypertension**
Yaoita Nobuhiro (Sendai, Japan), Nobuhiro Yaoita, Taijyu Satoh, Kimio Satoh, Koichiro Sugimura, Shunsuke Tatebe, Tatsuo Aoki, Masanobu Miura, Yoshihiro Fukumoto, Hisanori Horiuchi, Hiroaki Shimokawa

PA4558 **Additive effects of balloon pulmonary angioplasty and the following cardiac rehabilitation on exercise capacity and quality of life**
Shigefumi Fukui (Osaka, Japan), Shigefumi Fukui, Takeshi Ogo, Yoichi Goto, Jin Ueda, Akihiro Tsuji, Reon Kumasaka, Tetsuo Arakawa, Michio Nakanishi, Hiroshi Takaki, Norifumi Nakanishi

PA4559 **Percutaneous transluminal pulmonary angioplasty improves biventricular cardiac functions in patients with chronic thromboembolic pulmonary hypertension - A cardiac magnetic resonance study-**
Haruka Sato (Sendai, Japan), Haruka Sato, Hideki Ota, Koichiro Sugimura, Tatsuo Aoki, Shunsuke Tatebe, Masanobu Miura, Saori Yamamoto, Hironobu Yaoita, Kimio Satoh, Hiroaki Shimokawa

PA4560	**Riociguat for pulmonary arterial hypertension (PAH) and chronic thromboembolic pulmonary hypertension (CTEPH): Final data from a phase II long-term extension (LTE) study** Marius M. Hoeper (Hannover, Germany), Marius Hoeper, Hossein-Ardeschir Ghofrani, Michael Halank, F. Joachim Meyer, Gerd Stähler, Jürgen Behr, Ralf Ewert, Monique Fletcher, Pablo Colorado, Sylvia Nikkho, Janethe de Oliveira Pena, Friedrich Grimminger
PA4561	**Effect of riociguat on pulmonary arterial compliance (PAC) in patients with CTEPH in the CHEST-1 study** Ioana Preston (Boston, United States of America), Ioana Preston, Nadine Al-Naamani, Adam Torbicki, Hossein-Ardeschir Ghofrani, Paul Hassoun, Sylvia Nikkho, Arno Fritsch, Stefano Ghio
PA4562	**Importance of computerized tomographic pulmonary angiography findings to predict mortality and cardiac comorbidity** Sehnaz Olgun (Istanbul, Turkey), Cagatay Cimsit, Sehnaz Olgun Yildizeli, Emel Eryuksel, Canan Cimsit, Berrin Ceyhan
PA4563	**Pulmonary embolism in Spain: Differences between men and women** Alicia Oliva Ramos (Rivas-Vaciamadrid, Spain), Alicia Oliva Ramos, Milagros Llanos Flores, Ingrid Frías Benzant, Laura Ramirez García, Rodrigo Jiménez García, Pilar Carrasco Garrido, Valentín Hernandez Barrera, Luis Puente Maestu, Ana Lopez de Andrés, Javier De Miguel Díez
PA4564	**Accuracy of inflammatory markers to distinguish between pneumonia and pulmonary embolism in acute settings** Livingstone Chishimba (Manchester, United Kingdom), Livingstone Chishimba, Fahad Iqbal, Williams John, Sushil Agarwal, Kasule Alice, Joynson Andrea, Imran Hussain
PA4565	**Assessing patients for suitability for outpatient management of pulmonary embolism; A retrospective analysis** Adeel Ashraf (Blackburn, United Kingdom), Adeel Ashraf, Mohammed Paracha, Qurat Malik, Sahira Isaji, Sean Lee
PA4566	**Effects of percutaneous transluminal pulmonary angioplasty on respiratory functions in patients with chronic thromboembolic pulmonary hypertension** Tatsuo Aoki (Sendai, Japan), Tatsuo Aoki, Koichiro Sugimura, Kotaro Nochioka, Shunsuke Tatebe, Masanobu Miura, Nobuhiro Yaoita, Haruka Sato, Kimio Satoh, Hiroaki Shimokawa
PA4567	**Oral and inhaled corticosteroid use has a time-dependent association with recurrent pulmonary embolism** Marlous Sneeboer (Amsterdam, Netherlands), Marlous Sneeboer, Barbara Hutten, Christof Majoor, Pieter-Willem Kamphuisen, Elisabeth Bel
PA4568	**Cardiac remodeling and left ventricular-arterial coupling in patients with chronic thromboembolic pulmonary hypertension** Anna Belevskaya (Moscow, Russian Federation), Anna Belevskaya, Zaira Dadacheva, Marina Saidova, Tamila Martynyuk, Irina Chazova
PA4569	**Relationship between computerized tomographic pulmonary angiography findings with clinical indices and scoring parametres in pulmonary embolism** Sehnaz Olgun (Istanbul, Turkey), Sehnaz Olgun Yildizeli, Cagatay Cimsit, Emel Eryuksel, Canan Cimsit, Berrin Ceyhan
PA4570	**Quantitative evaluation of ventilation-perfusion heterogeneity in precapillary pulmonary hypertension with SPECT scintigraphy** Tripura Sharma (Sydney, Australia), Kaipa Tripura Sharma, Edmund Lau, Tamera Corte, David Celermajer, Dale Bailey, Elizabeth Bailey, Geoff Schembri
PA4571	**Clinical profile and mortality of patients with pulmonary embolism and cancer** Arolqui Gonzalez Castillo (Valencia, Spain), Arolqui González Castillo, Sonia Cepeda Madrigal, Ildefonso Furest Carrasco, Ignacio Inchaurraga álvarez, Eva María Martínez Moragón
PA4572	**Benefit of using an age-adjusted D-dimer cut-off** Javier Berraondo Fraile (Valencia, Spain), Javier Berraondo-Fraile, Ana Lopez-Vazquez, Ana Bediaga-Collado, Izumi Konishi, Gustavo Juan-Samper, Estrella Fernandez-Fabrellas, Mercedes Ramon-Capilla
PA4573	**Can pulmonary arterial CT obstruction index rate predict right ventricular dilatation in pulmonary embolism?** Canan Eren Dagli (Ordu, Turkey), Berna Botan Yildirim, Aydin Kurt, Aysegul Karalezli, Canan Eren Dagli, Hatice Canan Hasanoglu

Room 13.2 Session 467 14:45 - 16:45

Poster discussion: Clinical assessment in asthma and COPD

Chairs : Jose Luis Lopez-Campos Bodineau (Sevilla, Spain), Marco Contoli (Ferrara, Italy)

PA4574	**Physiological and biological predictors of length of stay and recovery in adults with acute asthma** Thomas Jones (Portsmouth, United Kingdom), Thomas Jones, Jonathon Owen, Thomas Brown, Scott Elliott, Samal Gunatilake, Heena Mistry, William Storrar, Sumita Kerley, Dominic Reynish, Sal Matti, Jan Shute, Anoop Chauhan

PA4575	**Predictors of exacerbations in asthma** Andriana Papaioannou (Vrilissia, Athens, Greece), Andriana Papaioannou, Konstantinos Kostikas, Anastasia Papaporfuriou, Elissavet Konstantellou, Georgios Hillas, Nikolaos Koulouris, Spyridon Papiris, Petros Bakakos, Stelios Loukides
PA4576	**A 12-year prognosis of adult-onset asthma: Seinajoki adult-onset asthma study** Leena Esteri Tuomisto (Seinajoki, Finland), Leena Tuomisto, Pinja Ilmarinen, Onni Niemela, Jussi Haanpaa, Terhi Kankaanranta, Hannu Kankaanranta
PA4577	**Impact of comorbidities on chronic obstructive pulmonary disease (COPD) exacerbations in Singapore** Pei Yee Tiew (Singapore, Singapore), Pei Yee Tiew, Mariko Siyue Koh, Thun How Ong, Chian Min Loo, Therese Sophie Lapperre
PA4578	**Role of gastro-oesophageal reflux in severe asthma: Experience from the Wessex severe asthma cohort** Kamran Tariq (Eastleigh, United Kingdom), Kamran Tariq, Clair Barber, Kerry Gove, Hitasha Rupani, Tom Brown, Ramesh Kurukulaaratchy, Anoop Chauhan, Ratko Djukanovic, Peter Howarth
PA4579	**Three year follow-up of distribution and stability of patients with COPD according GOLD 2014** Nikolay Yanev (Pleven, Bulgaria), Nikolay Yanev, Nikolay Kyuchukov, Ilia Krachunov, Zlatina Ivanova, Pavlina Nikolova, Plamen Pavlov, Elena Borisova, Tsania Popova, Yavor Ivanov
PA4580	**Clinically remitted childhood asthma is a risk factor for airflow obstruction in middle-aged adults** Keitaro Omori (Hiroshima, Japan), Keitaro Omori, Hiroshi Iwamoto, Noboru Hattori, Takashi Yamane, Taku Nakashima, Yoshinori Haruta, Akihito Yokoyama, Nobuoki Kohno
PA4581	**High incidence of oesophageal dysmotility in unexplained respiratory symptoms** Jennifer Burke (East Yorkshire, United Kingdom), Jennifer Burke, Warren Jackson, Shoaib Faruqi, Alyn Morice
PA4582	**Effect of obesity and metabolic syndrome in patients with bronchial asthma** Mandeep Singh (Delhi, India), Mandeep Singh, Raj Kumar, Shailendra Gaur, Rajendra Prasad
PA4583	**Outpatient care for reducing readmissions of patients hospitalized for exacerbation of COPD** Felipe Villar Alvarez (Madrid, Spain), Felipe Villar, Alba Naya, Pilar Carballosa, Diana Sánchez, María José Checa, Sandra Pelicano, Itziar Fernández, Germán Peces-Barba
PA4584	**Characterization of asthma exacerbations in outpatients – National survey** Yavor Ivanov (Pleven, Bulgaria), Yavor Ivanov, Plamen Pavlov, Pavlina Glogovska, Tsania Popova, Anahid Torossian, Dimitar Kostadinov, Dencho Osmanliev, Diana Petkova, Kosta Kostov, Ognyan Georgiev, Vladimir Hodzhev, Nikolay Kyuchukov, Nikolay Yanev, Petkana Hristova
PA4585	**Validation of five non-invasive respiratory rate monitors in patients with COPD in a laboratory setting** Noah Rubio (Edinburgh , United Kingdom), Noah Rubio, Richard Parker, Hilary Pinnock, Christopher Weir, Janet Hanley, Lucy McClougham, William MacNee, Brian McKinstry, Roberto Rabinovich
PA4586	**Infection associated phenotype of asthma: Results of a difficult asthma clinic service improvement project** Sushiladevi Natarajan (Leicester, United Kingdom), Sushiladevi Natarajan, Robert Free, Andrew Wardlaw, Salman Siddiqui
PA4587	**Sleep quality in patients with asthma and COPD** Marija Kojicic Vukoja (Sremska Kamenica, Republic of Serbia), Marija Vukoja, Ivan Kopitovic, Dragana Milicic, Dragana Dabovic, Olivera Maksimovic, Miroslav Ilic
PA4588	**Depressive symptomatology in COPD patients** Lamprini Tina (Sparta, Greece), Lamprini Tina, NIkolaos Konstas, Panagiotis Andriopoulos
PA4589	**The predictors for COPD exacerbations using remote patient monitoring** Worawan Sirichana (Bangkok, Thailand), Worawan Sirichana, Xiaoyan Wang, Michael Taylor, Igor Barjaktarevic, Christopher B. Cooper
PA4590	**Subclinical cardiovascular changes in chronic obstructive pulmonary disease patients: Doppler ultrasound evaluation** Ali Abdelazeem Hasan (Assiut, Egypt), Samiaa Hamdy, Ali Hasan, Ghada Abd-Elrahman, Soheir Mustafa, Lobna Abde Wahed, Hanan Sharaf El-Deen, Mohammed Zedan
PA4591	**Prevalence, predictors and impact of nocturnal hypoxemia in non-apnoeic patients with COPD** Pawan Gupta (Delhi, India), Pawan Gupta, Sunil Chhabra

Room E102 Session 468 14:45 - 16:45

Poster discussion: New insights into exercise and muscle performance

Chairs : Michael Steiner (Leicester, United Kingdom), Ioannis Vogiatzis (Athens, Greece)

PA4592	**Comparison of 2- versus 6-minute walking test in patients with severe COPD** Rainer Gloeckl (Schoenau am Koenigssee, Germany), Rainer Gloeckl, Inga Heinzelmann, Sebastian Teschler, Klaus Kenn
PA4593	**Responsiveness of the short physical performance battery (SPPB) in severely dyspnoeic patients with COPD** Deborah Carrington (Middlesex, United Kingdom), Deborah Carrington, Sarah Jones, Jane Canavan, Claire Nolan, Samantha Kon, Michael Polkey, William Man
PA4594	**Compartments distribution of body composition in patients with chronic obstructive pulmonary disease** Jose Roberto De Brito Jardim (Sao Paulo, Brazil), José Roberto Jardim, Carolina Rocco, Mariana Gazzotti, Cristiane Pradela, Elias Porto, Oliver Nascimento, Mariana Adas, Cynthia Brandão, Marise Lazaretti
PA4595	**Reliability and validity of the modified stair climb power test in COPD** Sarah Jones (Berkshire, United Kingdom), Sarah E. Jones, Jane L. Canavan, Claire M. Nolan, Matthew Maddocks, Samantha S.C. Kon, Michael I. Polkey, William D.-C. Man
PA4596	**The effect of additional use of short-acting beta2 agonist on exercise tolerance in patients with COPD on regular long-acting bronchodilators treatments** Hirohisa Kano (Ogaki, Japan), Hirohisa Kano, Akira Shiraki, Joe Shindoh, Morihide Ando, Takashi Abe, Harunori Nakashima, Michiko Hibi, Sho Hori
PA4597	**Can diagnostic staff (DS) or patients predict whether the 6-minute walk distance (6MWD) will improve to a relevant extent at a repeated 6-minute walk test (R-6MWT)?** Silke Wingart (Bad Reichenhall, Germany), Silke Wingart, Nicola Lehbert, Claudia Sachse, Leithaeuser Amoene, Wittmann Michael, Jelusic Danijel, Schuler Michael, Schultz Konrad
PA4598	**Multi-frequency bioelectric impedance ratio and physical performance in stable COPD** Jane Canavan (Harefield, United Kingdom), Jane L. Canavan, Sarah E. Jones, Claire M. Nolan, Samantha S.C. Kon, Matthew Maddocks, Amy L. Clark, Faiza Chowdhury, Michael I. Polkey, Nicholas S. Hopkinson, William D.-C. Man
PA4599	**Sit-to-stand ability in patients hospitalised for acute exacerbation of COPD: Clinical characteristics and short-term outcomes** Samantha Kon (Buckinghamshire, United Kingdom), Samantha Kon, Sarah Jones, Jane Canavan, Claire Nolan, Brigitte Haselden, Michael Polkey, Paul Cullinan, William Man
PA4600	**Muscle power output in older adults with COPD** Lopez Saez de Asteasu (Alsasua, Spain), Mikel López, Fabrício Zambom-Ferraresi, María Hernández, Pilar Cebollero, Javier Hueto, María Milagros Antón
PA4601	**Acute impact of percutaneous electrical stimulation (PES) & resistance exercise (RE) on quadriceps muscle gene expression in COPD** Lorna Latimer (Rugby, United Kingdom), Lorna Latimer, Neil Greening, Despina Constantin, Michael Steiner, Paul Greenhaff
PA4602	**Determinants of rapid exercise capacity decline in patients with COPD** Sarah Crook (Zurich, Switzerland), Sarah Crook, Anja Frei, Tsung Yu, Gerben Ter Riet, Milo Puhan
PA4603	**COPD and oxygen supplementation: Improvement in inspiratory capacity and dyspnea during exercise** Liv Karin Vesteng (Hakadal, Norway), Liv Karin Vesteng, Ingunn Skjørten, Morten Melsom, Anne Edvardsen
PA4604	**Reactive oxygen species regulate autophagy in COPD myotubes in vitro** Pascal Pomiès (Montpellier, France), Pascal Pomiès, Marine Blaquière, Fares Gouzi, Jonathan Maury, Jacques Mercier, Maurice Hayot
PA4605	**Hypoxia sensitizes skeletal muscle to fasting-induced muscle atrophy; role of AMPK activation** C.C. De Theije (Maastricht, Netherlands), C.C. De Theije, A.M.W.J. Schols, W.H. Lamers, S.E. Köhler, R.C.J. Langen
PA4606	**Inactivation of glycogen synthase kinase-3 is not required for recovery of muscle mass of disuse-atrophied muscle** Ramon Langen (Maastricht, Netherlands), Ramon Langen, Nicky Pansters, Marco Kelders, Chiel De Theije, Annemie Schols
PA4607	**Aerobic exercise reduces lung inflammation and fibrosis mediated by serotoninergic/Akt signaling in a model of pulmonary fibrosis** Rodolfo de Paula Vieira (São José dos Campos, Brazil), Rodolfo P. Vieira, Ana Roberta Almeida-Oliveira, Paulo R. Pereira, Yves Matos, Manoel C. Oliveira-Junior, Flavia R. Greiffo, Nicole C. Rigonato-Oliveira, Adilson S. Andrade-Sousa, Thayse R. Brugemman, Humberto Delle, Regiane Albertini, Ana Paula L. De Oliveira, Nilsa R. Damaceno-Rodrigues, Isis E. Fernandez, Marisa Dolhnikoff, Hugo C. Castro-Faria-Neto, Marco Idzko, Oliver Eickelberg
PA4608	**The role of growth and differentiation factor 15 (GDF-15) in the development of skeletal muscle wasting in pulmonary arterial hypertension (PAH)** Benjamin Garfield (London, United Kingdom), Benjamin Garfield, Alexi Crosby, Yang Pieran, Lee Jen, Dongmin Shao, Lisa Parfitt, Carl Harries, Nicholas Morrell, Michael' Polkey, Paul Kemp, S. John Wort

PA4609 **Aerobic exercise reduces pulmonary inflammation in diet-induced obesity in a HDM model of asthma through adipokines, IL-10, IL-17 and IL-23 signaling**
Jefferson Comin (São Bernardo do Campo, Brazil), Jefferson C.J. Aquino-Junior, Ana Roberta Almeida-Oliveira, Manoel C. Oliveira-Junior, Adilson S. Andrade-Sousa, Erasmo A. Neto, Auriléia Aparecida-Brito, Nicole C. Rigonato-Oliveira, Dioze Guadagnini, Luiz O. Leiria, Ana Paula L. De Oliveira, Mario J. Saad, Rodolfo P. Vieira

Room D201-202 Session 469 14:45 - 16:45

Poster discussion: Clinical physiology: from airways, lung and respiratory muscles to dyspnoea in health and disease

Chairs : Esther Barreiro Portela (Barcelona, Spain), Capucine Morelot Panzini (Paris, France)

PA4610 **Upper airway dysfunction in amyotrophic lateral sclerosis**
Georgios Kaltsakas (Halandri-Athens, Greece), Georgios Kaltsakas, Michael Rentzos, Theodoros Alexakis, Vassiliki Zouvelou, Anastasios F. Palamidas, Sofia Antiopi Gennimata, Sophia Xirou, Ioannis Evdokimidis, Nickolaos G. Koulouris

PA4611 **Determination of inspiratory critical pressure in healthy men**
Vinicius Minatel (Sao Carlos, Brazil), Vinicius Minatel, Patrícia Rehder-Santos, Bruno Araújo Ribeiro, Richard Ducatti, Camila Bianca Falasco Pantoni, Ester Silva, Anielle Cristhine de Medeiros Takahashi, Aparecida Maria Catai

PA4612 **Improvement in FEV1 after acute COPD exacerbations are driven more by changes in hyperinflation than changes in proximal airway volume**
Cedric Van Holsbeke (Kontich, Belgium), Cedric Van Holsbeke, Wim Vos, Wouter Van Geffen, Huib Kerstjens, Massimo Pistolesi, Omar Usmani, Bita Hajian, Anthony Cahn, Jan De Backer, Wilfried De Backer

PA4613 **Determination of normal values for an isocapnic hyperventilation endurance test**
Marjolaine Vincent (Saint Etienne, France), Marjolaine Vincent, Isabelle Court Fortune, Jean Philippe Camdessanche, Frédéric Costes

PA4614 **Assessment of diaphragmatic excursion in chronic obstructive pulmonary disease**
Eman Sobh (Al-Mahalla Al-Kobra, Egypt), Eman Sobh, Manal Refaat Hafez, Omaima I. Abo-Elkheir

PA4615 **Transfer factor of the lung for carbon monoxide (TL_{CO}) in morbid obese subjects**
Ebymar Arismendi Nunez (Barcelona, Spain), Ebymar Arismendi, José Ríos, Josep Roca, Felip Burgos, Eva Rivas, Roberto Rodriguez-Roisin

PA4616 **FEV_1/FVC ratio does not reflect peripheral airway ageing in an elderly reference population**
Sanna Kjellberg (Skara, Sweden), Sanna Kjellberg, Birgitta Houltz, Paul Robinson, Per Gustafsson

PA4617 **Thoracoabdominal asynchrony in COPD patients during quiet breathing**
Desiderio Cano Porras (Sao Paulo, Brazil), Desiderio C. Porras, Fernanda D. Dias, Dayse Tobelem, Evelim L.F. Danta Gomes, Dirceu Costa

PA4618 **Dissociated changes in the slopes of capnogram curves during metchacholine- and histamine-induced bronchoconstriction in rabbits**
Adam Laszlo Balogh (Szeged, Hungary), Ferenc Petak, Gergely H. Fodor, Adam L. Balogh, Orsolya Ivankovitsne Kiss, Roberta Sudy, Barna Babik

PA4619 **Diffusion capacity and CT measures of emphysema and airway wall thickness - Relation to arterial oxygen tension in COPD patients**
Eirunn Saure (Raadal, Norway), Eirunn Waatevik Saure, Per Bakke, Tomas Eagan, Marianne Aanerud, Robert Jensen, Ane Johannessen, Roy Miodini, Einar Thorsen, Thomas Grydeland, Jon Hardie

PA4620 **Lung function is associated with left ventricular wall stress in coincident COPD and heart failure**
Peter Alter (Marburg, Germany), Peter Alter, Kirsten Vand de Sand, Christoph Nell, Timm Greulich, Claus Vogelmeier, Andreas Rembert Koczulla

PA4621 **Single-breath washout in stable COPD patients: Association with bodyplethysmography and bronchodilator response**
Anna Gensmer (Wattwil, Switzerland), Anna Gensmer, Sylvia Nyilas, Michael Tamm, Philipp Latzin, Daiana Stolz

PA4622 **Identification of lung mechanical properties in patients with acute exacerbation of chronic obstructive pulmonary disease (AECOPD)or acute heart failure (AHF) through forced oscillation technique (FOT): Preliminary results**
Alice Repossi (Milan, Italy), Alice Claudia Repossi, Fabiano Di Marco, Emanuela Rancati, Mirta Cavallini, Fulvia Ribolla, Sara Job, Stefano Centanni

PA4623 **Respiratory muscle strength at rest, during and after maximal exercise in healthy subjects**
Letícia Cardenas (Sao Paulo, Brazil), Letícia Zumpano Cardenas, Pauliane Vieira Santana, Mayra Caleffi Pereira, Jeferson George Ferreira, Luiz Fernando Orlandin, Vinicius Iamonti, Renata Pletsch, Pedro Caruso, Carlos Roberto Ribeiro de Carvalho, Andre Albuquerque

PA4624	**Near-infrared spectroscopy, ventilation and gas exchange responses to 6-minute walk test in young healthy adults** Laís Vidotto (Londrina, Brazil), Lais Vidotto, Cláudia Dos Santos, Mayara Da Silva, Josiane Felcar, Cosme Buzzachera, Alison McConnell, Vanessa Probst
PA4625	**Volitional and non-volitional strength, synchrony and inspiratory force reserve in fibrosing interstitial lung disease at rest and during exercise** Pauliane Santana (Sao Paulo, Brazil), Pauliane V. Santana, Leticia Z. Cardenas, Ozires Ramos, Jeferson G. Ferreira, Thomas N. Jaeger, Patricia Trevisan, Marcelo C. Macchione, Carlos R.R. Carvalho, Andre L.P. Albuquerque, Pedro Caruso
PA4626	**Exertional dyspnea relief following bronchodilation in COPD: Role of neural respiratory drive** Courtney Wilkinson-Maitland (Westmount, Canada), Courtney Wilkinson-Maitland, Benoit Borel, Helene Perrault, Alan Hamilton, Jean Bourbeau, Francois Maltais, Dennis Jensen
PA4627	**Effect of abdominal binding on neuromuscular efficiency of the diaphragm, dyspnea and exercise tolerance in COPD** Sara Abdallah (Montreal, Canada), Sara Abdallah, Courtney Wilkinson-Maitland, Jean Bourbeau, Dennis Jensen

Room Emerald Session 470 15:00 - 16:45

Session: ERS and you

Getting the most out of your ERS membership as an early-career researcher

Aims : To launch a meeting dedicated to the relationship between the ERS and junior delegates that will show how they can benefit from each other. To facilitate the aims of this meeting, the ERS structure will be described.

Target audience : Junior delegates.

Chairs : Pieter S. Hiemstra (Leiden, Netherlands), Agnes Boots (Maastricht, Netherlands)

15:00	**Introduction including the results of the survey** Agnes Boots (Maastricht, Netherlands)	**4628**
15:15	**ERS structure and possibilities** Guy Brusselle (Ghent, Belgium)	**4629**
15:35	**JMC: achievements and future plans** Anders Bjerg (Gothenburg, Sweden)	**4630**
15:45	**Opportunities for early-career researchers within the ERS** Oliver Eickelberg (Munich, Germany)	**4631**
16:05	**Panel discussion**	**4632**

17:15-19:15
INDUSTRY EVENING SYMPOSIA SEE PAGE 331

17:30-19:00
INDUSTRY EVENING MINI SYMPOSIUM SEE PAGE 331

17:30-19:30
INDUSTRY EVENING EXPERT FORUMS SEE PAGE 331

Room G106-107 Session 486 07:00 - 08:15

Registration for this session is additional to the congress registration fee and is €85.

Challenging clinical cases: CC7 Pneumothorax: causes and treatment (€85)

Aims : To discuss with the audience the various reasons and treatment options for a pneumothorax

Tag(s) : Clinical

Target audience : Radiologists, pathologists, pulmonologists, thoracic surgeons, respiratory therapists, respiratory physicians, clinical researchers, radiologists, fellows, and residents.

Chairs : Anne Olland (Strasbourg, France)

07:00	**Introduction**	**4705**
07:10	**The surgeons view** Gilbert Massard (Strasbourg, France)	**4706**
07:35	**The pulmonologists view** Jonas Yserbyt (Leuven, Belgium)	**4707**
08:00	**Discussion**	**4708**

Room L001 Session 487 08:00 - 10:20

Registration for this workshop is additional to the congress registration fee and is €85.

Educational skills workshop: EW25 Hands-on polysomnography (€85)

Aims : To introduce and provide an overview of polysomnography, including wiring up, troubleshooting signals, scoring studies, and interpreting the report.

Track(s) : Sleep

Tag(s) : Clinical

Target audience : Absolute beginners and anyone wishing to refresh their understanding of full polysomnographic sleep studies, including physicians, nurses, allied health professionals, students, and researchers with a professional interest in sleep medicine.

Chairs : Renata L. Riha (Edinburgh, United Kingdom)

	Introduction	**4709**
	Workstation 1: Approach to full polysomnography, setting up and wiring up: the basic techniques Andrew Morley (Glasgow, United Kingdom)	**4710**
	Workstation 2: Data acquisition: what can go wrong? What does it look like when it goes right? Simone De Lacy (London, United Kingdom)	**4711**
	Workstation 3: Scoring sleep using AASM guidelines. A brief introduction to scoring respiratory events, arousals and limb movements. Elizabeth Hill (Edinburgh, United Kingdom)	**4712**

Room L002 Session 488 08:00 - 10:20

Registration for this workshop is additional to the congress registration fee and is €85.

Educational skills workshop: EW26 Paediatric respiratory resuscitation (€85)

Aims : The educational aim of the session is to teach current resuscitation techniques and skills.

Track(s) : Paediatric

Chairs : Roddy O'Donnell (Cambridge, United Kingdom)

08:00	**Introduction**	**4713**
08:05	**Workstation 1: Airway management** Xavier Moors (Rotterdam, Netherlands), Erik Bokhorst (Rotterdam, Netherlands)	**4714**
08:40	**Workstation 2: Basic life support (BLS) and choking** Denise Welsby (London, United Kingdom), Elsbeth De Jager (Rotterdam, Netherlands)	**4715**
09:15	**Workstation 3: Team work and scenarios using the advanced life support (ALS) algorithm** Liesje Andre (London, United Kingdom), Roddy O'Donnell (Cambridge, United Kingdom)	**4716**

09:50	**Workstation 4: IO insertion** Corinne Buysse (Schoten, Belgium), Sophie Skellett (London, United Kingdom)	**4717**

Room L001 Session 510 10:40 - 13:00

Registration for this workshop is additional to the congress registration fee and is €85.

Educational skills workshop: EW27 Hands-on polysomnography (€85)

Aims : To introduce and provide an overview of polysomnography, including wiring up, troubleshooting signals, scoring studies, and interpreting the report.

Track(s) : Sleep

Tag(s) : Clinical

Target audience : Absolute beginners and anyone wishing to refresh their understanding of full polysomnographic sleep studies, including physicians, nurses, allied health professionals, students, and researchers with a professional interest in sleep medicine.

Chairs : Renata L. Riha (Edinburgh, United Kingdom)

	Introduction	**4919**
	Workstation 1: Approach to full polysomnography: the basic techniques in terms of setting up and wiring up Andrew Morley (Glasgow, United Kingdom)	**4920**
	Workstation 2: Data acquisition: what can go wrong? What does it look like when it goes right? Simone De Lacy (London, United Kingdom)	**4921**
	Workstation 3: Scoring sleep using AASM guidelines. A brief introduction to scoring respiratory events, arousals and limb movements. Elizabeth Hill (Edinburgh, United Kingdom)	**4922**

Room L002 Session 511 10:40 - 13:00

Registration for this workshop is additional to the congress registration fee and is €85.

Educational skills workshop: EW28 Paediatric respiratory resuscitation (€85)

Aims : The educational aim of the session is to teach current resuscitation techniques and skills.

Track(s) : Paediatric

Chairs : Roddy O'Donnell (Cambridge, United Kingdom)

	Introduction	**4923**
	Workstation 1: Airway management Xavier Moors (Rotterdam, Netherlands), Erik Bokhorst (Rotterdam, Netherlands)	**4924**
	Workstation 2: Basic life support (BLS) and choking Denise Welsby (London, United Kingdom), Elsbeth De Jager (Rotterdam, Netherlands)	**4925**
	Workstation 3: Team work and scenarios using the advanced life support (ALS) algorithm Liesje Andre (London, United Kingdom), Roddy O'Donnell (Cambridge, United Kingdom)	**4926**
	Workstation 4: IO insertion Corinne Buysse (Schoten, Belgium), Sophie Skellett (London, United Kingdom)	**4927**

Room Emerald Session 484 07:00 - 08:15

How to: Involve patients in research projects

From a successful application to an effective partnership

Aims : To show why patient involvement is important in research, how to find patients who are able to take part in projects, and how to prepare them for the role; to delineate what funding bodies are looking for and how to fulfil their requirements in an application; and to describe how to effectively involve patients through the full lifecycle of the project to ensure that their inclusion is meaningful and effective.

Target audience : Anyone involved in research, including basic scientists, clinical researchers, research fellows and trainees.

Chairs : Dan Smyth (Dundalk, Ireland)

07:00	**Introduction**	**4697**

07:10	**The benefits and challenges of involving patients as project partners: the professional perspective** Peter Sterk (Amsterdam, Netherlands)	**4698**
07:35	**The benefits and challenges of involving patients as project partners: the patient perspective** David Supple (Newport, United Kingdom)	**4699**
08:00	**Discussion**	**4700**

Room G102-103 Session 485 07:00 - 08:15

How to: Make a multi-disciplinary team work

Aims : To discuss the aims and benefits of working in multi-disciplinary teams and how to develop strategies to deal with difficult situations that can be encountered when cooperating with colleagues in a multi-disciplinary team.

Target audience : Pulmonologists, emergency medicine doctors, respiratory therapists, respiratory physicians, general practitioners, intensivists, nurses, pathologists, radiologists, thoracic surgeons, otolaryngologists and trainees.

Chairs : Mina Gaga (Athens, Greece)

07:00	**Introduction**	**4701**
07:10	**Aims of working in a multi-disciplinary team** Bogdan Dragos Grigoriu (Iasi, Romania)	**4702**
07:35	**How to deal with controversy in a multi-disciplinary team** Dimitrios Vassos (Athens, Greece)	**4703**
08:00	**Discussion**	**4704**

Room 7.1 Session 489 08:30 - 10:30

Hot topics: Iatrogenic drug

Emerging and life-threatening problem

Aims : Since 2010, many novel biological drugs for primary or secondary solid neoplasms and haematologic malignancies have become available. Each of these drugs or drug classes produces a well-defined pattern of respiratory involvement. These patterns must be separated from the patterns imposed by the underlying disease, the effect of other drugs/radiation, and the effect of infections. If these patterns are not discriminated, the patient is at risk of unnecessary drug withdrawal, which could have adverse consequences on the underlying respiratory condition . Those patients must also be followed in a preventive manner by pulmonologists according to established guidelines before complications develop. Moreover, many new illicit drugs, substances of abuse, drugs on the internet, and inhalants are now available. Many can cause acute respiratory emergencies or death. Identification of the culprit drug is problematic in the obtunded patient. Pulmonologists must be cognisant of these possible problems and to advise ICU and emergency department colleagues in a precise and timely manner. The risks of e-cigarettes should also be reviewed since some e-liquids contain illegal drugs. In addition, a host of non-drug compounds are now being used in orthopaedic and plastic surgery (e.g., silicone, 150 hydrogel, and methacrylate glue). These compounds can access the lung, causing mysterious and severe lung and sometimes brain involvement. Late diagnosis is common. Clinicians should be updated about these risks. Finally, it was shown that 9% of patients with drug-induced respiratory injury die (Pneumotox.com ®). Sadly, but interestingly, a sizable fraction of these fatal cases could have been avoided by implementing the guidelines, evaluating the lung adequately before therapy, ensuring the absence of premedication, making an early diagnosis, and eliminating management errors . If one wants the number of drug casualties to diminish in the future, all preventive actions should be reviewed carefully and presented to clinicians.

Track(s) : Epidemiology/Environment

Tag(s) : Clinical

Target audience : Clinicians, intensivists, ICU physicians, emergency department doctors and nurses, radiologists, and anaesthesiologists.

Chairs : Venerino Poletti (Forli, Italy), Athol Wells (London, United Kingdom)

08:30	**Emerging biologicals: separating drug-related injury from the underlying disease-related lung injury** Maureen Horton (Baltimore, United States of America)	**4718**
09:00	**Respiratory emergencies caused by novel substances of abuse** Speaker to be confirmed	**4719**
09:30	**Pulmonary and systemic vasculopathies caused by drug excipients, cutting agents and adulterants** Philippe Bonniaud (Dijon, France)	**4720**
10:00	**Avoiding drug-induced casualties: a critical mission** Philippe Camus (Dijon, France)	**4721**

Room Auditorium Session 490 08:30 - 10:30

Hot topics: Severe asthma phenotyping
Using clinically-relevant biomarkers

Aims : To describe the state of the art regarding the four main severe asthma phenotypes, provide insights into the role of clinically-relevant biomarkers that relate to different phenotypes; and discuss the usefulness of biologics as add-on therapy in selected severe asthma phenotypes.

Tag(s) : Translational

Target audience : Clinicians, clinical researchers, research fellows, and basic scientists.

Chairs : Guy Brusselle (Ghent, Belgium), Peter Sterk (Amsterdam, Netherlands)

08:30	**Early-onset allergic severe asthma** Ratko Djukanovic (Southampton, United Kingdom)	**4722**
09:00	**Late-onset persistent eosinophilic severe asthma** Ian Douglas Pavord (Oxford, United Kingdom)	**4723**
09:30	**Obesity-related severe asthma** Stephanie Shore (Boston, United States of America)	**4724**
10:00	**Neutrophilic severe asthma** Fabio L. M. Ricciardolo (Orbassano (Turin), Italy)	**4725**

Room 7.2 Session 491 08:30 - 10:30

Symposium: Resolving inflammation
The crossroad between infection and immunity in airway disease

Aims : To describe the role of epithelial cells and dendritic cells in the innate immune response, demonstrate the importance of oxidative stress in the resolution of inflammation, describe how the viral response to viral infection is altered in disease and highlight the effect of bacterial infection on innate immunity and infection.

Tag(s) : Basic

Target audience : Clinicians, scientists, clinical scientists, cellular and molecular biologists, and translational researchers.

Chairs : Pascal Chanez (Marseille, France), Anne Van Der Does (Leiden, Netherlands)

08:30	**The role of innate immune cells in inflammation** David Cousins (Leicester, United Kingdom)	**4726**
09:00	**Oxidative stress impacts lipid mediator formation and release** Craig Wheelock (Stockholm, Sweden)	**4727**
09:30	**Defective endogenous antiviral mediator production in response to viral infection** Sebastian L. Johnston (London, United Kingdom)	**4728**
10:00	**The microbiome affects the innate immune response and the resolution of inflammation** Philip Hansbro (Callaghan, Australia)	**4729**

Room Elicium 2 Session 492 08:30 - 10:30

Symposium: Respiratory disease in minority groups

Aims : To describe the differences between ethnic minority groups in terms of respiratory disease prevalence, provide plausible genetic and environmental explanations for such prevalence differences, describe the current challenges faced by Europe in terms of providing healthcare to ethnic minority groups and review the academic argument about how we should assess 'normal' lung function in ethnic minority groups.

Track(s) : Epidemiology/Environment

Target audience : Clinicians, healthcare professionals, and epidemiologists.

Chairs : Bo Lundback (Gothenburg, Sweden), Giovanni Viegi (Pisa, Italy)

08:30	**Health in ethnic minority groups in Europe: what are the current challenges?** Aziz Sheikh (Edinburgh, United Kingdom)	**4730**
09:00	**Respiratory disease and ethnicity: the US Experience** R. Graham Barr (New York, United States of America)	**4731**

09:30	**What is the evidence that ethnic differences in the prevalence of respiratory disease are explained by differences in genetic make-up?** H. Marike Boezen (Groningen, Netherlands)	4732
10:00	**COPD and ethnicity** Peter Burney (London, United Kingdom)	4733

Room 4.2 Session 493 08:30 - 10:30

Symposium: Difficult-to-treat mediastinal problems

Aims : To describe the differences between thymectomy and thymomectomy, explain why patients with thymoma-myasthaenia gravis may require complete thymic removal, describe the advantages of the new video-assisted approach, discuss new technologies of sternal replacement after the removal of giant tumours and present the sequence of the diagnostic and therapeutic steps that are taken when there is a medical urgency involving patients with mediastinitis.

Track(s) : Oncology

Tag(s) : Clinical

Target audience : Pulmonologists, thoracic oncologists, and surgeons.

Chairs : Dragan R. Subotic (Beograd, Republic of Serbia), Nicolas Girard (Bron, France)

08:30	**Thymic tumours and thymoma-myasthaenia gravis** Marco Lucchi (Pisa, Italy)	4734
09:00	**Optimal approach to mediastinal lymphomas** Paul E. Van Schil (Edegem (Antwerp), Belgium)	4735
09:30	**Giant sternal tumours** Alain R. Chapelier (Le Plessis Robinson, France)	4736
10:00	**Acute mediastinitis** Stefano Elia (Naples, Italy)	4737

Room 5.2 Session 494 08:30 - 10:30

Hot topics: New advances in smoking cessation interventions

Aims : The first speaker will describe how to approach smoker pulmonary patients to help them quit; how to use smoking cessation interventions in smokers with pulmonary disorders; and how to assess and use smoking cessation interventions in smokers who find it difficult to quit. The second speaker will describe which smoking cessation interventions are effective and safe, and the cost-effectiveness of these interventions. The third speaker will discuss the conclusions of the most recent RCTs on the efficacy and safety of using the nicotine vaccine to induce smoking cessation. The fourth speaker will describe the clinical studies on the efficacy and safety of using e-cigarettes to induce smoking cessation and the health concerns regarding these devices.

Tag(s) : Clinical, Healthy Lungs for Life (HLfL)

Target audience : Primary care physicians, lung physicians, nurses and physiotherapists interested in helping smokers to quit.

Chairs : Christina-Georgia Gratziou (Athens, Greece), Stefano Nardini (Vittorio Veneto, Italy)

08:30	**ERS Statement: Smoking cessation in COPD and other pulmonary disorders** Carlos Andres Jimenez Ruiz (Madrid, Spain)	4738
09:00	**Effectiveness and cost-effectiveness of smoking cessation interventions** Keir E Lewis (Dyfed, Wales, United Kingdom)	4739
09:30	**Nicotine vaccination for smoking cessation: is it effective and safe?** Onno C. P. van Schayck (Maastricht, Netherlands)	4740
10:00	**Do e-cigarettes induce smoking cessation?** Peter Hajek (London, United Kingdom)	4741

Room Elicium 1 Session 495 08:30 - 10:30

Symposium: Cystic fibrosis: not just for the specialists

Aims : To describe the specific treatment of the chloride channel basic defect by using new therapies (e.g., ivacaftor), the emergency care of a CF patient who is admitted to a non-CF centre, how to overcome diagnostic dilemmas in CF, thereby ensuring that patients are not incorrectly diagnosed with non-CF bronchiectasis and recent advances regarding selection criteria and outcomes in lung transplantation.

Track(s) : Paediatric

Target audience : All adult and paediatric respiratory clinicians and specialists, especially non-CF specialists but also those who work in a CF centres.

Chairs : Ian Balfour-Lynn (London, United Kingdom), Jürg Barben (St. Gallen, Switzerland)

08:30	**The chloride channel: pathology and specific therapy** Jane C. Davies (London, United Kingdom)	**4742**
09:00	**Diagnostic dilemmas: is it really non-CF bronchiectasis?** Nico Derichs (Berlin, Germany)	**4743**
09:30	**Emergency CF care: what a non-CF specialist needs to know** Harry G.M. Heijerman (The Hague, Netherlands)	**4744**
10:00	**Lung transplantation: selection criteria and outcomes** André Simon (London, United Kingdom)	**4745**

Room Forum Session 496 08:30 - 10:30

Oral presentation: Infection in COPD: different aspects of the host/pathogen balance

Chairs : Daiana Stolz (Basel, Switzerland), John R Hurst (London, United Kingdom)

OA4746	**LATE-BREAKING ABSTRACT: Haemophilus dominance of the stable COPD microbiome is associated with greater bacterial load and inflammation and is modulated by prophylactic antibiotic therapy** Simon Brill (London, United Kingdom), Simon Brill, Phillip James, Leah Cuthbertson, William Cookson, Miriam Moffatt, Jadwiga Wedzicha
OA4747	**LATE-BREAKING ABSTRACT: Long-term effects of inhaled corticosteroids on sputum bacterial and viral loads in COPD patients** Marco Contoli (Ferrara, Italy), Marco Contoli, Alessia Pauletti, Paolo Casolari, Giulia Gnesini, Maria Sandra Magnoni, Giacomo Curradi, Giacomo Forini, Brunilda Marku, Alberto Papi
OA4748	**Preliminary data from a longitudinal study of the airway microbiome in COPD** Alison Dicker (Dundee, United Kingdom), Alison Dicker, Megan Crichton, Andrew Cassidy, Stuart Schembri, Sara Marshall, Colin Palmer, James Chalmers
OA4749	**Dynamics of sputum antimicrobial peptide levels in chronic obstructive pulmonary disease (COPD)** Louise Persson (Bergen, Norway), Louise Jeanette Pauline Persson, Marianne Aanerud, Per Sigvald Bakke, Tomas Mikal Eagan, Pieter Sicco Hiemstra
OA4750	**Fluticasone propionate reduces influenza infection of human macrophages** Karl J. Staples (Southampton, United Kingdom), Karl J. Staples, Richard T. McKendry, C. Mirella Spalluto, Tom M.A. Wilkinson
OA4751	**Respiratory syncytial virus induces glucocorticoid insensitivity** Yuxiu Connie Xia (Parkville, Australia), Yuxiu Connie Xia, Shenna Langenbach, Asmaa Radwan, Meina Li, Christine Keenan, Zixin Wong, Rosa Gualano, Alastair Stewart
OA4752	**Point-of-care procalcitonin test to reduce antibiotics in COPD exacerbation: A quasi-randomised control trial** Markus Fally (Copenhagen E, Denmark), Markus Fally, Caspar Corti, Andreas Fabricius-Bjerre, Katrine Mortensen, Birgitte Nybo Jensen, Helle Andreassen, Celeste Porsbjerg, Jenny Dahl Knudsen, Jens-Ulrik Jensen
OA4753	**Acute exacerbations of COPD due to pseudomonas aeruginosa: Impact of antimicrobial resistance** Ana Maria Rodrigo Troyano (Barcelona, Spain), Ana Rodrigo-Troyano, Guillermo Suárez-Cuartin, Meritxell Peiro, Diego Castillo, Ingrid Solanes, Ferran Sánchez-Reus, Marcos I. Restrepo, James D. Chalmers, Vicente Plaza, Oriol Sibila

Room 5.1 Session 497 08:30 - 10:30

Oral presentation: Comorbidities in sleep-disordered breathing and sleep-disordered breathing as a comorbidity

Chairs : Raphael Heinzer (Lausanne, Switzerland), Sophia E. Schiza (Heraklion, Crete, Greece)

OA4754	**A prospective, randomised, controlled trial of CPAP in adults with Down syndrome** Elizabeth Hill (Edinburgh, United Kingdom), Elizabeth A. Hill, Donna M. Fairley, Linda J. Williams, Sally-Ann Cooper, Renata L. Riha
OA4755	**Sleep-disordered breathing is correlated to renal impairment in patients with diabetes mellitus type 2** Stefan Stadler (Regensburg, Germany), Stefan Stadler, Tanja Zimmermann, Myriam Rheinberger, Carsten Böger, Michael Arzt

OA4756	**Gout increases the risk of coronary heart disease among patients with obstructive sleep apnea: A nationwide population-based cohort study** Chen-Liang Tsai (Taipei, Taiwan), Chen-Liang Tsai, Yu-Huei Lin, Chih-Feng Chian, Wann-Cherng Perng, Chi-Huei Chiang
OA4757	**The use of rifaximin improves sleep disorders in Hepatic Encephalopathy** Marie Bruyneel (Rhode, Belgium), Marie Bruyneel, Sandra Van den Broecke, Thierry Gustot, Thomas Sersté
OA4758	**Impact of continuous positive airway pressure therapy on atrial electromechanical delay in obesity-hypoventilation syndrome patients** Carolina Vitale (Frattamaggiore, Italy), Vincenzo Russo, Marco Mosella, Federica Di Meo, Gerardo Nigro, Carolina Vitale, Maria D'Amato, Antonio Molino
OA4759	**Effect of patent foramen ovale closure on obstructive sleep apnea** Sebastian Ott (Bern, Switzerland), Sebastian Ott, Stefano Rimoldi, Emrush Rexhaj, Robert Von Arx, Stefano Di Marchi, Roman Brenner, Urs Scherrer, Bernhard Meier, Matthias Gugger, Yves Allemann, Christian Seiler
OA4760	**Effects of co-existing asthma and OSA on objectively measured sleep and systemic inflammation** Fredrik Sundbom (Uppsala, Sweden), Fredrik Sundbom, Eva Lindberg, Andrei Malinovschi, Christer Janson
OA4761	**Adaptive servoventilation (ASV) decreases unplanned hospitalisations in chronic heart failure (CHF) patients with central sleep apnoea (CSA): The French multicentre, prospective FACE cohort study** Renaud Tamisier (Grenoble, France), Renaud Tamisier, Thibaud Damy, Jean-Marc Davy, Patrick Levy, Laurent Morin, Jean-Louis Pepin, Marie-Pia D'Ortho

Room 13.1 Session 498 08:30 - 10:30

Oral presentation: Early life matters: prematurity and risk factors for asthma

Chairs : Stephen Turner (Aberdeen, United Kingdom), Liesbeth Duijts (Rotterdam, Netherlands)

OA4762	**LATE-BREAKING ABSTRACT: Does grandmaternal smoking increase the risk of asthma in grandchildren?** Caroline Lodge (Melbourne, Australia), Caroline Lodge, Adrian Lowe, Shyamali Dharmage, David Olsson, Bertil Forsberg, Lennart Bråbäck
OA4763	**Better respiratory outcomes for extremely preterm born children** Merete S. Engeseth (Bergen, Norway), Merete S. Engeseth, Hege Clemm, Ola Røksund, Knut øymar, Trond Markestad, Thomas Halvorsen, Maria Vollsæter
OA4764	**Longitudinal lung volume data in preterm children from infancy to early childhood** Anne Schmidt (London, United Kingdom), Anne Schmidt, Sophie Yammine, Elena Proietti, Oliver Fuchs, Barbara Egger, Claudia Kuehni, Philipp Latzin, Urs Frey
OA4765	**Fetal exposure to pregnancy complications and respiratory health in childhood: A longitudinal study** Giancarlo Pesce (Verona, Italy), Giancarlo Pesce, Alessandro Marcon, Pierpaolo Marchetti, Lucia Calciano, Linda Guarda, Paolo Ricci, Vanda Pironi, Roberto De Marco
OA4766	**Prenatal and infant paracetamol exposure and development of asthma** Maria Christine Magnus (Oslo, Norway), Maria Christine Magnus, øystein Karlstad, Siri Eldevik Håberg, Per Nafstad, George Davey Smith, Wenche Nystad
OA4767	**Infant weight trajectories and early childhood wheezing: The NINFEA birth cohort study** Maja Popovic (Turin, Italy), Maja Popovic, Costanza Pizzi, Franca Rusconi, Claudia Galassi, Franco Merletti, Lorenzo Richiardi
OA4768	**Content of omega-3 fatty acids partially explains the asthma-protective effect of unprocessed cow's milk** Tabea Brick (Munich, Germany), Tabea Brick, Yvonne Schober, Christian Böcking, Juha Pekkanen, Jon Genuneit, Jean-Charles Dalphin, Josef Riedler, Roger Lauener, Andreas Nockher, Harald Renz, Charlotte Braun-Fahrländer, Erika V. Muitus, Markus Ege, Petra Ina Pfefferle
OA4769	**Risk factors for chronic non-specific cough in 0-2 year olds: A cohort study** Maja Jurca (Bern, Switzerland), Maja Jurca, Alban Ramette, Ben Spycher, Myrofora Goutaki, Jingying Wang, Philipp Latzin, Erol Gaillard, Claudia Kuehni

Room 2.1 Session 499 08:30 - 10:30

Oral presentation: Paediatric asthma and allergy: e-health in management

Chairs : Marielle Pijnenburg (Rotterdam, Netherlands), Alexander Möller (Zurich, Switzerland)

OA4770	**LATE-BREAKING ABSTRACT: A randomized controlled trial of early probiotic supplementation to prevent early markers of asthma for high-risk infants** Michael Cabana (San Francisco, United States of America), M. Cabana, M. McKean, A. Caughey, R. Leong, A. Wong, J. Hilton, H. Boushey
OA4771	**E-monitoring of asthma therapy to improve compliance in children (E-MATIC)** Erwin Vasbinder (Rotterdam, Netherlands), Erwin Vasbinder, Lucas Goossens, Hettie Janssens, Brenda De Winter, Liset Van Dijk, Arnold Vulto, Maureen Rutten-van Mölken, Patricia Van den Bemt
OA4772	**Randomised control trial to investigate whether electronic adherence monitoring with reminder alarms and feedback can improve clinical outcomes in childhood asthma** Robert Morton (Sheffield, United Kingdom), Robert Morton, Mark Everard, Heather Elphick
OA4773	**Exploring the attitudes of adolescents with asthma towards monitoring and sharing of data on their inhaler use** Sam Howard (Nottingham, United Kingdom), Sam Howard, Alexandra Lang, Caroline Youle, Harish Vyas, Sarah Sharples, Dominick Shaw
OA4774	**Parental involvement and tele-monitoring decreases unscheduled outpatient visits in pediatric asthma patients** Mihai Craiu (Bucuresti, Romania), Mihai Craiu, Iustina Violeta Stan, Valentina Comanici, Maria Tanasie
OA4775	**Improvement in asthma control and airway inflammation during a period of electronic monitoring** Anja Jochmann (Basel, Switzerland), Anja Jochmann, Prasad Nagakumar, Pippa Hall, Angela Jamalzadeh, Luca Artusio, Sejal Saglani, Andrew Bush, Louise Fleming
OA4776	**Cost-effectiveness of FeNO- and web-based monitoring in pediatric asthma management** Sandra Voorend-van Bergen (Rotterdam, Netherlands), Sandra Voorend-van Bergen, Thijs Beerthuizen, Wilbert Van den Hout, Anja Vaessen-Verberne, Hein Brackel, Anneke Landstra, Norbert Van den Berg, Johan De Jongste, Peter Merkus, Mariëlle Pijnenburg, Jacob Sont
OA4777	**A virtual asthma clinic for children: Improved asthma control, less hospital visits** Lara van den Wijngaart (Nijmegen, Netherlands), Lara Van den Wijngaart, Jolt Roukema, Peter Merkus

Room 4.1 Session 500 08:30 - 10:30

Oral presentation: Innovations in noninvasive ventilation: is it always gold that glitters?

Chairs : Michael Dreher (Aachen, Germany), Annia Fleur Schreiber (Turin, Italy)

OA4778	**Evaluation of the educational outcomes of simulation-based training (SBT) for NIV** Michelle Chatwin (London, United Kingdom), Michelle Chatwin, Alanna Hare, Pascal Kurosinski, Dion Martin, Anita Simonds
OA4779	**Home clinical telemonitoring and domiciliar pneumologic medical assistance in amyotrophic lateral sclerosis ventilated patients** Cinzia Ferrero (Rivalta, Italy), Cinzia Ferrero, Marco Bardessono, Giuseppe Tabbia, Michela Bellocchia, Lucia Selvaggi, Andrea Calvo, Cristina Moglia, Jacopo Bellinati, Annalisa Carlucci, Cesare Gregoretti, Caterina Bucca, Alessio Mattei
OA4780	**Home mechanical ventilation (HMV): Setup and outcome in Europe** Maxime Patout (Rouen, France), Maxime Patout, Michelle Ramsay, Mike Mackie, Elodie Lhuillier, Nathalie Grey, Gill Arbane, Philip Marino, Joerg Steir, Antoine Cuvelier, Jean-François Muir, Patrick Brian Murphy, Nicholas Hart
OA4781	**Prognostic value of residual hypoventilation in mechanically ventilated neuromuscular patients: A 5 years follow-up study** Adam Ogna (Paris, France), Adam Ogna, Julie Nardi, Hélène Prigent, Maria-Antonia Quera Salva, Sylvie Chevret, Djillali Annane, David Orlikowski, Frederic Lofaso
OA4782	**Extracorporeal CO2 removal in stable severe hypercapnic COPD patients non-responding to noninvasive ventilation (NIV): A pilot study** Lara Pisani (Bologna, Italy), Lara Pisani, Nadia Corcione, Eva Tonveronachi, Luca Fasano, Marco Ranieri, Aldo Guerrieri, Stefano Nava
OA4783	**The efficacy of noninvasive positive pressure ventilation in patients with obesity hypoventilation syndrome according to the android/gynoid fat ratio and position of ventilation** Irina Umarova (Saint Petersburg, Russian Federation), Irina Umarova, Olga Balionis, Alexander Gorelov
OA4784	**Effect of NIV on right heart function assessment by two-dimensional speckle-tracking echocardiography (2D-STE) in patients with OSAS** Anna Michela Gaeta (Solofra, Italy), Anna Michela Gaeta, Antonello D'Andrea, Mariano Mazza, Anna Annunziata, Gianfranco Scotto di Frega, Antonella Marotta, Giuseppe Fiorentino

OA4785 **Evaluation of cardiovascular risk after long-term c-PAP therapy in patients with obstructive sleep apnea. A 4-year follow-up**
Pierluigi Carratù (Bari, Italy), Pierluigi Carratù, Annapaola Zito, Vitaliano Quaranta, Rossella Carbonara, Fiorella Devito, Onofrio Resta, Marco Ciccone

Room Emerald Session 501 08:30 - 10:30

Oral presentation: Management of asthma and COPD in primary care

Chairs : Niels Chavannes (Leiden, Netherlands), Hilary Pinnock (Edinburgh, United Kingdom)

OA4786 **LATE-BREAKING ABSTRACT: Prevalence of comorbidities in patients with asthma-COPD overlap syndrome (ACOS) in primary care**
Job van Boven (Groningen, Netherlands), Job F.M. van Boven, Miguel Román-Rodríguez, José F. Palmer, Nuría Toledo, Borja G. Cosío, Joan B Soriano

OA4787 **Microspirometry as a 'point of care' test to enhance the diagnostic process of COPD in primary care; results of a cluster-randomised trial**
Lisette Van den Bemt (Nijmegen, Netherlands), Lisette Van den Bemt, Joke Grootens, Riet Cretier, Reinier Akkermans, Joke Denis, Patrick Poels, Tjard Schermer

OA4788 **An observational study of age-related smoking status in COPD patients stratified by severity of airflow obstruction**
Lynn Josephs (Christchurch, United Kingdom), Lynn Josephs, Matthew Johnson, Rosanna Orlando, David Culliford, Paul Roderick, Mike Thomas

OA4789 **One year with certified asthma and COPD-clinics in Skåne, Sweden**
Kerstin Romberg (Falsterbo, Sweden), Kerstin Romberg, Mattias Wieloch, Magnus Kåregård, Leif Bjermer, Birgitta Jagorstrand

OA4790 **Prevalence of asthma and management of exacerbations in general practice (GP) after computerised Spanish guideline on the management of asthma (GEMA) and collaborative care environment**
Sandra Dorado Arenas (Bilbao (Bizkaia), Spain), Sandra Dorado, Silvia Pascual, Isabel Urrutia, Mª Iciar Arrizubieta, Leire Sainz de Aja, Ane Antón, José María Quintana, Urko Aguirre, Mateo Larrauri, Begoña Gutiérrez, Rafael Arruabarrena, José Luis Bilbao, José Ferri, Ane Uranga, Amaia García, Helena Azcuna, Amaia Aramburu, Txomin Zabala, Amaia Artaraz, Aitor Ballaz, Alberto Capelastegui

OA4791 **Comparative audit of asthma management in the easy asthma clinic and general out-patient clinic**
Watchara Boonsawat (Khon Kaen, Thailand), Watchara Boonsawat, Prapai Wattranagri, Kriddhiya Sriprasert

OA4792 **Non-adherence to asthma medications: Relation to socio-economic status and asthma education**
Soham Mazumdar (Kolkata, India), Soham Mazumdar, Subhajit Ghosh, Suranjan Mukherjee

OA4793 **Respiratory effectiveness group study: Predictors of frequent severe asthma exacerbations**
David Price (Aberdeen, United Kingdom), Mike Thomas, David Price, John Blakey, Lynn Josephs, Ian Pavord, Borislav Dimitrov, Dirkje Postma, Alberto Papi, Alexandra Dima, Todor Popov, Hilary Pinnock, Iain Small, Alan Kaplan, Cynthia Rand, Janet Holbrook, Emilio Pizzichini, Gene Colice, Sam Walker, Annie Burden, Vasilis Nikolaou

Room E104-106 Session 502 08:30 - 10:30

Poster discussion: COPD: notable points

Chairs : Mohankumar Thekkinkattil (Coimbatore, India), Marjolein Brusse-Keizer (Enschede, Netherlands)

PA4794 **Serum leptin, adponectin and its tissue expression in COPD patients with osteopenic syndrome**
Evgenia A. Kochetkova (Strasbourg, France), Ludmila Ugay, Evgenia Kochetkova, Vera Nevzorova

PA4795 **Co-morbidities of adult smokers at risk of COPD evaluated in a 6-year prospective study**
Tuula Toljamo (Rovaniemi, Finland), Tuula Toljamo, Anna Hamari, Marjo Sotkasiira, Pentti Nieminen

PA4796 **Are acute changes in CO_2 measurable with transcutaneous technique in patients with very severe chronic obstructive pulmonary disease?**
Thea Faaborg (Skørping, Denmark), Thea H. Faaborg, Lars P. Thomsen, Stephen E. Rees, Ulla M. Weinreich

PA4797 **The effect of statin therapy in patients with chronic obstructive airway disease**
Hamdy Ali Mahmoud (Naser City, Egypt), Hamdy Ali Mohammadien Mahmoud, Faten Omeran, Emen Ahmed

PA4798 **Six minute walk distance (6MWD) and pulmonary diffusing capacity (DL_{CO}) in patients with COPD**
Ekaterina Kochetova (Petrozavodsk, Republic of Karelia, Russian Federation), Ekaterina Kochetova

PA4799 **Is COPD an independent predictor of osteoporosis?**
Geeshath Jayasekera (Glasgow, United Kingdom), Geeshath Jayasekera, Lyn Lavelle, David Anderson

PA4800 **Patterns of initial treatment for COPD according to clinical phenotypes in Catalonia**
Miriam Barrecheguren Fernandez (Barcelona, Spain), Miriam Barrecheguren, Mónica Monteagudo, Carles Llor, Eulalia Borrell, Cristina Esquinas, Jaume Ferrer, Marc Miravitlles

PA4801 **Impact of heart failure (HF) on COPD misdiagnosis in primary care**
Ivan Vishnivetsky (Kiev, Ukraine), Ivan Vishnivetsky, Iryna Boichenko, Anastasiia Borovtsova

PA4802 **COPD: Inhaled corticosteroid (ICS) and long-acting beta2-agonist (LABA) combination and oxygen saturation (OS) in patients (pts) with different plasma surfactant protein D (SP-D) level**
Nataliia Kravchenko (Dniepropetrovsk, Ukraine), Tetyana Pertseva, Kateryna Gashynova, Nataliia Kravchenko

PA4803 **Role of matrix metalloproteinase in predicting of COPD stability**
Bogdana Basina (Dnipropetrovsk, Ukraine), Bogdana Basina, Tetyana Pertseva, Lyudmila Konopkina

PA4805 **Effects of opioids on breathlessness and exercise capacity in chronic obstructive pulmonary disease: A systematic review and meta-analysis**
Magnus Ekstrom (Lyckeby, Sweden), Magnus Ekström, Fredrik Nilsson, Amy Abernethy, David Currow

PA4806 **Relationship between annual change of bone mineral density, emphysema and pulmonary function in patients with COPD**
Kenichi Goto (Otsu, Japan), Kenichi Goto, Emiko Ogawa, Nguyen Van Tho, Yoshiki Kawata, Hidenobu Suzuki, Mikio Matsuhiro, Hironi Makita, Katsura Nagai, Noboru Niki, Masaharu Nishimura, Yasutaka Nakano, Hokkaido COPD Cohort Study Investigators

PA4807 **Prevalence and underdiagnosis of COPD in patients with ischemic heart disease demonstrated by coronary angiography. Prognostic implications**
Annie Navarro Rolon (Barcelona, Spain), Annie Navarro, Ana Maria Lapuente, Julia Pareja, Angela Barrera, Sergi Yun, Alejandro De La Sierra, Jose Luis Heredia, Pere Almagro

PA4808 **Noninvasive ventilation in acute respiratory failure caused by non-cystic fibrosis bronchiectasis and chronic obstructive pulmonary disease**
Alizamin Sadigov (Baku, Azerbaijan), Alizaman Sadigov, Konul Bakhshaliyeva, Tabib Ibrahimov, Jeyhun Ismailzadeh

PA4809 **Relation between vitamin D levels and anxiety and depression in COPD patients**
Derya Kocakaya (Istanbul, Turkey), Derya Kocakaya, Ozan Kocakaya, Berrin Bagci Ceyhan

PA4810 **Circulating levels of IGF-I and IGFBP-3 in patients with COPD**
Ümran Toru (Kütahya, Turkey), ümran Toru, Ceylan Ayada, Osman Genç, Server Sahin, özlem Arik, Ismet Bulut

Room G102-103 Session 503 08:30 - 10:30

Poster discussion: Physiotherapy outcomes and treatment in different patient profiles

Chairs : Rainer Gloeckl (Schoenau am Koenigssee, Germany), Agnieszka Lewko (London, United Kingdom)

PA4811 **Comparison of peak exercise responses between survivors of adult respiratory distress syndrome with age and sex matched healthy adults**
Jennifer Mackney (Callaghan, Australia), Jennifer Mackney, Sue Jenkins, Daniel Robins, Ken Havill, Megan Harrold, Kylie Hill

PA4812 **The clinical usefulness of manual muscle testing (MMT) in difficult-to-wean (DTW) patients**
Lauren Hogg (London, United Kingdom), Thomas Lunn, Lynn McDonnell, Leyla Osman, Alex Curtis, Ruth Kent, Gemma Cox, Nicholas Hart, Lauren Hogg

PA4813 **Effects of respiratory physiotherapy by expiratory flow increase in controlled mechanical ventilated patients with bronchial obstruction**
Anne Freynet (Bordeaux, France), Anne Freynet, Guillaume Gobaille, Antoine Dewitte

PA4814 **Assessing electrically quadriceps induced torque in critically ill patients**
Larissa Vieira Santana (Brasilia, Brazil), Larissa Santana, Natalia Pinto, Andre Souza, Marcelino Andrade, Paulo Silva, Luciana Vieira, Gerson Cipriano Jr, Joao Luiz Durigan, Vinicius Maldaner

PA4815 **Reliability of hand-held dynamometer for assessment of electrically induced torque in critically ill patients**
Vinicius Zacarias da Silva (Brasilia, Brazil), Vinicius Silva, Larissa Santana, Natalia Pinto, Joao Luiz Durigan, Gerson Cipriano, Luciana Urache, Paulo Eugenio Silva

PA4816 **Dyspnea and exercise intolerance in breast cancer survivors: The role of inspiratory muscle weakness**
Daniel Langer (Leuven, Belgium), Daniel Langer, Katherine Webb, Amany Elbehairy, Alberto Neder, Deborah Dudgeon, Denis O'Donnell

PA4817 **Improvement in physical performance and health-related quality of life one year after radical operation for primary or secondary lung cancer**
Barbara C. Brocki (Aalborg SV, Denmark), Barbara C. Brocki, Jan J. Andreasen, Elisabeth Westerdahl, Domingos S.R. De Souza

PA4818 **Mucociliary clearance in patients submitted thoracic surgery subject to deep breath and positive pressure**
Ana Paula Coelho Figueira Freire (Presidente Prudente, Brazil), Francis Lopes Pacagnelli, Caroline Pereira Santos, Marcela Rascoviti, Carlos Alberto Alvim Franzini Junior, Juliana Gonçalves Finoti, Ana Paula Coelho Figueira Freire, Marceli Rocha Leite, Giovana Navarro Bertolini, Ercy Mara Cipulo Ramos

PA4819 **Intensity and duration of exercise on inflammatory markers and oxidative stress in patients with heart failure**
Giane Ribeiro-Samora (Belo Horizonte, Brazil), Giane Ribeiro-Samora, Mariana Hoffman Barbosa, Luiza Antas Rabelo, Glaucevane Silva Guedes, Michelle Favero, Leani Máximo Pereira, Raquel Rodrigues Britto, Verônica Franco Parreira

PA4820 **Effects of severe fatigue on pulmonary functions, dyspnea, muscle strength, exercise capacity and quality of life in allogeneic hematopoietic stem cell transplantation recipients**
Meral Bosnak Güçlü (Ankara, Turkey), Gülsah Bargi, Meral Bosnak Güçlü, Zeynep Sahika Aki, Gülsan Türköz Sucak

PA4821 **Comparison of exercise capacity, respiratory and peripheral muscle strength and dyspnea in patients with interstitial lung disease with and without chronotropic incompetence**
Meral Bosnak Güçlü (Ankara, Turkey), Burcu Camcioglu, Meral Bosnak-Güçlü, Müserrefe Nur Karadalli, Nurdan Köktürk, Haluk Türktas

PA4822 **Comparison of functional exercise capacity, muscle strength, anaerobic power and capacity in patients with malnourished non-cystic bronchiectasis and healthy controls**
Meral Bosnak Güçlü (Ankara, Turkey), Meral Bosnak Güçlü, Sema Savci, Deniz Inal Ince, Melda Saglam, Hülya Arikan, Ugur özçelik

PA4823 **A comparison of aerobic and anaerobic capacity in children with primary ciliary dyskinesia and healthy peers**
Senem im ek (Ankara, Turkey), Senem Simsek, Deniz Inal Ince, Aslihan Cakmak, Ebru Calik Kutukcu, Melda Saglam, Naciye Vardar Yagli, Nagehan Emiroglu, Ugur Ozcelik, Hazal Sonbahar, Cemile Bozdemir Ozel, Hülya Arikan, Nural Kiper

PA4824 **Clinical determinants of the incremental shuttle walk test in patients with interstitial lung disease**
Meral Bosnak Güçlü (Ankara, Turkey), Müserrefe Nur Karadalli, Meral Bosnak-Güçlü, Burcu Camcioglu, Nurdan Köktürk, Haluk Türktas

PA4825 **Electrical activity behavior of respiratory and peripheral muscles during incremental shuttle walking test in asthmatic subjects**
Vanessa Resqueti Fregonezi (Natal- Rio Grande do Norte, Brazil), Vanessa Resqueti, Jéssica Cavalcanti, Kardec Alecxandro Aguiar, Lucien Gualdi, Antônio Sarmento, Ingrid Guerra, Armele de Fátima Dornelas de Andrade, Guilherme Fregonezi

PA4826 **Functional capacity and peripheral muscle strength are reduced in asthmatic children and teenager**
Mariana Reimberg (São Paulo, Brazil), Mariana Reimberg, átila Alves dos Santos, Crislaine Santos, Beatriz Rodrigues Santos, Rejane Agnelo Silva de Castro, Matheus Elias Pacheco, Gustavo Falbo Wandalsen, Dirceu Solé, Simone Dal Corso, Fernanda De Cordoba Lanza

PA4827 **Relationship between daily life activities and upper extremity exercise capacity in patients with pulmonary arterial hypertension**
Buse Özcan (Izmir, Turkey), Buse Ozcan, Sema Savci, Ismail Ozsoy, Serap Acar, Bahri Akdeniz, Ebru Ozpelit, Can Sevinc

PA4828 **Accuracy of piezoelectric pedometer step counts in different wearing locations**
Alda Sofia Pires de Dias Marques (Aveiro, Portugal), Joana Cruz, Dina Brooks, Alda Marques

Room G104-105 Session 504 08:30 - 10:30

Poster discussion: Lung cancer therapy: clinical trials

Chairs : Konstantinos Zarogoulidis (Thessaloniki, Greece), Rainer G. Wiewrodt (Münster, Germany)

PA4829 **Survival in elderly patients undergoing lung resection for lung cancer**
Marija Kojicic Vukoja (Sremska Kamenica, Republic of Serbia), Marija Vukoja, Ivan Kopitovic, Dejan Djuric, Dragana Milicic, Aleksandar Bokan, Radmila Cikara

PA4830 **Outcomes of radical treatment of early stage non-small cell lung cancer**
Carissa Yap (Burnside , Australia), Carissa Yap, Paul Hakendorf, Richard Woodman, David Lance, John Leung, Jeffrey Bowden, Anand Rose

PA4831	**Improved survival associated with neoadjuvant chemoradiation and surgery vs other means of treatment for NSCLC N2 patients (clinical stage IIIa and IIIb)** Aivars Berzins (Moers, Germany), Aivars Berzins, Uldis Kopeika, Petar Traykov, Joachim Kolb, Karl Otto Kambartel, Thomas Voshaar, Thomas Krbek
PA4832	**Impact of early weight loss during concurrent chemoradiotherapy on survival in advanced stage NSCLC patients** Karin Sanders (Maastricht, Netherlands), K.J.C. Sanders, L.E. Hendriks, E.G.C. Troost, G.P. Bootsma, A.M.W.J. Schols, A.-M.C. Dingemans
PA4833	**Accelereated hyperfractionated radiotherapy with uneven crushing daily dose in chemoradiation treatment of inoperable non-small cell lung cancer** Yury Ragulin (Obninsk, Kaluga Oblast, Russian Federation), Yury Ragulin, Danil Gogolin, Igor Gulidov, Yury Mardynsky, Irina Ivanova, Larisa Kursova
PA4834	**Results of stereotactic radiation therapy (SRT) on unique cerebral metastases from lung adenocarcinomas** Marie Bernardi (Lyon, France), Marie Bernardi, Marie-Pierre Sunyach, Ronan Tanguy
PA4835	**Clinical and therapeutic characteristics of patients died due to radiation-induced pneumonitis** David Angel Yabar Bedoya (Barcelona, Spain), David Yabar, Arturo Navarro, Susana Padrones, Ramón Palmero, Jordi Dorca, Samantha Aso
PA4836	**Metronomic chemotherapy in human lung cancer: Mathematical modeling for an optimal schedule** Xavier Elharrar (Sausset-Les-Pins, France), Xavier Elharrar, Dominique Barbolosi, Joseph Ciccolini, Christophe Meille, Christian Faivre, Bruno Lacarelle, Nicolas André, Fabrice Barlesi
PA4837	**Maintenance therapy with pemetrexed in non-small-cell lung cancer: Impact on survival** Daniel Carlos Silva Vaz (Porto, Portugal), Daniel Vaz, Sérgio Campainha, Ana Antunes, Sara Conde, Ana Barroso
PA4838	**Combination of oral and parenteral vinorelbine with cisplatin or carboplatin in adjuvant chemotherapy of nonsmall cell lung cancer - SWITCH study** Vít zslav Kolek (Olomouc, Czech Republic), Vitezslav Kolek, Ivona Grygarkova, Leona Koubkova, Tereza Janaskova, Jana Skrickova, Jaromir Roubec
PA4839	**Chemotherapy beyond 3rd line in NSCLC – A retrospective analysis** Sebastian Thiel (Berlin, Germany), Sebastian Thiel, Daniel Misch, Crolow Catharina, Torsten Blum, Christian Boch, Jens Kollmeier, Torsten Bauer
PA4840	**Gefitinib as first-line treatment for patients with NSCLC with activating EGFR mutationin exons 19 (Del19) or 21 (L858R) in the Czech Republic** Jana Sk i ková (Brno, Czech Republic), Jana Skrickova, Zbynek Bortlicek, Karel Hejduk, Milos Pesek, Vitezslav Kolek, Leona Koubkova, Jaromir Roubec, Libor Havel, Frantisek Salajka, Marcela Tomiskova, Monika Satankova
PA4841	**Homozygous deletion of PTEN and poor outcomes in EGFR mutant NSCLC patients with gefitinib therapy** Ying-ying Gu (Guangzhou, China), Juhong Jiang, Yingying Gu
PA4842	**Efficiency of erythropoiesis-stimulating agents (ESA) in the treatment of chemotherapy-induced anemia in patients with lung cancer (LC)** Angelica Tiotiu (Vandoeuvre-les-Nancy, France), Angelica Tiotiu, Isabelle Clerc-Urmès, Yves Martinet
PA4843	**Assesment of palliative care in lung cancer in Turkey (ASPECT study)** Yilmaz Bülbül (Trabzon, Turkey), Yilmaz Bulbul, Tevfik Ozlu, Sibel Arinc, Berna A. Ozyurek, Hulya Gunbatar, Aysegul Senturk, Ayse Bahadir, Melike Ozcelik, Ufuk Yilmaz, Makbule Ozlem Akbay, Leyla Saglam, Talat Kilic, Gamze Kirkil, Neslihan Ozcelik, Dursun Tatar, Serap Argun Baris, Mehmet Yavsan, Hatice Selimoglu Sen, Serdar Berk, Murat Acat, Gulfidan Cakmak, Perran Fulden Yumuk, Yavuz Selim Intepe, Umran Toru, Sibel O. Ayik, Ilknur Basyigit, Sibel Ozkurt, Levent Cem Mutlu, Zehra Asuk Yasar, Hidir Esme, Muharrem Erol, Ozlem Oruc, Yurdanur Erdogan, Selvi Asker, Arife Ulas, Serhat Erol, Bugra Kerget, Ahmet Emin Erbaycu, Turgut Teke, Mehmet Besiroglu, Huseyin Can, Fahrettin Talay
PA4844	**Impact on survival of history of diabetus mellitus in NSCLC patients** Efimia Boutsikou (Thessaloniki, Greece), Sofia Lampaki, Efimia Boutsikou, Paul Zarogoulidis, Ellada Eleptheriadou, Dionisis Spyratos, Konstantinos Zarogoulidis
PA4845	**Perception of the disease and its impact on life in lung cancer patients** Silvija Zemnickiene (Vilnius, Lithuania), Silvija Zemnickiene, Rasa Gauronskaite, Ruta Kibarskyte, Irina Liustrickyte, Vaida Gedvilaite, Edvardas Danila

Room G106-107 Session 505 08:30 - 10:30

Poster discussion: New insights into IIPs

Chairs : Francesco Bonella (Düsseldorf, Germany), Sara Tomassetti (Forli, Italy)

PA4846	**Contribution of epithelial-to-mesenchymal transition to phenotypic changes in idiopathic interstitial pneumonias** Gunnar Gudmundsson (Seltjarnarnes, Iceland), Gunnar Gudmundsson, Bryndis Valdimarsdottir, Ari Jon Arason, Magnus Karl Magnusson, Helgi Isaksson, Thorarinn Gudjonsson
PA4847	**Diagnostic utility of surgical lung biopsies in elderly patients with interstitial lung diseases** Laszlo Vaszar (Scottsdale, United States of America), Laszlo Vaszar, Brandon Larsen, Jay Ryu, Lewis Wesselius, Karen Swanson, Robert Viggiano, Henry Tazelaar
PA4848	**Clinical course and changes in high-resolution computed tomography findings in patients with idiopathic pulmonary fibrosis without honeycombing** Hiroyoshi Yamauchi (Tochigi, Japan), Hiroyoshi Yamauchi, Masashi Bando, Tomohisa Baba, Kensuke Kataoka, Yoshikazu Inoue, Yoshihito Yamada, Hiroshi Yamamoto, Kentaro Watanabe, Yasuhiro Terasaki, Akira Hebisawa, Yoshinori Kawabata, Takeshi Johkoh, Fumikazu Sakai, Yukihiko Sugiyama, Takashi Ogura
PA4849	**Genetic testing in idiopathic interstitial pneumonia** Nadia Nathan (Paris, France), Nadia Nathan, Raphaël Borie, Caroline Kannengiesser, Florence Dastot Le Moal, Hilario Nunes, Dominique Valeyre, Martine Reynaud-Gaubert, Sylvain Marchand-Adam, Jean-Marc Naccache, Grégoire Prevot, Guillaume Lezmi, Christophe Delacourt, Dominique Israël Biet, Caroline Thumerelle, Antoine Deschildre, Christophe Marguet, Philippe Reix, Vincent Cottin, Marie-Laure Dalphin, Anne Gondouin, Clément Picard, Violaine Giraud, Claire Dromer, Marie Legendre, Laurent Gouya, Bruno Crestani, Annick Clement, Serge Amselem
PA4850	**Can IL-4Ralpha and PAR-2 in bronchoalveolar lavage fluid serve as biomarker of fibroproliferative healing in interstitial lung diseases?** Martina Vašáková (Prague, Czech Republic), Martina Vasakova, Martina Sterclova, Peter Paluch, Veronika Polcova, Radoslav Matej, Jelena Skibova
PA4851	**Classification of different ABCA3 mutations causing interstitial lung disease** Thomas Wittmann (Munich, Germany), Thomas Wittmann, Ulrike Schindlbeck, Stefanie Höppner, Susanna Kinting, Gerhard Liebisch, Ralf Zarbock, Matthias Griese
PA4852	**Quality of life in interstitial lung disease: Utility of the Kings brief interstitial lung disease questionairre at baseline** Nicole Taylor (Sydney , Australia), Nicole Taylor, Susanne Webster, Nathaniel Marshall, Clair Lake, Lissa Spencer, Lauren Troy, Paul Torzillo, Tamera Corte
PA4853	**Prospective study of feasibility and safety of bronchoscopic transbronchial cryprobe biopsies in interstitial lung disease: Initial experience of an Irish interstitial lung disease centre** Mohamed Elshafi (Cork, Ireland), Mohamed Elshafi, Joanne O'Donovan, Kashif Khan, Louise Burke, Abirami Subramaniam, Marcus Kennedy, Desmond Murphy, Barry Plant, Michael Henry
PA4854	**Transforming growth factor B1 polymorphism and serum levels in interstitial lung diseases** Rana El-Helbawy (Shebin El-Kom, Egypt), Rana El-Helbawy, Sami Eldahdoh, Rania Elshzly, Ashraf Dawood
PA4855	**A 12-week combination of clarithromycin and prednisone for the treatment of cryptogenic and radiation-induced organising pneumonia** Nicolas Petitpierre (Bursins, Switzerland), Nicolas Petitpierre, Romain Lazor, Sylvain Marchand-Adam, Vincent Cottin, Isabelle Court-Fortune, Sandrine Hirschi, Dominique Rigaud, Stéphane Jouneau, Jean-François Cordier, The Groupe d'Etudes et de Recherche sur les Maladies ²Orphelines²
PA4856	**The clinical value of surgical lung biopsy in 166 patients with suspected interstitial lung disease** Lisa Nicol (Tillicoultry, United Kingdom), Lisa Nicol, David McAllister, Catriona Graham, Pauline McFarlane, Gareth Stewart, Sarah Howie, William Wallace, John Murchison, Nik Hirani
PA4857	**Multidisciplinary board for interstitial lung disease: Relevance for real life?** Sabina Guler (Bern, Switzerland), Sabina Guler, Sabina Anna Berezowska, Andreas Christe, Geiser Thomas, Funke Manuela
PA4858	**Interstitial pulmonary fibrosis model develpment and identification of early biomarkers by MALDI imaging** Mary McElroy (Edinburgh, United Kingdom), Mary Mcelroy, David Bonnel, Emeline Falaux, Gael Picard de Muller, Fabien Pamelard, Claudio Petterino, Stuart Naylor, Stephen Madden, Jonathan Stauber
PA4859	**Imaging pattern in interstitial lung diseases using probe based confocal laser endomicroscopy (pCLE)** Frank Reichenberger (Gauting, Germany), Edith Silbernagel, Wolfgang Gesierich, Michael Lindner, Alicia Morresi-Hauff, Juergen Behr, Frank Reichenberger
PA4860	**Clinical characteristics of patients with unclassifiable interstitial lung disease** Fotios Drakopanagiotakis (Giessen, Germany), Fotios Drakopanagiotakis, Mustapha El-Guelai, Philippe Bonniaud, Carlo Vancheri, Bruno Crestani, Jasmin Wagner, Athol Wells, Andreas Guenther
PA4861	**Cardiopulmonary exercise testing in interstitial lung disease** Christina Priegnitz (Solingen, Germany), Christina Priegnitz, Lars Hagmeyer, Ilona Kietzmann, Kerstin Richter, Winfried Randerath

PA4862	**Comparison of densitometric and visual scoring in the assessment of severity of idiopathic fibrotic interstitial pneumonias: Preliminary observations** Marina De Martino (Naples, Italy), Marina De Martino, Gaetano Rea, Tullio Valente, Annalisa Capaccio, Angelo Canora, Francesco Lassandro, Marialuisa Bocchino
PA4863	**The analysis of prognostic factors in patients with interstitial lung diseases** Akira Shiraki (Ogaki, Japan), Akira Shiraki, Morihide Ando, Takashi Abe, Harunori Nakashima, Michiko Hibi, Hirohisa Kano, Show Hori

Room 13.2 Session 506 08:30 - 10:30

Poster discussion: Advances in therapeutic bronchoscopy

Chairs : Antoni Rosell Gratacos (Barcelona, Spain), Ralf Eberhardt (Heidelberg, Germany)

PA4864	**LATE-BREAKING ABSTRACT: Treating the most diseased segments in patients with severe emphysema: 6 month results from the STEP-UP randomized controlled trial (RCT)** Felix J.F. Herth (Heidelberg, Germany), Felix J.F. Herth, Arschang Valipour, Ralf Eberhardt, Christian Grah, Jim Eagan, Joachim Ficker, Manfred Wagner, Pallav Shah, Christian Witt, Uta Liebers, Daniela Gompelmann, Peter Hopkins, Wolfgang Gesierich, Martin Phillips, Franz Stanzel, Christoph Petermann, Greg Snell
PA4865	**Tracheal and bronchial granular cell tumours: A French retrospective study on 30 patients** Maxime Roger (Rouen, France), Maxime Roger, Samy Lachkar, Mathieu Salaun, Michel Febvre, Jean Michel Vergnon, Luc Thiberville
PA4866	**Tracheobronchial injuries: Our personal experience on 19 cases** Luis Filipe Pires Martins (Lisbon, Portugal), Luís Martins, Salvato Feijó, Paula Monteiro, José Gonçalves, Cristina Bárbara
PA4867	**Noninvasive ventilation assisted interventional bronchoscopy for hypoxemia patients with central airway stenosis** Xiao-Ke Chen (Shenzhen , China), Xiao-ke Chen, Yi -ping Zhou
PA4868	**Bronchoscopic dissection** Franz Stanzel (Hemer, Germany), Franz Stanzel, Uta Wuelfing, Ulrich Klein
PA4869	**Bronchoscopic management of post intubation tracheal stenoses** Luis Filipe Pires Martins (Lisbon, Portugal), Luis Martins, Cátia Santos, Salvato Feijó, Paula Monteiro, J. Rosal Gonçalves, Cristina Bárbara
PA4870	**Effect of paclitaxel delivered nanoparticles to treat tracheal stenosis** Ana Montes Worboys (Sevilla, Spain), Ana Montes-Worboys, Joan Gilabert-Porres, Rosa Lopez-Lisbona, Noelia Cubero-Frutos, Salvador Borros, Antoni Rosell
PA4871	**Interventional bronchoscopy in the initial management of benign and malignant tracheal stenoses** Ashraf Madkour (Cairo, Egypt), Ashraf Madkour, Ahmed Elmansoury, Samar Sharkawy
PA4872	**The place of airway stenting in the medico-surgical management of iatrogenic tracheal injuries: A 10 years retrospective analysis** Rachid Tazi Mezalek (Burgos, Spain), Rachid Tazi-Mezalek, Sophie Laroumagne, Philippe Astoul, Pascal Thomas, Hervé Dutau
PA4873	**Prognostic factors for therapeutic response after stenting in patients with benign tracheal stenosis** Milena Encheva (Sofia, Bulgaria), Milena Encheva, Hristo Yordanov, Kosta Kostov, Ventzislav Tzvetkov, Petar Chipev, Alexey Djelepov
PA4874	**Evaluation of bronchoscopic placement of tracheobronchial silicone stents: Initial Egyptian experience** Ashraf Madkour (Cairo, Egypt), Emad Korraa, Ashraf Madkour, Amany Todary, Khaled Wagieh
PA4875	**Two-year experience with the use of fully covered self-expandable metal stents** Antoni Rosell Gratacos (Barcelona, Spain), Leopoldo Carnevali, Noelia Cubero, Marta Diez, Arturo Morales, Enric Bozza, Jordi Dorca, Antoni Rosell
PA4876	**Biodegradable polydioxanone stents: Preliminary results in adult patients with tracheal narrowing** Lud k Stehlík (Prague, Czech Republic), Ludek Stehlik, Vladislav Hytych, Sarka Lefnerova, Martina Vasakova
PA4877	**Endobronchial valve treatment for bronchopleural fistulas - Is time to treatment a predictor of success?** Arve Sundset (Oslo, Norway), Arve Sundset, Inga Leuckfeld, Are Holm

PA4878 **Collapse therapy using endobronchial valves as a new approach to treat cavities in MDR tuberculosis and selected cases of mycobacteriosis: Case series report**
Lorenzo Corbetta (Florence, Italy), Lorenzo Corbetta, Pier Giorgio Rogasi, Ariela Tofani, Lucio Michieletto, Fausto Leoncini, Flavio Montinaro, Stefano Orsi, Loris Ceron

PA4879 **Inhalation of a particular foreign body: Pin scarf**
nihal souki (casablanca, Morocco), Nihal Souki, Hasna Jabri, Wiam El Khattabi, Hicham Afif

Room E102 Session 507 08:30 - 10:30

Poster discussion: Promising novel findings in translational pulmonary research

Chairs : Helmut H. Popper (Graz, Austria), Joanna Chorostowska-Wynimko (Warsaw, Poland)

PA4880 **Polymorphisms in human NRF2 is associated with susceptibility to tuberculosis**
Guiyi Ji (Chengdu, China), Guiyi Ji, Jianqing He

PA4881 **Multiplex polymerase chain reaction - An innovative clinical tool**
Poulomi Chatterjee (Gurgaon, India), Poulomi Chatterjee, Naveen Kumar, Pinky Goyal, Ashish Prakash, Bornali Datta

PA4882 **RT-PCR and IHC as the alternative methods for detection of ALK aberrations in NSCLC samples - The feasibility study**
Michal Skronski (Warsaw, Poland), Michal Skronski, Renata Langfort, Agata Gizycka, Dorota Giedronowicz, Paulina Jagus, Joanna Chorostowska-Wynimko, Renata Langfort

PA4883 **The evaluation of biological and clinical significance of alpha-1 antitrypsin in non-small cell lung cancer**
Adam Szpechci ski (Warsaw, Poland), Adam Szpechcinski, Beata Poplawska-Wisniewska, Emilia Debek, Renata Langfort, Dorota Giedronowicz, Radoslaw Struniawski, Wlodzimierz Kupis, Piotr Rudzinski, Jolanta Zaleska, Pawel Sliwinski, Tadeusz Orlowski, Kazimierz Roszkowski-Sliz, Joanna Chorostowska-Wynimko

PA4884 **EGFR mutation diagnostic program for NSCLC patients in Poland between 2011-2014**
Paulina Jagus (Warsaw, Poland), Paulina Jagus, Pawel Krawczyk, Bartosz Wasag, Iwona Rzepecka, Piotr Wójcik, Karolina Tecza, Tomasz Powrozek, Bozena Konopka, Agata Gizycka, Kamila Wojas-Krawczyk, Janusz Limon, Barbara Pienkowska-Grela, Piotr Pierzchalski, Piotr Widlak, Joanna Chorostowska-Wynimko

PA4885 **Molecular characterization of the ACVRL1 and ENG genes in patients with pulmonary arterial hypertension**
Guillermo Pousada (Vigo, Spain), Guillermo Pousada, Diego Fontán, Adolfo Baloira, Diana Valverde

PA4886 **Serum IL-17 and IL-18 levels in asthma-COPD overlap syndrome patients**
Svetlana K. Soodaeva (Moscow, Russian Federation), Svetlana Soodaeva, Larisa Postnikova, Marina Boldina, Nailja Kubysheva, Timur Li, Igor Klimanov, Lidia Nikitina

PA4887 **TNF promoter polymorphisms are associated with susceptibility and increased severity in secondary to tobacco and biomass smoke COPD in Mexican population**
Ramcés Falfán-Valencia (Mexico, Mexico), Ramcés Falfán-Valencia, Juan Reséndiz-Hernández, Raul Sansores, Alejandra Ramírez-Venegas

PA4888 **Increased interferon and decreased NRF2-PPARG signaling is associated with frequent exacerbations in COPD**
Patrick Branigan (Spring House, United States of America), Huiqing Liu, Matthew Loza, Alexander Mackay, Patrick Branigan, Nancy Peffer, Swetha Patel, Gavin Donaldson, Siobhan George, Frederic Baribaud, Jadwiga Wedzicha

PA4889 **The first U-BIOPRED blood handprint of severe asthma**
Bertrand De Meulder (Lyon, France), Bertrand De Meulder, Diane Lefaudeux, Jeanette Bigler, Matthew J. Loza, Craig E. Wheelock, Ana R. Sousa, Julie Corfield, Frédéric Baribaud, Charles Auffray, Dominic E. Shaw, Ildiko Horvath, Jacek Musial, Pascal Chanez, Norbert Krug, Paolo Montuschi, Per S. Bakke, Florian Singer, Stephen J. Fowler, Sven-Erik Dahlen, Thomas Sandström, Peter J. Sterk, Kian Fan Chung, Ian M. Adcock, Ratko Djukanovic, The U-BIOPRED Working Group

PA4890 **MMP10 and MET as predictive classifiers of bronchial eosinophilic asthma in UBIOPRED**
Chih Hsi Kuo (London, United Kingdom), Chih Hsi Kuo, Yike Guo, Ioannis Pandis, Stelios Pavlidis, Uruji Hoda, Christos Rossios, Anthony Rowe, Susan J. Wilson, Peter Howarth, Ratko Djukanovic, Matthew J. Loza, Fred Baribaud, Peter J. Sterk, Ian M. Adcock, Kian Fan Chung

PA4891 **Global gene expression analyses highlight the role of plasma membrane remodeling as a molecular functions of airway epithelium in response to interleukin-13 treatment**
Yuko Kureya (Ibaraki city,Osaka, Japan), Yuko Kureya, Kazuhisa Konishi, Kazuhiro Yamada, Tetsuya Watanabe, Masato Uji, Kazuhisa Asai, Hiroshi Kanazawa, Kazuto Hirata

PA4892 **MTHFR 677C>T polymorphism in patients with COPD**
Dimo Dimov (Stara Zagora, Bulgaria), Dimo Dimov, Georgi Golemanov, Tanya Tacheva, Vanya Ilieva, Gospodinka Prakova, Maya Gulubova, Regina Komsa-Penkova, Tatyana Vlaykova

PA4893	**Hypoxia-induced muscle atrophy and impaired regulation of protein turnover are partially dependent on muscle glucocorticoid receptor signaling** C.C. De Theije (Maastricht, Netherlands), C.C. De Theije, A.M.W.J. Schols, W.H. Lamers, J.J.M Ceelen, J.J.R. Hermans, S.E. Köhler, R.C.J. Langen
PA4894	**Urokinase plasminogen activator receptor variants drive distinct phenotypes in the bronchial epithelium** Sangita Bhatti (Nottingham, United Kingdom), Sangita Bhatti, Michael Portelli, Ian Sayers
PA4895	**Apoptosis in vastus lateralis muscle of patients with COPD** Ramzi Lakhdar (Edinburgh, United Kingdom), Ramzi Lakhdar, Ellen Drost, William MacNee, Roberto Rabinovich
PA4896	**Alpha-1 antitrypsin genotypes and associated inhibitory activity towards neutrophil serine proteinases, in vitro** Beata Poplawska-Wisniewska (Warsaw, Poland), Beata Poplawska-Wisniewska, Jadwiga Popow-Stellmaszyk, Radoslaw Struniawski, Aneta Stepniewska, Emil Wojda, Magdalena Wysocka, Pawel Sliwinski, Malgorzata Czajkowska-Malinowska, Beata Wajda, Dorota Krawiecka, Ewa Jassem, Sabine Wrenger, Sabina Janciauskiene, Adam Lesner, Joanna Chorostowska-Wynimko
PA4897	**Novel genetic variants in alpha-1 antitripsin deficiency cases carrying S alleles and discordant genotype and serum levels** Beatriz Martinez-Delgado (Madrid, Spain), Nerea Matamala, Beatriz Lara, Raquel Sáez, Silvia Castillo, María Molina, Ana Texido, Lara López, Álvaro Otero, Laura Perez, Ignacio Blanco, Beatriz Martinez-Delgado

Room D201-202 Session 508 08:30 - 10:30

Poster discussion: Pulmonary hypertension: promising small molecules

Chairs : Christophe Guignabert (le Plessis-Robinson, France), Soni Savai Pullamsetti (Bad Nauheim, Germany)

PA4898	**LSC Abstract – Glutamatergic signaling through pulmonary vascular NMDA receptors in pulmonary hypertension** Sebastien J. Dumas (Le Plessis-Robinson, France), Sébastien J. Dumas, Frédéric Perros, Gilles Bru-Mercier, Audrey Courboulin, Benoit Ranchoux, Catherine Rücker-Martin, Elodie Gouadon, Matthieu Vocelle, Nicolas Raymond, Peter Dorfmüller, Elie Fadel, Marc Humbert, Sylvia Cohen-Kaminsky
PA4899	**In-situ metabolite profiling of remodeled arteries in Pulmonary Arterial Hypertension (PAH) using innovative mass spectrometry imaging (MSI) tools** Gregory Hamm (Loos, France), Sébastien J. Dumas, Raphael Legouffe, Fabien Pamelard, David Bonnel, Gaël Picard De Muller, Gregory Hamm, Peter Dorfmüller, Elie Fadel, Marc Humbert, Jonathan Stauber, Sylvia Cohen-Kaminsky
PA4900	**Endothelial-derived MIF contributes to pulmonary endothelial cell proliferation in human pulmonary arterial hypertension** Morane Le Hiress (Le Plessis-Robinson, France), Morane Le Hiress, Ly Tu, Carole Phan, Raphaël Thuillet, Nicolas Ricard, Andrei Seferian, Elie Fadel, Gerald Simonneau, Alice Huertas, Yuichi Tamura, Marc Humbert, Christophe Guignabert
PA4901	**CD163 is expressed and modulated in human pulmonary artery smooth muscle cells: Implications for pulmonary artery hypertension** Latha Ramakrishnan (London, United Kingdom), Latha Ramakrishnan, Sharon Mumby, John S. Wort, Gregory J. Quinlan
PA4902	**Role of JAK2/STAT3 pathway in vascular function of pulmonary fibrosis patients** Beatriz Ballester (Burjassot (Valencia), Spain), Beatriz Ballester, Javier Milara, Anselm Morell, Sonia Contreras, Adela Serrano, Sonia González, Julio Cortijo
PA4903	**Balancing TGFbeta/BMP in pulmonary arterial hypertension** Nina Rol (Amsterdam, Netherlands), Nina Rol, Robert Szulcek, Marie-José Goumans, Chris Dickhoff, Anton Vonk-Noordegraaf, Harm Jan Bogaard, Geerten Van Nieuw Amerongen
PA4904	**Is arginase a potential drug target in tobacco-induced pulmonary endothelial dysfunction?** Priscilla Henno (Paris, France), Priscilla Henno, Christelle Maurey, Françoise Le Pimpec-Barthes, Philippe Devillier, Christophe Delclaux, Dominique Israël-Biet
PA4905	**Cystic fibrosis transmembrane conductance regulator and sphingolipids regulate hypoxic pulmonary vasoconstriction** Christoph Tabeling (Berlin, Germany), Christoph Tabeling, Hanpo Yu, Liming Wang, Hannes Ranke, Neil M. Goldenberg, Diana Zabini, Elena Noe, Adrienn Krauszman, Birgitt Gutbier, Jun Yin, Michael Schaefer, Christoph Arenz, Andreas C. Hocke, Norbert Suttorp, Richard L. Proia, Martin Witzenrath, Wolfgang M. Kuebler
PA4906	**Expression and function of aquaporin 1 in hypoxia-induced pulmonary hypertension** Claudio Schuoler (Zurich, Switzerland), Claudio Schuoler, Thomas Haider, Caroline Leuenberger, Max Gassmann, Malcolm Kohler, Lars Huber, Matthias Brock

PA4907	**Time-resolved study of endothelial shear-responsiveness in pulmonary arterial hypertension** Robert Szulcek (Amsterdam, Netherlands), Robert Szulcek, Chris Happe, Nina Rol, Ruud Fontijn, Chris Dickhoff, Frances De Man, Anton Vonk-Noordegraaf, Christophe Guignabert, Paul Yu, Geerten Van Nieuw Amerongen, Harm-Jan Bogaard
PA4908	**The inflammasome adaptor ASC mediates pulmonary artery remodelling** Fadila Telarevic Cero (Oslo, Norway), Fadila Telarevic Cero, Karl Otto Larsen, Vigdis Hillestad, Maria Belland Olsen, Camilla Udjus, Ivar Sjaastad, Arne Yndestad, Pål Aukrust, Else Marit Løberg, Geir Christensen, Ole Henning Skjønsberg
PA4909	**Tryptophan hydroxylase-1 inhibitors reduce serotonin levels and mast cell numbers in monocrotaline-treated rat lungs** William, Zavadoski (New Haven, United States of America), William Zavadoski, Patricia-Ann Bourassa, Nicole Barucci, Qing Zhang, Stephane De Lombaert, Daniel Goldberg, Jeffrey Dubins, Vishwas Paralkar, Robert Aiello
PA4910	**Temporal hemodynamic and histological changes in a rat model of SUGEN-induced PAH** Vincent Girod (Marseille, France), Vincent Girod, Audrey Bourdet, Sandra Robelet, Adeline Bouzereau, Delphine Revy
PA4911	**Treprostinil indirectly regulates endothelial colony forming cell angiogenic properties by increasing VEGF-A produced by mesenchymal stem cells** David Smadja (Paris, France), David Smadja, Marilyne Levy, Lan Huang, Elisa Rossi, Dominique Israel-Biet, Pascale Gaussem, Joyce Bischoff
PA4912	**Caspase inhibition stabilizes progressive vascular remodeling in established pulmonary hypertension** Chris Happé (Amsterdam, Netherlands), C.M. Happé, R. Szulcek, N. Rol, M.A. De Raaf, I. Schalij, A. Vonk-Noordegraaf, F.S. De Man, G.P. Van Nieuw-Amerongen, H.J. Bogaard
PA4913	**Effects of apoptosis signal- regulating kinase 1 (ASK1) inhibition in experimental pressure overload-induced right ventricular dysfunction** Mario Boehm (Giessen, Germany), Mario Boehm, Baktybek Kojonazarov, Hossein Ardeschir Ghofrani, Friedrich Grimminger, Norbert Weissmann, John T. Liles, Grant R. Budas, Werner Seeger, Ralph T. Schermuly
PA4914	**Selective TSC1 deletion in smooth muscle activates mTOR signaling and induces pulmonary hypertension** Amal Houssaini (Evry, France), Amal Houssaini, Shariq Abid, Geneviève Derumeaux, Feng Wan, Aurélien Parpaleix, Dominique Rideau, Elisabeth Marcos, Kanny Kebe, Gabor Czibik, Diago Sawaki, Caroline Trains, Jean-Luc Dubois-Randé, Zhenlin Li, Valérie Amsellem, Larissa Lipskaia, Mario Pende, Serge Adnot
PA4915	**Role of the TrkA receptor in experimental severe pulmonary hypertension** Florence Coste (Bordeaux, France), Florence Coste, Christian Toussaint, Mathilde Dubois, Arnaud Courtois, Christelle Guibert, Roger Marthan, Jean-Pierre Savineau, Bernard Muller, Véronique Michel

Room 7.1 Session 512 10:45 - 12:45

Hot topics: Lung cancer pathology

The new 2015 WHO classification and genetic heterogeneity

Aims : To present the 4th edition of the WHO classification of tumours of the lung. It covers clinical, radiological, macroscopic, histological, immunohistochemical, molecular pathological, and genetic aspects of the different tumour types. The features of the main tumour types will be presented by eminent European pathologists who were co-authors of this new classification: adenocarcinoma, squamous cell carcinoma, and neuroendocrine tumours.

Track(s) : Oncology

Tag(s) : Translational

Target audience : Pulmologists, oncologists, pneumologic oncologists, oncologic pneumologists, thoracic surgeons, radiologists, radiotherapists, pathologists, molecular (genetic) biologists, study nurses and trainees.

Chairs : Sam Janes (London, United Kingdom), Rudolf M. Huber (Munich, Germany)

10:45	**A new WHO classification for lung cancer after 11 years: clinical implications** Egbert E.F. Smit (Amsterdam, Netherlands)	**4928**
11:15	**Adenocarcinoma** Elisabeth Brambilla (Grenoble, France)	**4929**
11:45	**Squamous cell carcinoma** Joanna Domagala-Kulawik (Warsaw, Poland)	**4930**
12:15	**Neuroendocrine tumours** Philipp A. Schnabel (Homburg/Saar, Germany)	**4931**

Room Auditorium Session 513 10:45 - 12:45

Hot topics: Latent tuberculosis infection

Aims : To describe and present data showing the level of implementation of the LTBI management activities of a programme, present a baseline evaluation of the extent of ongoing activities, with a focus on major challenges and opportunities and discuss the requirements of a standardised LTBI monitoring, evaluation plan and the relevant tools.

Track(s) : Infection

Target audience : Clinicians and public health practitioners working on TB, and policy makers responsible for national tuberculosis control activities.

Chairs : Haileyesus Getahun (Geneva, Switzerland), Graham H. Bothamley (London, United Kingdom)

10:45	**LTBI management: theory and practice** Giovanni Sotgiu (Porto Torres, Italy)	**4932**
11:15	**Policies and practices on LTBI management: global WHO survey** Yohhei Hamada (Geneva, Switzerland)	**4933**
11:45	**Monitoring and evaluation of LTBI activities: country experience in UK** Ibrahim Abubakar (London, United Kingdom)	**4934**
12:15	**Monitoring and evaluation of LTBI management** Alberto Matteelli (Genève, Switzerland)	**4935**

Room 7.2 Session 514 10:45 - 12:45

Hot topics: Risk factors and early origins of respiratory diseases

Aims : To describe how maternal complications and conditions in pregnancy and in the perinatal period can affect respiratory health in childhood, the causal role of these factors and the non-causal role of the various confounding factors that explain these associations and how early life risk factors may affect the development of chronic pulmonary obstructive disease in adults.

Track(s) : Paediatric Epidemiology/Environment

Target audience : Clinicians and epidemiologists who have an interest in lung development, asthma, and chronic obstructive pulmonary disease.

Chairs : Claudia Kuehni (Bern, Switzerland), Angelo Barbato (Padova, Italy)

10:45	**Pregnancy complications and respiratory problems in childhood** Franca Rusconi (Florence, Italy)	**4936**
11:15	**Mode of delivery or early life antibiotics and the risk of asthma in studies using sibling design** Catarina Almqvist Malmros (Stockholm, Sweden)	**4937**
11:45	**Early life risk factors and chronic pulmonary obstructive disease: is the evidence enough?** Stefano Guerra (Tucson, United States of America)	**4938**
12:15	**Antibiotics in pregnancy: do they increase the risk of wheezing and asthma in childhood?** Hans Bisgaard (Copenhagen, Denmark)	**4939**

Room Elicium 2 Session 515 10:45 - 12:45

Symposium: Inhaled drugs: within and beyond the lungs

Aims : An ERS/ISAM society joint session. This session will showcase the latest developments in inhalation medicine and cutting-edge aerosol science. The audience will hear the experiences of patients with respiratory disease and the impact inhalers have on their lives; learn about the efficiency with which new inhaler devices and nebulisers treat asthma and COPD; appreciate the influence of psychological and behavioural factors on patient non-adherence to inhaled therapy; and be aware of the novel developments in aerosol science that utilise the lungs as a portal for systemic drug delivery.

Tag(s) : Translational

Target audience : Multidisciplinary professionals involved in aerosol science and drug delivery to the lungs, including doctors, nurses, physiotherapists, psychologists, scientists, and general respiratory healthcare professionals involved in inhalation medicine.

Chairs : Sunalene Devadason (Subiaco, Australia), Omar Usmani (London, United Kingdom)

10:45	**Living with inhalers: perspectives from the patient and the parent** Eddie Judd (London, United Kingdom), Silvia van Engelen (Amsterdam, Netherlands)	**4940**
11:15	**New inhaler devices: the good, the bad, and the ugly** Federico Lavorini (Florence, Italy)	**4941**
11:45	**Achieving the impossible? Device adherence and competence** Cynthia S. Rand (Baltimore, United States of America)	**4942**

12:15	**Delivering drugs to the body through the lungs** Bruce K Rubin (Winston-Salem, United States of America)	**4943**

Room 4.2 Session 516 10:45 - 12:45

Symposium: Long-term non-invasive ventilation (NIV) in COPD

New randomised studies and future implications

Aims : To discuss the controversial topic of NIV for the long-term treatment of COPD patients in terms of the recent results that were generated by randomised controlled studies. These results may change our treatment strategy for these patients in the future.

Track(s) : Intensive care

Tag(s) : Clinical

Target audience : Clinicians, physicians, intensivists, nurses, physiotherapists and respiratory therapists.

Chairs : Mark W. Elliott (Leeds, United Kingdom), Thomas Koehnlein (Leipzig, Germany)

10:45	**New RCTs evaluating NIV in stable hypercapnic COPD** Michael Dreher (Aachen, Germany)	**4944**
11:15	**NIV for preventing hospital admissions for COPD exacerbations** Raffaele Scala (Arezzo, Italy)	**4945**
11:45	**NIV after acute exacerbation of COPD: results from the Dutch multicentre study** Peter J. Wijkstra (Groningen, Netherlands)	**4946**
12:15	**Telemedicine in ventilated COPD patients: concept for the future?** Michele Vitacca (Gussago, Italy)	**4947**

Room 5.2 Session 517 10:45 - 12:45

Session: FIRS and Global Lung Health

Aims : ERS is a member of the Forum for International Respiratory Societies (FIRS), which is seeking to increase awareness regarding lung health at a global level. Global Lung Health depends on better control of both communicable and non-communicable diseases. This symposium will highlight some of the important aspects of lung health. One presentation will describe the major threat that is imposed by childhood pneumonia and TB in large parts of the world, while the presentation on global COPD will show that poverty is a strong predictor of poor lung health. By attending this symposium, the audience will gain further insights into the concept of Global Lung Health.

Target audience : All respiratory healthcare professionals who are interested in global health.

Chairs : Jørgen Vestbo (Manchester, United Kingdom), María Montes de Oca (Caracas, Venezuela)

10:45	**Introduction: FIRS and Global Lung Health** Jørgen Vestbo (Manchester, United Kingdom)	**4948**
11:00	**Childhood pneumonia: still a major threat** Heather Joy Zar (Johannesburg, South Africa)	**4949**
11:30	**Global COPD: the impact of poverty** Peter Burney (London, United Kingdom)	**4950**
12:00	**TB: the old enemy** Francesco Blasi (Milan, Italy)	**4951**
12:30	**Discussion**	**4952**

Room Elicium 1 Session 518 10:45 - 12:45

Oral presentation: Dyspnoea and respiratory muscle mechanics dysfunction in disease

Chairs : Nick Hopkinson (London, United Kingdom), Luis Puente Maestu (MADRID, Spain)

OA4953	**LATE-BREAKING ABSTRACT: Stability of cardiopulmonary exercise testing's parameters in a three years follow up** Fernanda Rodrigues (Leuven, Belgium), Fernanda Maria Machado Rodrigues, Heleen Demeyer, Miek Hornikx, Carlos Augusto Camillo, Hans Van Remoortel, Matthias Loeckx, Wim Janssens, Thierry Troosters	
OA4954	**Neural correlates of dyspnea in COPD** Roland Esser (Hamburg, Germany), Roland W. Esser, M. Cornelia Stoeckel, Anne Kirsten, Henrik Watz, Kirsten Lehmann, Karin Taube, Christian Büchel, Helgo Magnussen, Andreas Von Leupoldt	

OA4955 **Respiratory muscle recruitment during mechanical ventilation: Effects of ventilator settings**
Lisanne Roesthuis (Nijmegen, Netherlands), Lisanne H. Roesthuis, Jonne Doorduin, Johannes G. Van der Hoeven, Leo M.A. Heunks

OA4956 **Non invasive ventilation during exercise prevents quadriceps fatigue in severe COPD patients**
pierre labeix (Saint Etienne, France), Pierre Labeix, Mathieu Berger, Frederic Costes

OA4957 **Reliability of diaphragm ultrasound to detect diaphragm dysfunction in critically ill patients**
Bruno-Pierre Dube (Montreal, Canada), Bruno-Pierre Dubé, Martin Dres, Hélène Prodanovic, Julien Mayaux, Julie Delemazure, Thomas Similowski, Alexandre Demoule

OA4958 **Small airways dysfunction in chronic thromboembolic pulmonary hypertension**
Mitja Jevnikar (Trieste, Italy), Mitja Jevnikar, Laurent Godinas, Xavier Jaïs, Olivier Sitbon, Marc Humbert, Gérald Simonneau, Pierantonio Laveneziana, Gilles Garcia

OA4959 **Dynamic hyperinflation impairs cardiac performance during maximal exercise test in COPD**
Vinicius Zacarias da Silva (Brasilia, Brazil), Vinicius Silva, Murillo Frazao, Paulo Eugenio Silva

OA4960 **The contribution of each hemidiaphragm to the overall inspiratory strength in healthy subjects and unilateral diaphragmatic paralysis**
Mayra Caleffi Pereira (Sao Paulo, Brazil), Mayra Caleffi Pereira, Letícia Zumpano Cardenas, André Apanavicius, Renata Pletsch, Pauliane Vieira Santana, Vinicius C. Iamonti, Carlos Roberto Ribeiro de Carvalho, Pedro Caruso, André Luis Pereira de Albuquerque

Room Forum Session 519 10:45 - 12:45

Oral presentation: IPF: clinical aspects II

Chairs : Sara Tomassetti (Forli, Italy), Elisabetta Renzoni (London, United Kingdom)

OA4961 **Scoring system predicting for elevation of MPAP in IPF**
Taiki Furukawa (Seto, Japan), Taiki Furukawa, Hiroyuki Taniguchi, Yasuhiro Kondoh, Tomoki Kimura, Kensuke Kataoka, Toshiaki Matsuda, Toshiki Yokoyama, Mitsuaki Yagi

OA4962 **Predictors of mortality and risk prediction among patients with scleroderma related interstitial lung disease**
Julie Morisset (San Francisco, United States of America), Julie Morisset, Brett M. Elicker, Xiaowen Hu, Stephanie Le, Jay H. Ryu, Kirk D. Jones, Brett Ley, Paul J. Wolters, Talmadge E. King, Harold R. Collard, Joyce S. Lee

OA4963 **Drug-associated acute respiratory distress syndrome: A prospective observational cohort study**
Keisuke Anan (Iizuka, Japan), Keisuke Anan, Kazuya Ichikado, Kodai Kawamura, Masakazu Yoshioka

OA4964 **Quality of life of patients with idiopathic pulmonary fibrosis (IPF) - What can the Australian IPF registry tell us?**
Ian Glaspole (Footscray, Australia), Ian Glaspole, Nicole Goh, Peter Hopkins, Yuben Moodley, P.N. Reynolds, E.H Walters, Christopher Zappala, Heather Allan, Sally Chapman, Wendy Cooper, Samantha Ellis, Annabelle Mahar, Heather Chaplin, Robert Henson, Sacha Macansh, Sarah Richards, Susan E. Smith, Karen Symons, Eldho Paul, Tamera Corte

OA4965 **Clinical outcomes of patients with idiopathic pulmonary fibrosis in clinical practice: Follow-up results of the INSIGHTS-IPF registry**
Juergen Behr (Munich, Germany), Jürgen Behr, Hubert Wirtz, David Pittrow, Marius Hoeper, Dirk Koschel, Stefan Andreas, Jens Klotsche, Martin Claussen, Christian Grohé, Michael Kreuter

OA4966 **PaO_2/FiO_2 with low PEEP using NPPV is a significant predictor on survival in acute exacerbation of idiopathic pulmonary fibrosis**
Atsushi Suzuki (Seto, Aichi, Japan), Atsushi Suzuki, Hiroyuki Taniguchi, Yasuhiro Kondoh, Tomoki Kimura, Kensuke Kataoka, Toshiaki Matsuda, Toshiki Yokoyama, Masahiko Ando

OA4967 **A six minute walking test (6MWT) derived index (O2-GAP) predicts mortality in IPF**
Ermanno Puxeddu (Rome, Italy), Ermanno Puxeddu, Gabirella Pezzuto, Marco Pallante, Josuel Ora, Angelo Coppola, Alessia Mari, Silvia Portalone, Francesco Cavalli, Giuseppe Liotta, Leonardo Palombi, Cesare Saltini

OA4968 **Familial pulmonary fibrosis: Respiratory function progression analysis in different HRCT patterns**
David Bennett (Siena, Italy), David Bennett, Elena Bargagli, Antonella Fossi, Gloria Bettini, Maria Pieroni, Rosa Metella Refini, Maria Antonietta Mazzei, Paola Rottoli

Room 5.1 Session 520 10:45 - 12:45

Oral presentation: Best abstracts in functional capacity in chronic lung diseases

Chairs : Pierantonio Laveneziana (Paris, France), Jose Alberto Neder Serafini (Kingston, Canada)

OA4969 **Physical and psychological impairments in COPD patients with and without reduced left ventricular ejection fraction**
Rafael Mesquita (Maastricht, Netherlands), Rafael Mesquita, Frits M.E. Franssen, Sarah Wilke, Nicole H.M.K. Uszko-Lencer, Tim Berendsen, Fabio Pitta, Emiel F.M. Wouters, Martijn A. Spruit

OA4970 **Effects of supplemental oxygen vs. room air in COPD patients: A randomized placebo-controlled trial**
Inga Heinzelmann (Schonau am Konigssee, Germany), Inga Heinzelmann, Rainer Gloeckl, Merve Diril, David Buhrow, Andreas Jerrentrup, Klaus Kenn

OA4971 **Benefits of supplemental oxygen on exercise capacity in IPF patients with exercise-induced hypoxemia**
Shinichi Arizono (Hamamatsu/Shizuoka, Japan), Shinichi Arizono, Hiroyuki Taniguchi, Koji Sakamoto, Yasuhiro Kondoh, Tomoki Kimura, Kensuke Kataoka, Tomoya Ogawa, Fumiko Watanabe, Jun Hirasawa, Ryo Kozu

OA4972 **Impact of lung resection surgery on peak oxygen uptake (VO_{2peak}) and muscle strength in non-small cell lung cancer patients (NSCLC)**
Monique Messaggi Sartor (Barcelona, Spain), Monique Messaggi-Sartort, Sandra Chiarella, Albert Rodríguez, Elisabeth Martínez, Carolina Palomares, Josep Mª Muniesa, Rosa Mª Güell, Ester Marco

OA4973 **Gait Speed as a predictor of mortality in COPD**
Samantha Kon (Buckinghamshire, United Kingdom), Samantha Kon, Jane Canavan, Susie Schofield, Winston Banya, Sarah Jones, Claire Nolan, Michael Pokley, Paul Cullinan, William Man

OA4974 **Differences in training response between patients with alpha-1 antitrypsin deficiency and COPD patients**
Inga Heinzelmann (Schonau am Konigssee, Germany), Inga Heinzelmann, Sebastian Gehlert, Tobias Welte, Wilhelm Bloch, Sabina Janciauskiene, Klaus Kenn

OA4975 **Simple functional performance tests as predictors of clinical outcomes in COPD**
Sarah Crook (Zurich, Switzerland), Sarah Crook, Anja Frei, Tsung Yu, Gerben Ter Riet, Milo Puhan

OA4976 **Functionally relevant cut-point for isometric quadriceps muscle strength in patients with COPD**
Jane Canavan (Harefield, United Kingdom), Jane L. Canavan, Matthew Maddocks, Claire M. Nolan, Sarah E. Jones, Samantha S.C. Kon, Amy L. Clark, Michael I. Polkey, William D.-C. Man

Room 13.1 Session 521 10:45 - 12:45

Oral presentation: New frontiers in biomedical research on thoracic tumours

Chairs : Rainer G. Wiewrodt (Münster, Germany), Georgia Hardavella (London, United Kingdom)

OA4977 **NRAS mutations destine tumor cells to the lungs**
Anastasios Giannou (Patras, Greece), Anastasios D. Giannou, Theodora Agalioti, Nikolaos Kanellakis, Dimitra E. Zazara, Ioannis Lilis, Georgios T. Stathopoulos

OA4978 **Adenylate cyclase-associated protein 1 is associated with metastasis of non-small cell lung cancer especially in brain metastasis patients and promotes the lung cancer cell proliferation and migration in vitro as well as its growth and metastasis in vivo by the signaling pathways of limk1-cofilin**
Changhui Wang (Shanghai, China), Shuanshuan Xie, Changhui Wang, Min Tan, Xiaolian Song

OA4979 **Mouse lung adenocarcinoma cell lines reveal Prl2c2 as a novel lung tumor promoter**
Nikolaos Kanellakis (Patras, Greece), Nikolaos I. Kanellakis, Theodora Agalioti, Dimitra Zazara, Ioannis Lilis, Ioanna Giopanou, Malamati Vreka, Magda Spella, Antonia Marazioti, Georgios T. Stathopoulos, Anastasios D. Giannou

OA4980 **An airway epithelial origin for tobacco carcinogen-induced lung adenocarcinoma**
Magda Spella (Patras, Greece), Magda Spella, Dimitra Zazara, Ioannis Lilis, Malamati Vreka, Antonia Marazioti, Ioanna Giopanou, Vassilis Aidinis, Georgios T. Stathopoulos

OA4981 **Met amplification induces an aggressive phenotype in EGFR tyrosine kinase inhibitors resistant non-small-cell lung cancer**
Simon Baldacci (Lille, France), Simon Baldacci, Zoulika Kherrouche, Luc Stoven, Elisabeth Werkmeister, Nathalie Marchand, David Tulasne, Alexis Cortot

OA4982 **A role for cAMP-responsive element binding protein in lung adenocarcinoma**
Antonia Marazioti (Rio, Patras, Greece), Antonia Marazioti, Nikolitsa Spiropoulou, Ioannis Lilis, Anastasios Giannou, Malamati Vreka, Nikolaos Kanellakis, Marianthi Iliopoulou, Theodora Agalioti, Magda Spella, Georgios Stathopoulos

OA4983 **Placenta-derived conditioned medium with anti-tumor properties on human NSCLC**
Dagmar Lang (Großhansdorf, Germany), Dagmar S. Lang, Sebastian Marwitz, Tobias Zeiser, Sophie Seehase, Iris Watermann, Ekkehard Vollmer, Martin Reck, Peter Zabel, Torsten Goldmann

OA4984	**LATE-BREAKING ABSTRACT: Lung tumor cell migration and metastasis formation is conversely regulated by transmembrane and cytoplasmic syndecan-1 cleavage fragments** Andreas Ludwig (Aachen, Germany), Tobias Pasqualon, Aaron Babendreyer, Ester Groth, Julian Schumacher, Daniela Dreymueller, Andreas Ludwig

Room 2.1 Session 522 10:45 - 12:45

Oral presentation: CT, PET, MRI modalities: fusion of anatomical and functional variables for lung assessment

Chairs : Aleksandar Grgic (Homburg/Saar, Germany), Johan Coolen (Leuven, Belgium)

OA4985	**Parametric response mapping of COPD phenotypes: A COPDGene study** Craig Galban (Ann Arbor, United States of America), Craig Galban, Ryan Chamberlain, Benjamin Hoff, Timothy Johnson, Ella Kazerooni, Fernando Martinez, Brian Ross, David Lynchg, Meilan Han
OA4986	**Chest CT scans obtained in multicentre clinical routine assessments are sufficient to develop a prediction function for emphysema from lung function** Rudolf A Jörres (Munich, Germany), Rudolf A. Jörres, Frank Biertz, Charlotte Vogel, Hans-Ulrich Kauczor, Jürgen Biederer, Bertram Jobst, Joachim Heinrich, Armin Koch, Henrik Watz, Tobias Welte, Claus Vogelmeier
OA4987	**Computed tomography for evaluation of the small airway disease in asthma** Leonello Fuso (Rome, Italy), Leonello Fuso, Carola Condoluci, Emanuele Conte, Giulia Angeletti, Chiara Contu, Giuseppe Macis, Martina Sbarra, Paolo Montuschi, Salvatore Valente
OA4988	**^{18}F-fluorodeoxyglucose (18FDG) PET pulmonary imaging in COPD** Gourab Choudhury (Edinburgh, United Kingdom), Gourab Choudhury, Alison Fletcher, Martin Connell, Tim Clark, Susie Ferguson, Brandon Whitcher, Iain Kilty, Vennart William, Edwin J.R. VanBeek, MacNee William
OA4989	**18F-Fluorodeoxyglucose (18FDG) PET pulmonary imaging: Role in detecting vascular inflammation** Gourab Choudhury (Edinburgh, United Kingdom), Janice Wong, Alex Vesey, Susie Ferguson, Alison Fletcher, Tim Clark, Martin Connell, Brandon Whitcher, Iain Kilty, William Vennart, Edwin J.R. Van Beek, William MacNee, Gourab Choudhury
OA4990	**MRI-derived regional pulmonary perfusion and cardiac function for monitoring patients with chronic thromboembolic pulmonary hypertension before and after pulmonary endarterectomy** Christian Schönfeld (Hannover, Germany), Christian Schönfeld, Serghei Cebotari, Jan Hinrichs, Julius Renne, Till Kaireit, Marcel Gutberlet, Andreas Voskrebenzev, Marius Hoeper, Karen Olsson, Tobias Welte, Frank Wacker, Axel Haverich, Jens Vogel-Clausen
OA4991	**Lobar comparison of CT densitometry and ^{3}He diffusion MRI models of lung microstructure in asthmatics** Ho-Fung Chan (Sheffield, United Kingdom), Ho-Fung Chan, Juan Parra-Robles, Chris Brightling, Wim Vos, Jim Wild
OA4992	**Hyperpolarised gas MR lung imaging – Breaks through to clinical practice** J.M. Wild (Sheffield, United Kingdom), Jim Wild, Laurie Smith, Felix Horn, Guilhem Collier, Andrew Swift, Neil Stewart, Madhwesha Rao, Graham Norquay, David Hughes, Kelechi Ugonna, Helen Marshall

Room 4.1 Session 523 10:45 - 12:45

Oral presentation: Pulmonary hypertension: new treatment insights

Chairs : Marc Humbert (Paris, France), H. Ardeschir Ghofrani (Giessen, Germany)

OA4993	**LATE-BREAKING ABSTRACT: Pulmonary vascular effects after pulsed inhaled NO evaluated by functional respiratory imaging (FRI)** Bita Hajian (Amsterdam, Netherlands), Bita Hajian, Francisca Ferreira, Wim Vos, Jan De Backer, Cedric Van Holsbeke, Douglas Greene, Reinilde Heyrman, Wilfried De Backer
OA4994	**Initial combination therapy with ambrisentan (AMB) and tadalafil (TAD) in treatment naïve patients with pulmonary arterial hypertension (PAH): Efficacy and safety in the AMBITION study intent to treat (ITT) population** Marius M. Hoeper (Hannover, Germany), Marius Hoeper, Nazzareno Galie, Joan Albert Barbera, Adaani Frost, Ardeschir Ghofrani, Valerie McLaughlin, Andrew Peacock, Gerald Simonneau, Jean-Luc Vachiery, Christiana Blair, Hunter Gillies, Julia Harris, Jon Langley, Lewis Rubin
OA4995	**Effect of selexipag on long-term outcomes in key subgroups of patients with pulmonary arterial hypertension (PAH): GRIPHON study results** Olivier Sitbon (Le Kremlin Bicêtre, France), Olivier Sitbon, Richard Channick, Kelly Chin, Aline Frey, Nazzareno Galiè, Hossein-Ardeschir Ghofrani, Marius M. Hoeper, Irene Lang, Franck-Olivier Le Brun, Vallerie McLaughlin, Ralph Preiss, Lewis J. Rubin, Gérald Simmonneau, Victor Tapson, Sean Gaine

OA4996	**Upfront combination therapy in the treatment of scleroderma-associated pulmonary arterial hypertension: Results of an open label trial** Paul M. Hassoun (Baltimore, United States of America), Paul Hassoun, Roham Zamanian, Rachel Damico, Rubina Khair, Todd Kolb, Ryan Tedford, Olivia Hulm, Chiara Pisanello, Takahiro Sato, Cecilia Corona-Villalobos, Stefan Zimmerman, Mohamed Gashouta, Omar Minai, Fernando Torres, Kelly Chin, Reda Girgis, Stephen Mathai
OA4997	**Renal denervation reduces pulmonary vascular remodeling in two experimental pulmonary arterial hypertension models** Denielli Bos (Amsterdam, Netherlands), Denielli Da Silva Goncalves Bos, Chris Happé, Ingrid Schalij, Wioletta Pijacka, Julian F. Paton, Harm-Jan Bogaard, Nico Westerhof, Albertus C. Van Rossum, Anton Vonk-Noordegraaf, Frances S. De Man, M. Louis Handoko
OA4998	**Long-term outcome of sarcoidosis-associated pulmonary hypertension in the modern treatment era** Athénaïs Boucly (Paris, France), Athénaïs Boucly, Xavier Jaïs, Caroline Sattler, Andrei Seferian, David Amar, David Montani, Gerald Simonneau, Marc Humbert, Olivier Sitbon, Laurent Savale
OA4999	**Riociguat for the treatment of pulmonary arterial hypertension and chronic thromboembolic pulmonary hypertension: Real-life data from the EXPERT registry** Michael Halank (Dresden, Germany), Michael Halank, Marc Humbert, Miguel-Angel Gomez Sanchez, David Pittrow, Marius Hoeper, Ekkehard Grünig, H. Ardeschir Ghofrani, Hubert Wirtz, Hans Klose, Ralf Ewert, Tobias J. Lange, Jens Klotsche, Christian Meier, Monika Brunn, Gerald Simonneau
OA5000	**Pulmonary hypertension due to lung disease – Results from COMPERA** Ekkehard Grünig (Heidelberg, Germany), Ekkehard Grünig, Doerte Huscher, David Pittrow, Dario Vizza, Marius M. Hoeper

Room Emerald Session 524 10:45 - 12:45

Oral presentation: Emerging technologies for malignant pleural diseases management

Chairs : Nick Maskell (Bristol, United Kingdom), Charlotte Leduc (Strasbourg, France)

OA5001	**LATE-BREAKING ABSTRACT: Host-environmental IL-1ß drives mutant KRAS-IKKa addiction in malignant pleural effusion** Antonia Marazioti (Rio, Patras, Greece), Antonia Marazioti, Malamati Vreka, Anastasios Giannou, Theodora Agalioti, Nikolaos Kanellakis, Magdalini Spella, Ioanna Giopanou, Georgios Stathopoulos
OA5002	**Volatile organic compounds increase the likelihood of detecting malignant pleural mesothelioma** Kevin Lamote (Gent, Belgium), Kevin Lamote, Matthijs Vynck, Joris Van Cleemput, Olivier Thas, Kristiaan Nackaerts, Jan P. Van Meerbeeck
OA5003	**Pemetrexed-loaded nanoparticles targeted to malignant pleural mesothelioma cells: In-vitro study** Giulia Stella (Pavia, Italy), Giulia Stella, Emanuela Cova, Simona Inghilleri, Davide Piloni, Miriam Colombo, Simona Mrakic-Sposta, Laura Pandolfi, Angelo Corsico, Ymera Pignochino, Davide Prosperi, Patrizia Morbini, Federica Meloni
OA5004	**Efficacy of recombinant adenoviral human p53 gene in treatment of lung cancer-mediated pleural effusion** Kunlin Li (Chongqing, China), Kun-lin Li, Jun Kang, Li Li, Yu-bo Wang, Yong He
OA5005	**Detection of EpCAM-positive microparticles in pleural fluid: A new approach for the diagnosis of the tumoral origin of pleural effusions** Elisa Roca (Rezzato, BS, Italy), Elisa Roca, Romaric Lacroix, Coralie Judicone, Sophie Laroumagne, Stephane Robert, Sylvie Cointe, Alexandre Muller, Elise Kaspi, Patrice Roll, Alain Brisson, Claudio Tantucci, Philippe Astoul, Françoise Dignat-George
OA5006	**Implication of adamalysin proteases in mesothelioma** Christelle Sepult (Liège, Belgium), Christelle Sepult, Natacha Rocks, Sandrine Bekaert, Kim Donati, Bernard Duysinx, Agnes Noel, Didier Cataldo
OA5007	**Activated KRAS signaling triggers malignant pleural effusion** Theodora Agalioti (Patras, Greece), Theodora Agalioti, Anastasios Giannou, Antonia Marazioti, Nikolaos Kanellakis, Magda Spella, Ioannis Lillis, Dimitra Zazara, Konstantina Papadia, Sofia Antimisiaris, Dimitrios Kardamakis, Georgios Stathopoulos
OA5008	**MET genetic lesion in pleural tumor of unknown primary origin. A preliminary report** Giulia Stella (Pavia, Italy), Giulia Stella, Silvia Benvenuti, Alessandra Gentile, Michele Zorzetto, Simona Inghilleri, Patrizia Morbini, Federica Meloni

Room E104-106 Session 525 10:45 - 12:45

Poster discussion: Is asthma always an easy disease to diagnose and manage?

Chairs : Andreina Bruno (Palermo, Italy), Vibeke Backer (Copenhagen, Denmark)

PA5009	**Early- and late-onsets of severe asthma are associated with divergent phenotypes of the disease** Laure Folliet (Lyon, France), Laure Folliet, Nathalie Freymond, Yves Pacheco, Gilles Devouassoux
PA5010	**Recurrent exacerbation of asthma: Characteristics of the patients and risk factors** Ji Young Yhi (Seoul, Republic of Korea), Ji Young Yhi, Tae-Hyung Kim, Yeon-Mok Oh, Kwang Ha Yoo, Ji-Hyun Lee
PA5011	**Drug loaded liposomes of mesalamine incorporated into disease responsive microgels (Micro) for treating allergic asthma: An approach using smart drug delivery system** Rama Satyanarayana Raju (Udhagamandalam, India), Rama Satyanarayana Raju, M.N. Sathish Kumar, Elango Kannan, Nilesh S. Ambhore, Shashank Mulukutla, K. Gowthamarajan
PA5012	**Validation of the 'test of the adherence to inhalers' (TAI) for asthma and COPD patients** Fernando Gutierrez Pereyra (Barcelona, Spain), Fernando Gutiérrez-Pereyra, Vicente Plaza, Concepción Fernández-Rodríguez, Carlos Melero, Borja G. Cosío, Luis Manuel Entrenas, Luis Pérez de Llano, Eduard Tarragona, Rosa Palomino, Antolín López-Viña
PA5013	**A study of exhaled NO (FENO) measurement used to determine asthma control, dose of inhaled corticosteroid and cost in a developing country** Sy Duong-Quy (Da Lat, Vietnam), Sy Duong-Quy, Thong Hua-Huy, Nhu Doan-Quynh, Bao Nguyen-Quoc, Khiet Le-Quang, Dinh Tran-Thanh, Jean-Paul Homasson, Anh-Tuan Dinh-Xuan
PA5014	**Characteristics and medication use of the patients with acute exacerbations of asthma-COPD overlap syndrome** Wu Lihua (Chengdu City, China), Li-Hua Wu, Juan-Juan Fu, Guan-Hong Li, Bo Qu, Bing Mao
PA5015	**Limitation of life activities in disabled asthma patients** Svitlana S Panina (Dniepropetrovsk, Ukraine), Svitlana Panina, Nataliia Sanina, Nataliia Gondulenko, Tetyana Igumnova
PA5016	**Best practices in integrating home spirometer measurements with electronic clinical outcome assessments (eCOA) in clinical trials** Jessica Thilaganathan (London, United Kingdom), Jessica Thilaganathan, Antti Heikkila, Juha Matero, Katie Garner
PA5017	**Correlation among functional respiratory parameters and disease control in asthma** Leonello Fuso (Rome, Italy), Carola Condoluci, Emanuele Conte, Giulia Angeletti, Chiara Contu, Leonello Fuso
PA5018	**Adherence to the treatment of patients with bronchial asthma** Larisa V. Bogovin (Blagoveshchensk, Amur reg., Russian Federation), Larisa V. Bogovin, Anastasia S. Shabanova, Victor P. Kolosov, Juliy M. Perelman
PA5019	**Inhalation technique education and its impact in asthma and COPD** Luis Miguel Vaz Rodrigues (Guarda, Portugal), Tiago Maricoto, Sofia Madanelo, Luís Rodrigues, Gilberto Teixeira, Carla Valente, Lília Andrade, Alcina Saraiva
PA5020	**Overlap phenotypes of asthma in adults: Obesity and atopy** Jing Zheng (Chengdu, China), Jing Zhen, Rui Liang, Honglin Li, Lei Wang, Gang Wang
PA5021	**Identification and validation of asthma phenotypes in Chinese population using cluster analysis** Jing Zheng (Chengdu, China), Jing Zheng, Rui Liang, Ting Zhou, Lei Wang, Gang Wang
PA5022	**Factors associated with the length of hospital stay in patients with acute exacerbations of asthma and COPD overlap syndrome** Juan-juan Fu (Chengdu, China), Juan-Juan Fu, Li-Hua Wu, Bo Qu, Guan-Hong Li, Bing Mao
PA5023	**Difference between asthma and COPD patients in adherence and non-adherence patterns to inhaler devices** Fernando Gutierrez Pereyra (Barcelona, Spain), Fernando Gutiérrez-Pereyra, Vicente Plaza, Antolín López-Viña, Luis Manuel Entrenas, Concepción Fernández-Rodríguez, Carlos Melero, Eduard Tarragona, Rosa Palomino, Borja G. Cosío
PA5024	**Small airways disease and peripheral eosinophilia predict airway hyperresponsiveness in Irish patients with suspected asthma** Jenna O'Sullivan (Cork, Ireland), Jenna O'Sullivan, Liam Chawke, Deirdre Fitzgerald, David Curran, Terry O'Connor
PA5025	**Comparing pharmacist time use for asthma and COPD patients using various types of inhaler devices** Sunee Lertsinudom (Khon Kaen, Thailand), Sunee Lertsinudom, Kesarin Choopunyalert, Suratsawadee Jindajumnong
PA5026	**The influence of smoking on health related quality of life in asthmatics** Juliy Perelman (Blagoveshchensk, Amur Oblast, Russian Federation), Natalia L. Perelman, Victor P. Kolosov, Juliy M. Perelman, Svetlana V. Naryshkina

Room G102-103 Session 526 10:45 - 12:45

Poster discussion: Advances from translational research in respiratory infections

Chairs : Stefan Krueger (Düsseldorf, Germany), Pieter Goeminne (Bornem, Belgium)

PA5027	**LATE-BREAKING ABSTRACT: Effect of vitamin D on inflammatory and antibacterial responses to cigarette smoke** Nele Heulens (Oplinter, Belgium), Nele Heulens, Hannelie Korf, Karen Maes, Elien De Smidt, Conny Gysemans, Ghislaine Gayan-Ramirez, Chantal Mathieu, Wim Janssens
PA5028	**Influence of biofim on the bronchial microbiome in COPD patients colonized or infected by pseudomonas aeruginosa** Marian Garcia-Nuñez (Sabadell, Spain), Marian Garcia-Nuñez, Sara Marti, Carmen Puig, Vicente Perez-Brocal, Laura Millares, Fina Liñares, Eduard Monso
PA5029	**T and B lymphocytes, NK-cells, dendritic cells, mast cells and foxp3+ cells in lung tissue of severe Influenza A (H1N1)pdm infection** Monique Buttignol (São Bernardo Do Campo, Brazil), Monique Buttignol, Ruy Pires-Neto, Marina Ballarin, Marisa Dolhnikoff, Thais Mauad
PA5030	**Management of patients with an inadequate haemophilus influenzae type b antibody response** Helen Davies (Cardiff, United Kingdom), S.M. White, H.E. Davies
PA5031	**Decreased regulation of lung CD8+ T cells by virally-infected macrophages in COPD: Role of PD1/PDL1 axis** Tom Wilkinson (Southampton, United Kingdom), Karl J. Staples, Richard T. McKendry, Hannah Burke, Ben Nicholas, C. Mirella Spalluto, Tom M.A. Wilkinson
PA5032	**Genetic determinants of oropharyngeal streptococci antimicrobial resistance in COPD patients and asthma sufferers** Sergey Fedosenko (Tomsk, Russian Federation), Sergey Fedosenko, Ludmila Ogorodova, Elena Ilina
PA5033	**Respiratory viruses can be isolated and identified from exhaled breath** Alicia Mitchell (Naremburn, Australia), Alicia Mitchell, Francesca Tang, Qi Ge, Lucy Morgan, Brian Oliver
PA5034	**Airway epithelial cells from asthmatic adults support elevated human metapneumovirus infection due to impaired apoptosis** Engin Baturcam (Herston, Australia), Engin Baturcam, Tiong Han Yeo, Johanna Schagen, Natale Snape, Emma Thomas, Janine Di-Masi, Sally Galbraith, Simon Phipps, Emmanuelle Fantino, Peter Sly, Kirsten Spann
PA5035	**Susceptibility to influenza virus infection in asthma biopsies and the effect of topical steroids** Ben Nicholas (Southampton, United Kingdom), Ben Nicholas, Sarah Dudley, Kamran Tariq, Peter Howarth, Kerry Lunn, Sandy Pink, Phillip Monk, Ian Adcock, Ratko Djukanovic, The U-BIOPRED Study Group Listed at http://www.europeanlung.org/en/assets/micros
PA5036	**Neutrophils are immuno-modulatory in rhinovirus infections** Francesca Tang (Glebe, Australia), Francesca Tang, Philip Hansbro, Janette Burgess, Katherine Baines, Brian Oliver
PA5037	**Different innate neutrophil responses in controlled and uncontrolled asthma** Francesca Tang (Glebe, Australia), Francesca Tang, Gloria Foxley, Peter Gibson, Janette Burgess, Katherine Baines, Brian Oliver
PA5038	**Protein tyrosine phosphatase 1B negatively regulates S100A9 mediated apoptosis during respiratory syncytial virus infection** Robert Foronjy (Scarsdale, United States of America), Pius Ochieng, Edward Eden, Matthias Salathe, Abdoulaye Dabo, Nathalie Schmid, Michael Campos, Neville Cummins, Robert Foronjy, Patrick Geraghty
PA5039	**Genotypic studies of pseudomonas aeruginosa isolates from adult non-cystic fibrosis bronchiectasis patients** Anthony De Soyza (Newcastle upon Tyne, United Kingdom), Y.K. Hilliam, A. Perry, A.J. Hall, J. Davison, K.E. Walton, J. Fothergill, A. De Soyza, C. Winstanley
PA5040	**The bacteriological incidence of lung abscess using clone library analysis of 16S rRNA gene in bronchoalveolar lavage** Keisuke Naito (Fukuoka, Japan), Keisuke Naito, Shingo Noguchi, Kazuhiro Yatera, Kentarou Akata, Chinatsu Nishida, Kei Yamasaki, Takeshi Orihashi, Toshinori Kawanami, Hiroshi Ishimoto, Kazumasa Fukuda, Hatsumi Taniguchi, Hiroshi Mukae
PA5041	**Induction of neutrophil extracellular traps (NETs) by the pneumococcal toxin, pneumolysin (Ply)** Charles Feldman (Johannesburg, South Africa), Jan-Gert Nel, Annette Theron, Chrisna Durandt, Gregory Tintinger, Roger Pool, Timothy Mitchell, Ronald Anderson, Charles Feldman
PA5042	**Impact of nasopharyngeal pneumococcal colonization on protective immunity against S. pneumoniae in mice** Anne Dommaschk (Hannover, Germany), Anne Dommaschk, Nadine Ding, Lara Bittersohl, Gabriele Kirchhof, Tobias Welte, Ulrich Maus
PA5043	**LSC Abstract – CD3bright T cells are early IL-17A-producers during acute pneumococcal infection** Maya Hassane (Lille, France), Maya Hassane

PA5044	**LSC Abstract – Regulation of neutrophilic inflammation in community acquired pneumonia (winner of the LSC 2015 Best Oral Presentation Award)** Ricardo José (London, United Kingdom), Ricardo José, Andrew Williams, Michal Sulikowski, David Brealey, Jeremy Brown, Rachel Chambers

Room G104-105 Session 527 10:45 - 12:45

Poster discussion: Cellular and molecular mechanisms of COPD and emphysema

Chairs : Ken Bracke (Ghent, Belgium), Juanita H.J. Vernooy (Maastricht, Netherlands)

PA5045	**LSC Abstract – Chronic cigarette smoke (CS) exposure alters differentiation of primary bronchial epithelial cells, cultured at the air-liquid interface (PBEC-ALI)** Jasmijn Schrumpf (Leiden, Netherlands), Jasmijn Schrumpf, Joris Veldkamp, Gimano Amatngalim, Tinne Mertens, Pieter Hiemstra
PA5046	**Cigarette smoke reduces pro-resolving omega-6 metabolite production by cultured human primary bronchial epithelial cells** Anne van der Does (Leiden, Netherlands), Anne Van der Does, Dick-Paul Kloos, Gimano Amatngalim, Christian Taube, Martin Giera, Pieter Hiemstra
PA5047	**Cigarette smoke impairs basal cell mediated epithelial wound repair and induces expression of the antimicrobial protein RNase 7 via oxidative stress** Gimano Amatngalim (Leiden, Netherlands), Gimano D. Amatngalim, Winifred Broekman, Nadia M. Daniel, Lucien E.P.M. Van der Vlugt, Pieter S. Hiemstra
PA5048	**Receptor for advanced glycation end products (RAGE) is involved in cigarette smoke induced inflammation and emphysema** Lisa Wolf (Homburg/Saar, Germany), Lisa Wolf, Julia Niederstraßer, Herr Christian, Bals Robert
PA5049	**Role of chronic exposure to cigarette smoke on endoglin/CD105 expression in airway epithelium** Rosalia Gagliardo (Palermo, Italy), Rosalia Gagliardo, Fabio Bucchieri, Angela M. Montalbano, Roberto Marchese, Giusy D. Albano, Francesca Rappa, Alberto Fucarino, Pietro Tralongo, Giulia Anzalone, Giuseppina Chiappara, Giuseppe Paglino, Mirella Profita
PA5050	**The relation of cigarette smoking to increased extracellular matrix in the layer of airway smooth muscle** Robyn Jones (Perth, Australia), Robyn Jones, John Elliot, Peter Noble, Peter MvFawn, James Hogg, Alan James
PA5051	**Glycosaminoglycans significantly correlate with matrix metalloproteinases during exacerbations of COPD** Eleni Papakonstantinou (Thessaloniki, Greece), Eleni Papakonstantinou, Ioannis Klagas, Ioannis Bonovolias, George Karakiulakis, Michael Roth, Michael Tamm, Daiana Stolz
PA5052	**LSC Abstract – Alpha1-antitrypsin reduces inflammation and endoplasmic reticulum stress in lung epithelial cells in vitro** Izabela Nita (Bern, Switzerland), Izabela Nita, Rolf Spirig, Sylvia Miescher, Amiq Gazdhar, Thomas Geiser
PA5053	**Alpha-1 antitrypsin protects protein phospholipid transfer protein from cleavage to counter lung inflammatory responses** Robert Foronjy (Scarsdale, United States of America), Pius Ochieng, Patrick Geraghty, Edward Eden, Michael Campos, Robert Foronjy
PA5054	**Elastin peptides modulate T helper response during murine emphysema** Aida Meghraoui-Kheddar (Reims, France), Aïda Meghraoui-Kheddar, Mehdi Sellami, Sandra Audonnet, Moncef Guenounou, Richard Le Naour
PA5055	**Neutrophil extracellular traps (NETs) in COPD: A potential novel mechanism for host damage in acute exacerbations** Hannah Greenwood (Birmingham, United Kingdom), Jack Pullan, Hannah Greenwood, Georgia M. Walton, Robert A. Stockley, Elizabeth Sapey
PA5056	**Serum angiopoietin-2 levels in stable and exacerbated chronic obstructive pulmonary disease** mahdia gholamnejad (Urmia, Islamic Republic of Iran), Mahdia Gholamnejad, Nasser Jahanbakhsh, Mohammad Hossein Rahimi-Rad, Mohammad Hassan Khadem Ansari, Shaker Salari Lak
PA5057	**Elastase-induced emphysema is attenuated by L-carnitine supplementation** Thomas Conlon (Neuherberg, Germany), Thomas Conlon, Cornelia Prehn, Jerzy Adamski, Oliver Eickelberg, Ali önder Yildirim
PA5058	**Involvement of JNK in TNF driven remodelling** Niki Reynaert (Maastricht, Netherlands), Niki Reynaert, Irene Eurlings, Evi Mercken, Rafael De Cabo, Scott Aesif, Jos Van der Velden, Yvonne Janssen-Heininger, Emiel Wouters, Mieke Dentener

PA5059 **Identification and characterization of mesenchymal stem cells in the human lung**
Tamara Cruz (Barcelona, Spain), Tamara Cruz, Alejandra Lopez, Alvar Agusti, Rosa Faner

PA5060 **Pretreatment of human adipose derived mesenchymal stem cells with PPAR- agonist improved effects of regeneration in elastase induced emphysema mouse model**
Ryeon-Jin Cho (Seoul, Republic of Korea), Ryeon Jin Cho, You-Sun Kim, Ji-Young Kim, Seiwon Lee, Sang-Do Lee, Jin Won Huh, Yeon-Mok Oh

PA5061 **Functional comparison of bone-marrow derived mesenchymal stromal cells obtained from COPD patients and non-COPD controls**
Winifred Broekman (Leiden, Netherlands), Winifred Broekman, Maria Zarcone, Annemarie Van Schadewijk, Helene Roelofs, Christian Taube, Jan Stolk, Pieter Hiemstra

PA5062 **In search of ckit+ stem cells in lung tissue**
Alejandra Lopez Giraldo (Barcelona, Spain), Alejandra López-Giraldo, Tamara Cruz, Rosa Faner, Alvar Agustí

Room G106-107 Session 528 10:45 - 12:45

Poster discussion: Epidemiology of respiratory disease

Chairs : Cecilie Svanes (Bergen, Norway), Judith Garcia Aymerich (Barcelona, Spain)

PA5063 **Reference values for FEV1, FVC and FEV1/FVC in Norway**
Arnulf Langhammer (Levanger, Norway), Arnulf Langhammer, Ane Johannesssen, Turid Lingaas Holmen, Hasse Melbye, Sanja Stanojevic, May Brit Lund, Morten Nissen Melsom, Per Bakke, Philip Quanjer

PA5064 **The global Lund function initiative (GLI) reference values do not reflect lung function in the Nordic countries**
Helena Backman (Lulea, Sweden), Helena Backman, Annette Kainu, Linda Ekerljung, Anne Lindberg, Bo Lundback, Eva Rönmark, Anssi Sovijarvi

PA5065 **Can we use pre-bronchodilator spirometry to define post-bronchodilator airflow obstruction?**
Alessandro Marcon (Verona, Italy), Alessandro Marcon, Josep M. Anto, Isa Cerveri, Thorarinn Gislason, Joachim Heinrich, Christer Janson, Deborah Jarvis, Nino Kuenzli, Benedicte Leynaert, Nicole Probst-Hensch, Cecilie Svanes, Kjell Toren, Joost Weyler, Jan-Paul Zock, Peter Burney, Roberto De Marco

PA5066 **Prevalence of restrictive spirometric pattern according to different definitions**
Helena Backman (Lulea, Sweden), Helena Backman, Linnea Hedman, Caroline Stridsman, Sven-Arne Jansson, Anne Lindberg, Eva Rönmark, Bo Lundback

PA5067 **Consequences of different definitions of airway obstruction**
Berne Eriksson (Halmstad, Sweden), Berne Eriksson, Helena Backman, Linnea Hedman, Anne Lindberg, Eva Rönmark, Bo Lundbäck

PA5068 **Impact of different spirometric definitions on COPD prevalence and biomarkers in a population-based sample up to age 90**
Stefan Karrasch (Neuherberg, Germany), Stefan Karrasch, Irene Brüske, Maia Smith, Joachim Heinrich, Rolf Holle, Karl-Heinz Ladwig, Annette Peters, Holger Schulz

PA5069 **Prevalence and characteristics of the asthma-COPD overlap syndrome - or the asthma-like COPD phenotype - in a COPD high risk population**
Charlotte Suppli Ulrik (Virum, Denmark), Camilla Boslev Bårnes, Peter Kjeldgaard, Mia Nielsen, Charlotte Suppli Ulrik

PA5070 **Predictive accuracy of a simple functional index in chronic obstructive pulmonary disease**
Juan Luis García Rivero (Mompía (Santa Cruz de Bezana)-Cantabria, Spain), Juan Luis Garcia-Rivero, Roberto Garrastazu, Miguel Santibáñez, Mario Ruiz, Sandra Arenal, Jose Helguera, Cristina Bonnardeaux, Carlos Leon, Javier Llorca

PA5071 **Validation of the COPD lung cancer screening score in a community based cohort of COPD patients**
Ane Aamli (Bergen, Norway), Ane Aamli, Miriam Gjerdevik, Frode Gallefoss, Per Bakke

PA5072 **Dealing with missing longitudinal FEV1 observations when used as time-dependent covariate data in survival analysis for COPD patients within a regional UK population-level database**
David Culliford (Southampton, United Kingdom), David Culliford, Matt Johnson, Lynn Josephs

PA5073 **A multivariate geo-statistical Bayesian model for analyzing the spatial prevalence of COPD: Implications on risk factors**
Marco Caminati (Verona, Italy), Massimo Guerriero, Marco Caminati, Clarissa Ferrari, Gianenrico Senna, Carlo Pomari

PA5074 **Assessing health-related quality of life in COPD: A comparison between one generic and two disease-specific instruments**
Margarethe Wacker (Neuherberg, Germany), Margarethe E. Wacker, Sarah Wilke, Annika Karch, Holger Schulz, Henrik Watz, Rudolf A. Jörres, Claus Vogelmeier, Rolf Holle

PA5075	**Case-finding for COPD: Developing strategies to identify patients at risk populations** Cecilia Rodríguez (Montevideo, Uruguay), Cecilia Rodriguez Flores, María Victorina Lopez Varela, Edilberto Pacheco, Mónica Mamchur, Jimena Nuñez, Karen Rabuñal, Fernando Gimenez, Ana Lía Tempone, Karina Fagundez, Carolina Silva
PA5076	**LATE-BREAKING ABSTRACT: The state of asthma epidemiology - An overview of systematic reviews** Jon Genuneit (Ulm, Germany), Annina M. Seibold, Jon Genuneit
PA5077	**Alcohol intake, cigarette smoking and respiratory health in the general population** Alessandro Marcon (Verona, Italy), Roberto De Marco, Roberto Bono, Isa Cerveri, Marcello Ferrari, Pietro Pirina, Alessandro Marcon
PA5078	**Associations of fruit intake and lung function in middle-age are modified by obesity** Stephanie Byrne (The University of Melbourne, Australia), Stephanie Byrne, John Burgess, Lisa Wood, Michael Abramson, Bircan Erbas, Jennifer Perret, Stephen Morrison, David Johns, Caroline Lodge, Adrian Lowe, E. Haydn Walters, Shyamali Dharmage, Melanie Matheson
PA5079	**Dietary fat is not associated with lung function in middle-age: Cross-sectional results from a cohort study** Stephanie Byrne (The University of Melbourne, Australia), Stephanie Byrne, John Burgess, Lisa Wood, Michael Abramson, Bircan Erbas, David Johns, Jennifer Perret, Adrian Lowe, E. Haydn Walters, Shyamali Dharmage, Melanie Matheson
PA5080	**LATE-BREAKING ABSTRACT: Serum 25(OH)D concentrations are associated with lung function in adolescence** Claudia Flexeder (Neuherberg, Germany), Claudia Flexeder, Elisabeth Thiering, Sibylle Koletzko, Dietrich Berdel, Irina Lehmann, Andrea von Berg, Barbara Hoffmann, Carl-Peter Bauer, Joachim Heinrich, Holger Schulz

Room 13.2 Session 529 10:45 - 12:45

Poster discussion: Asthma mechanisms and management

Chairs : Thais Mauad (Sao Paulo, Brazil), Mirjam Kool (Rotterdam, Netherlands)

PA5081	**LATE-BREAKING ABSTRACT: Inhibition of the ubiquitin-E3-ligase FBXW7 enhances steroid efficacy: New concept for treating steroid insensitivity** Marc Kaestle (Biberach, Germany), Marc Kaestle, David Wyatt, Paul Nicklin
PA5082	**LATE-BREAKING ABSTRACT: Alveolar nitric oxide, small airway physiology and plasma biomarkers following inhaled allergen challenge in asthmatic subjects** Henning Svensson (Malmö, Sweden), Henning Svensson, Zuzana Diamant, Leif Bjermer, Ellen Tufvesson
PA5083	**Airway hyperresponsiveness (AHR) of small airways assessed by impulse oscillation (IOS) in adult asthma** Hisatoshi Hijikata (Aichi, Japan), Hisatoshi Hijikata, Masaya Takemura, Norihisa Takeda, Kensuke Fukumitsu, Hiroya Ichikawa, Takamitsu Asano, Takehiro Uemura, Osamu Takakuwa, Hirotsugu Ohkubo, Ken Maeno, Yutaka Ito, Tetsuya Oguri, Atsushi Nakamura, Akio Niiimi
PA5084	**Lung overexpression of matrix metalloproteinase-2 protects against bronchial asthma** Kentaro Fujiwara (Mie, Japan), Kentaro Fujiwara, Kentaro Urata, Atsushi Tomaru, Yoshinori Takahashi, Masahiro Onishi, Takehiro Takagi, Hiroyasu Kobayashi, Corina N. D'Alessandro Gabazza, Esteban C. Gabazza, Osamu Taguchi, Tetsu Kobayashi
PA5085	**Integrins regulate eosinophil adhesion to the airway smooth muscle cells in asthma patients** Andrius Januskevicius (Kaunas, Lithuania), Andrius Januskevicius, Simona Lavinskiene, Reinoud Gosens, Deimante Hoppenot, Virginija Kalinauskaite-Zukauske, Ieva Janulaityte, Laura Tamasauskiene, Raimundas Sakalauskas, Kestutis Malakauskas
PA5086	**Biomarkers of obesity associated with severe atopic asthma** Anna Konishcheva (Moscow, Russian Federation), Anna Konishcheva, Valentina Geervazieva
PA5087	**Physiology of severe vs. mild-moderate U-BIOPRED cohorts interpreted using a computational model** Edward Ingenito (Cambridge, United States of America), Edward Ingenito, Jeanette Bigler, Dirk Smith, Ian Adcock, Anthony Rowe, Fan Chung, Ratko Djukanovic, Ana Sousa, Peter Sterk, Ajay Nirula
PA5088	**The temporal stability of coagulation and fibrinolytic factors in patients with asthma and healthy subjects** Anne de Kievit (Amsterdam, Netherlands), Anne De Kievit, Marlous Sneeboer, Christof Majoor, Joost Meijers, Rene Lutter, Tom Van der Poll, Pieter-Willem Kamphuisen, Peter Sterk, Elisabeth Bel
PA5089	**D-tryptophan influences allergic airway inflammation and Th2 immune responses** Katrin Milger (Munich, Germany), Katrin Milger, Constanze Müller, Inge Kepert, Petra Nathan, Juliano Fonseca, Kerstin Hochwind, Sabine Bartel, Oliver Eickelberg, Anton Hartmann, Philippe Schmitt-Kopplin, Susanne Krauss-Etschmann
PA5090	**Antibody responses to rhinovirus and echovirus antigens in children with asthma exacerbations** Jua Iwasaki (London, United Kingdom), Jua Iwasaki, Lee Ying Chai, Siew-Kim Khoo, Joelene Bizzintino, Ingrid A. Laing, Peter N. Le Souëf, Wayne R. Thomas, Belinda J. Hales

PA5091	**QGE031 (ligelizumab) is more effective than omalizumab and placebo in inhibiting allergen-induced early asthmatic response: Results from a predictive modeling study** Gail Gauvreau (Hamilton, Canada), Gail M. Gauvreau, Louis-Philippe Boulet, Richard Leigh, Donald W. Cockcroft, Beth E. Davis, Irvin Mayers, J. Mark FitzGerald, Barbro Dahlen, R.M. Watson, Joanne Milot, Veronica Swystun, Linda Hui, Ann-Sofie Lantz, Miranda Bowen, Jonathan Arm, Suzzane Maahs, Karin Meiser, Philip Lowe, Andrej Skerjanec, Christopher Carlsten, Karin Strandberg, Kieran J. Killian, Michele Laviolette, Anton Drollmann, Paul M. O'Byrne
PA5092	**A PKPD mathematical model to determine efficacy of multiple doses of QGE031 (ligelizumab) vs. omalizumab and placebo in inhibiting skin responses in atopic asthmatics** Philip Lowe (Basel, Switzerland), P.J. Lowe, I. Bottoli, J. Arm, A. Skerjanec, A. Groenewegen, S. Maahs
PA5093	**Serum Th2 cytokine profiles in mould sensitised adults from a large population-based cohort** Jeanette Reece (Melbourne, Australia), Jeanette Reece, Rangi Kandane-Rathnayake, Mimi Tang, Julie Simpson, Iain Feather, Melissa Southey, John Hopper, Stephen Morrison, Graham Giles, EHaydn Walters, Shyamali Dharmage, Melanie Matheson
PA5094	**The capacity of human airway epithelium to regulate T cell proliferation is reduced in asthma** Irene Heijink (Groningen, Netherlands), Irene Heijink, Paul Fitch, Janneke Heimweg, Claire Wilson, Reina Matsuda, Maarten Van den Berge, Antoon Van Oosterhout, Jurgen Schwarze
PA5095	**Azithromycin exhibits interferon-inducing properties in an experimental mouse model of asthma exacerbation** Mandy Menzel (Lund, Sweden), Mandy Menzel, Hamid Akbarshahi, Lena Uller
PA5096	**IL-4 induced changes in the Wnt signalling of bronchial epithelial cells** Katharina Dietz (Munich, Germany), Katharina Dietz, Hoeke Baarsma, Melanie Koenigshoff, Carsten Schmidt-Weber, Kathrin Suttner
PA5097	**The impact of anxiety and depression on asthma-related health outcomes: A prospective study** Anthony Yii (Singapore, Singapore), Anthony Yii, Chee Kiang Tay, Therese Lapperre, Li Leng Tan, Florence Yeoh, Mariko Koh

Room E102 Session 530 10:45 - 12:45

Poster discussion: Immunomodulation: basic science and clinical aspects

Chairs : Clifford Taggart (Belfast, United Kingdom), Markus Henke (Marburg, Germany)

PA5098	**LATE-BREAKING ABSTRACT: A lung-resident Ly6c^{+} monocyte proliferates to give rise to immunosuppressive lung macrophages** Catherine Sabatel (Sart-Tilman, Belgium), Catherine Sabatel, Coraline Radermecker, Svetoslav Chakarov, Laurence Fiévez, Geneviève Paulissen, Marie Toussaint, Christophe Desmet, Florent Ginhoux, Thomas Marichal, Fabrice Bureau
PA5099	**HMGB1 is upregulated in ASM in asthma and induces ASM contraction via TLR4** Leonarda Di Candia (Paris, France), Leonarda Di Candia, Ruth Saunders, John Challiss, Christopher Brightling
PA5100	**Wnt5a – regulator of molecular events leading to inflammation and cancer in the lung** Diána Feller (Pécs, Hungary), Diána Feller, Veronika Csöngei, Tamás Kovács, József Kun, Dávid Ernszt, Zsuzsanna Helyes, Judit E Pongrácz
PA5101	**LSC Abstract – Severity of lung tissue pathology is dictated by S. aureus toxins eliciting series of cytolytic and chemotactic responses** Srikanth Mairpady Shambat (Stockholm, Sweden), Srikanth Mairpady Shambat, Puran Chen, Anh-Thu Nguyen Hoang, Francois Vandenesch, Gerard Lina, Ian R. Monk, Timothy J. Foster, Gayathri Arakere, Mattias Svensson, Anna Norrby-Teglund
PA5102	**Tobacco smoke causes release of IL-16 protein from NK cells in vitro** Anders Andersson (Gothenburg, Sweden), Anders Andersson, Carina Malmhäll, Anders Lindén, Apostolos Bossios
PA5103	**Disease specific effects of adrenomedullin in COPD and asthma derived human bronchial epithelial cells** Jyotshna Mandal (Basel, Switzerland), Jyotshna Mandal, Michael Roth, Lukas Bubendorf, Spasenija Savic, Michael Tamm, Daiana Stolz
PA5104	**Impaired synthesis and transport of immunoglobulin A in severe asthma: Role of IL-13** Maha Zohra Ladjemi (Brussels, Belgium), Maha Zohra Ladjemi, Bruno Detry, Delphine Gras, Marylène Lecocq, Sébastien Dupasquier, Jonathan Mouthuy, Chantal Fregimilicka, Caroline Bouzin, Holly Bowen, Hannah Gould, Pascal Chanez, Charles Pilette
PA5105	**Cigarette smoke impairs Sirt1 activity and promotes pro-inflammatory responses in bronchial epithelial cells** Serena Di Vincenzo (Palermo, Italy), Serena Di Vincenzo, Mark Gjomarkaj, Jacobien Noordhoek, Maria Ferraro, Harold De Bruin, Chiara Cipollina, Dirkje Postma, Irene Heijink, Elisabetta Pace

PA5106	**Bronchodilator responsiveness is impaired in a mouse model of cigarette smoke exposure and influenza infection** Chantal Donovan (Melbourne, Australia), Chantal Donovan, Huei Jiunn Seow, Jane Bourke, Ross Vlahos
PA5107	**LSC Abstract – A functional variant of secretory leukocyte protease inhibitor (SLPI) with improved anti-inflammatory activity against pulmonary infection** Arlene Glasgow (Belfast, United Kingdom), Arlene Glasgow, Nicolas Camper, Megan Osbourn, Derek Quinn, Stuart Elborn, Rebecca Ingram, Sinead Weldon, Clifford Taggart
PA5108	**Airway epithelial cell IP-10 production is regulated by miR-31 via the transcription factor IRF-1** Sinead Weldon (Belfast, United Kingdom), Lauren Kerrigan, Cliff Taggart, Sinead Weldon
PA5109	**LSC Abstract – Cigarette smoke exposure accelerates airway mucus accumulation and inflammation in ENaC-overexpressed mice** Carolina Ballester Lopez (Munich, Germany), Carolina Ballester Lopez, Jie Jia, Marcus Mall, Oliver Eickelberg, Ali önder Yildirim
PA5110	**LSC Abstract – Interleukin-26 in antibacterial host defense of human lungs: Effects on neutrophil mobilization** Karlhans Che (Stockholm, Sweden), Karlhans Fru Che, Sara Tengvall, Bettina Levanen, Elin Silverpil, Margaretha Smith, Muhammed Awad, Max Vikström, Lena Palmberg, Ingemar Qvarfordt, Magnus Sköld, Anders Linden
PA5111	**Azithromycin differentially affects IL-13 induced periostin (POSTN), CLCA1 and SERPINB2 expression in human bronchial epithelial cells** Tinne Mertens (Leiden, Netherlands), Tinne Mertens, Pieter Hiemstra, Christian Taube
PA5112	**Endothelin receptor B protects GM-CSF mRNA from degradation in human airway smooth muscle cells** David Jungck (Bochum, Germany), David Jungck, Jürgen Knobloch, Sandra Körber, Yingfeng Lin, Jürgen Konradi, Sarah Yanik, Erich Stoelben, Andrea Koch
PA5113	**Cigarette smoke extract induces the release of extracellular vesicles by airway epithelial cells via cellular carbonyl stress** Birke Benedikter (Maastricht, Netherlands), Birke J. Benedikter, Charlotte Volgers, Guido R.M.M. Haenen, Paul H.M. Savelkoul, Emiel F.M. Wouters, Gernot G.U. Rohde, Antje R. Weseler, Frank R.M. Stassen
PA5114	**Changes of TNF-a level in bronchoalveolar fluid of patients with chronic obstructive pulmonary disease before and after the 30 days treatment with tiotropium bromide** Mariana Kulynych-Miskiv (Galych, Ukraine), Mariana Kulynych-Miskiv, Mykola Ostrovskyy, Oleksandr Varunkiv, Iryna Savelikhina
PA5115	**The human cathelicidin LL37 and mitochondrial DAMPs induce airway inflammation in epithelial cells and mice** Simon D. Pouwels (Groningen, Netherlands), Simon Pouwels, Nick Ten Hacken, Jaap Lubbers, Antoon Van Oosterhout, Martijn Nawijn, Irene Heijink

Room D201-202 Session 531 10:45 - 12:45

Poster discussion: Epidemiology, public health and economics of tobacco

Chairs : Luke J. Clancy (Dublin, Ireland), Sofia Belo Ravara (Lisbon, Portugal)

PA5116	**The association between peer, parental and tobacco product features and earlier age of onset of regular smoking among adults in 27 European countries** Filippos Filippidis (London, United Kingdom), Filippos Filippidis, Israel Agaku, Constantine Vardavas
PA5117	**Perceived ease of access to tobacco and support of total ban of tobacco among people aged 15-24 years old in 27 European countries** Filippos Filippidis (London, United Kingdom), Filippos Filippidis, Israel Agaku, Constantine Vardavas
PA5118	**Cannabis use is associated with reduced harm perception towards illicit drugs and experimentation with new psychoactive substances among European adolescents and young adults** Israel Agaku (London, United Kingdom), Israel Agaku, Uyoyo Omaduvie, Constantine Vardavas, Filippos Filippidis
PA5119	**Comparative study about perception of tobacco package disease risk warning and aware COPD among intergenerational/institutional** Tomoyasu Uno (Fukushima City, Japan), Tomoyasu Uno
PA5120	**Tackling under-diagnosis of COPD using spirometry and questionnaire: A targeted, case-finding study** Ariel Rokach (Jerusalem, Israel), Ariel Rokach, Abraham Bohadana, Nissim Arish, Ayal Romem, Chen Chen Shuali, Ofir Kotek, Hava Azulai, Gabriel Izbicki

PA5121	**Smoking prevalence, associated attitudes and comparison of negative automatic thoughts among high school students in Turkey** Murat Acat (Karabuk, Turkey), Murat Acat, çagdas öykü Memis, Muhammet Kamil Turan, Ali Ramazan Benli, Emre Taskin, Zehra Yasar, Seda Derici Memis, ümran Toru, Aylin Pihtili
PA5122	**What makes hospitality premises prone to smoke-free violation?** Elif Dagli (Istanbul, Turkey), Pinar Ay, Efza Evrengil, Murat Güner, Elif Dagli
PA5123	**Study protocol of the TiTAN Crete project: Development of a tobacco treatment training network in Crete, Greece** Charis Girvalaki (Heraklion, Greece), Charis Girvalaki, Aristoula Saridaki, Sophia Papadakis, Constantine Vardavas, Christos Lionis
PA5124	**The prevalence of smoking among residents of the Kyrgyz Republic (Utilizing the WHO STEPwise approach to surveillance (STEPS))** Alina Altymysheva (Bishkek, Kyrgyzstan), Aliina Altymysheva, Roza Djakipova, Sairagul Ryskulova, Knyazeva Valeria, Ainagul Djumagulova
PA5125	**Evalaution of smoking frequency and smoking cessation training among Turkish family physicians** Davut Baltaci (Duzce, Turkey), Davut Baltaci, Leyla Yilmaz Aydin, Ali Nihat Annakkaya, Usame Velioglu, Fatih Alasan, Feyza Sariguzel, Handan Ankarali
PA5126	**Results of Turkish smoking cessation polyclinics data's analysis (TUSPA study)** Tevfik Özlü (Trabzon, Turkey), Tevfik özlü, Funda öztuna, Mükremin Er, Leyla Yilmaz Aydin, Atilla Uysal, Tijen Sengezer, Pelin Duru çetinkaya, Zehra Yasar, Nurhan Sarioglu, Tuspa Study Group
PA5127	**Evaluation of the knowledge of health professionals about the smoking cessation program** Ilda Godoy (Botucatu, Brazil), Nadja F.T.N. Fabricio, Irma Godoy, Ilda Godoy
PA5128	**Nicotine dependence in an isolated population of Kashubians from North Poland: A population survey** Alicja Sieminska (Gdansk, Poland), Karolina Kita-Milczarska, Alicja Sieminska, Ewa Jassem
PA5129	**Assessment of smoking in a medical center hospital - What has changed after 15 years?** Inês Catarina de Sales Ribeiro (Entroncamento, Portugal), Inês Sales Ribeiro, Rafaela Campanha, Francisco Martins, Margarida Raposo, Cristina Matos, Fernando Nogueira
PA5130	**Smoking among people living with HIV and AIDS in Ireland: Prevalence among sub-groups** Kate Babineau (Dublin, Ireland), Kate Babineau, Luke Clancy, Sheila Keogan
PA5131	**The prevalence of smoking in HIV-infected patients with community-acquired pneumonia** Iosif Marincu (Timisoara, Romania), Iosif Marincu, Stefan Mihaicuta, Stefan Frent, Nicoleta Bertici, Livius Tirnea
PA5132	**Smoking cessation support program in Hungary** Erika Pataki (Budapest, Hungary), Erika Pataki, Zsofia Hodovan, Marta Fényes, Gábor Kovács, Ildikó Horváth
PA5133	**Association of weight perception and desire to quit smoking** Juan Wisnivesky (bronx, United States of America), Juan Wisnivesky, Andrew Rundle, Tracey Revenson, Alfred Neugut

World Village Auditorium — Session 67 — 09:30 - 17:15

Session world village: World Village - Day 1

Chairs :

09:30	**Opening session** Speaker to be confirmed	**411**
09:45	**Healthy Lungs for Life Campaign** **Organised by the European Lung Foundation (ELF)** Speaker to be confirmed	**412**
10:45	**Treatment in compliance increasing for TB patients using supportive groups** **Organised by the Romanian TB Patients Association (ARB-TB)** Speaker to be confirmed	**413**
11:15	**Educaxair is a mobile support service for chronic respiratory disease management for patients** **Organised by Lovexair** Speaker to be confirmed	**414**
11:30	**Polish Respiratory Society - past and present** **Organised by the Polish Respiratory Society (PTChP)** Speaker to be confirmed	**415**
12:15	**AGP** Speaker to be confirmed	**416**
13:00	**Multidisciplinary structure and educational initiatives of the Russian Respiratory Society** **Organised by the Russian Respiratory Society (RRS)** Speaker to be confirmed	**417**
13:45	**Meet the new editor of the ATS AJRCCM journal** **Organised by the American Thoracic Society (ATS)** Speaker to be confirmed	**418**
14:30	**A partnership approach to promoting lung health** **Organised by the Irish Thoracic Society (ITS)** Speaker to be confirmed	**419**
15:15	**Asthma Health Promotion Programmes targeting different communities** **Organised by the Asthma Society of Ireland (ASI)** Speaker to be confirmed	**420**
16:00	**The European Bronchiectasis Registry** **Organised by the European Multicentre Bronchiectasis Audit and Research Collaboration (EMBARC)** Speaker to be confirmed	**421**
16:45	**Paediatric sleep apnoea: the perspective of a patient organisation** **Organised by the Irish Sleep Apnoea Trust (ISAT)** Speaker to be confirmed	**422**

World Village Auditorium — Session 225 — 08:45 - 17:15

Session world village: World Village - Day 2

Chairs :

08:45	**World Village day 2**	**1906**
08:45	**Introducing ERJ Open Research - the new scientific journal from the ERS** **Organised by the European Respiratory Society (ERS)** Anita Simonds (London, United Kingdom)	**1907**
09:30	**COPD affects your lungs, pocket and social life! Real experiences from hospitals to airports** **Organised by EFA** Speaker to be confirmed	**1908**
10:15	**Czech Pneumological and Phthisiological Society – Its Activities and Perspectives** **Organised by the Czech Pneumological and Phthisiologial Society(CPFS)** Speaker to be confirmed	**1909**
11:00	**Talk 1: Highlights of the ILD India Registry** **Talk 2: EMBARC India: The Bronchiectasis Registry** **Organised by the Indian Chest Society (ICS)**	**1910**
11:45	**Social components of health and respiratory diseases- TTS perspective as a National Society** **Organised by the Turkish Thoracic Society (TTS)** Speaker to be confirmed	**1911**
12:30	**Bulgarian Respiratory Society - defining scientific excellence and standards of care more than 100 years** **Organised by the Bulgarian Respiratory Society (BRS)** Speaker to be confirmed	**1912**
13:15	**AIMAR - AIPO -SIMeR -SIMG Joint Paper “the Clinical and Integrated Management of COPD in Italy"** **Organised by the Federazione Italiana della Pneumologia (FIP)** Speaker to be confirmed	**1913**
14:00	**Fresh air from Argentina** **Organised by the Argentinian Society of Respiratory Medicine (AAMR)** Speaker to be confirmed	**1914**
14:45	**National Societies’ role in Quality Improvement** **Organised by the British Thoracic Society (BTS)** Speaker to be confirmed	**1915**
15:30	**How FFAAIR is supporting patients with a lung condition in France: patients at the patients' service** **Organised by the Fédération française des associations et amicales de malades insuffisants ou handicapés respiratoires (FFAAIR)** Speaker to be confirmed	**1916**
16:00	**European Patient Ambassador Programme** **Organised by the European Lung Foundation (ELF)** Speaker to be confirmed	**1917**
16:25	**Patient Organisations influence in EU policies for Respiratory Health** **Organised by the European Pulmonary Hypertension Europe (PHA Europe)** Speaker to be confirmed	**1918**
16:50	**ECC - helping make every voice, every step, every breath count** **Organised by the European COPD Coalition** Speaker to be confirmed	**1919**

No Room — Session — 13:15 - 13:45

Session world village: Launch Decade of the Lung (FIRS)

Chairs :

13:15

World Village Auditorium — Session 374 — 08:45 - 17:15

Session world village: World Village - Day 3

Chairs :

08:45	**The challenges and values of working in transdisciplinary consortium: the AirPROM experience in realising a meaningful computation model of the lung** **Organised by AirPROM** Speaker to be confirmed	**3416**
09:30	**Presentation of the key activities of the European LAM Foundation** **Organised by the European LAM Foundation** Speaker to be confirmed	**3417**
10:15	**Working for the cohesion of the Spanish respiratory medicine promoting research and continuing education** **Organised by the Sociedad Española de Neumología y Cirugía Torácica (SEPAR)** Speaker to be confirmed	**3418**
11:00	**Croatian Respiratory Society and Croatian Medical Association - history and activity** **Organised by the Croatian Respiratory Society (CRS)** Speaker to be confirmed	**3419**
11:45	**The Hellenic Thoracic Society, 50 years of shaping Pulmonology in Greece** **Organised by the Hellenic Thoracic Society (HTS)** Speaker to be confirmed	**3420**
12:30	**Update on key activities of the British Lung Foundation** **Organised by the British Lung Foundation (BLF)** Speaker to be confirmed	**3421**
13:15	**Inhalation Aerosols - the foundation of respiratory management** **Organised by the International Society of Aerosols in Medicine (ISAM)** Speaker to be confirmed	**3422**
14:00	**APSR and its diversity** **Organised by the Asian Pacific Society of Respirology (APSR)** Speaker to be confirmed	**3423**
14:45	**The International Medical Career: how Brazilians can apply for it** **Organised by the Sociedade Brasileira de Pneumologia e Tisiologia (SBPT)** Speaker to be confirmed	**3424**
15:30	**International ALAT congress in Santiago de Chile 2016** **Organised by the Asociación Latino Americana de Tórax (ALAT)** Speaker to be confirmed	**3425**
16:15	**Priority Scientific and Educational respiratory projects in Kyrgyzstan** **Organised by the Kyrgyz Thoracic Society (KTS)** Speaker to be confirmed	**3426**
17:00	**Israeli Hi Tech in pulmonary medicine: from the bench to the bedside** **Organised by the Israeli Society of Pulmonology (ISPM)** Speaker to be confirmed	**3427**

World Village Auditorium — Session 509 — 08:00 - 12:00

Session world village: World Village - Day 4

Chairs :

08:30	**GAAPP - a fast growing global patient organisation** **GAAPP - Patient group building in emerging countries** **Organised by the Global Allergy & Asthma Patient Platform (GAAPP)** Speaker to be confirmed	
09:00	**Burnout Among Healthcare Professionals in the ICU** **Organised by CHEST** Speaker to be confirmed	**4916**
09:45	**Awareness of respiratory problems in our region** **Organised by the Pakistan Chest Society (PCS)** Speaker to be confirmed	**4917**
10:30	**Central Eastern European networking to strengthen respiratory research and education** **Organised by the Hungarian Respiratory Society (MTT)** Speaker to be confirmed	
11:15	**A model of partnership of the Romanina Society of Pneumology and his benefits** **Organised by the Romanian Society of Pneumology (SRP)** Speaker to be confirmed	**4918**

INDUSTRY SPONSORED SESSIONS

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Room E104-106 Session 142 13:15 - 14:30

Industry practical workshop: Clinical usefulness of novel modes of non-invasive ventilation (NIV)

Organised by Philips Respironics

Chairs : Nicholas Hart (London, United Kingdom)

13:15	**Clinical Usefulness of AVAPS-AE.** Nicholas Hart (London, United Kingdom)	**1380**
13:30	**Application of Volume Targeted Pressure Support Ventilation to Reduce Hospital Readmissions** Michael Dreher (Aachen, Germany)	**1381**
13:45	**Question and Answer Session** Nicholas Hart (London, United Kingdom)	**1382**
13:50	**Hands on practical workshop with AVAPS-AE mode on the Trilogy and A40 noninvasive ventilators.**	**1383**

Room G106-107 Session 143 13:15 - 14:30

Industry practical workshop: State-of-the-art in ambulatory oxygen (AO)

Organised by Invacare International SARL

Chairs : Enrico Maria Clini (Pavullo, Italy)

13:15	**Advances in ambulatory oxygen** Enrico Maria Clini (Pavullo, Italy)	**1384**
13:25	**Ambulatory oxygen prescription in practice: portable concentrators vs liquid oxygen** Daniel Veale (Gières, France)	**1385**
13:40	**The use of pulse dose in ambulatory oxygen** João Carlos Winck (Vila Nova de Gaia, Portugal)	**1386**
13:50	**Hands-on demonstration of AO devices**	**1387**

Room E102 Session 144 13:15 - 14:30

Industry practical workshop: Practical focus on recent innovations to optimize sleep apnoea patients' compliance and quality of care

Organised by ResMed Europe

Chairs : Ramón Farré Ventura (Barcelona, Spain), Holger Woehrle (Blaubeuren, Germany)

13:15	**Gender differences in OSA, how can tailored therapy help?** Ramón Farré Ventura (Barcelona, Spain)	**1388**
13:40	**Patient engagement, the solution to increased compliance?** Hartmut Grueger (Meerbusch, Germany)	**1389**
14:05	**Hands-on session**	**1390**

Room E107 Session 145 13:15 - 14:30

Industry practical workshop: Lung clearance index - ready to use?LCI for early detection and monitoring of ventilation inhomogeneity

Organised by ndd Medizintechnik AG

Chairs : Monika Gappa (Wesel, Germany)

13:20	**Introduction into ventilation inhomogeneity, lung clearance index and the clinical relevance of early detection for patients with cystic fibrosis and Alpha-1-Antitrypsin deficiency** Bruce Thompson (Melbourne, VIC, Australia)	**1391**
13:30	**Practical workshop Multiple Breath Washout with EasyOne Pro LAB** **MBW trials will be conducted according to the SOP (SOP by Gappa/Fuchs)**	**1392**

Room E108 Session 146 13:15 - 14:30

Industry practical workshop: Flexible and rigid bronchoscopy in adults

Organised by Karl Storz GmbH & Co.KG

Chairs : Hermann Tonn (Hannover, Germany)

13:15	**Presentation about Flexible and Rigid Bronchoscopy in Adults** Hermann Tonn (Hannover, Germany)	**1393**
13:30	**Hands-on-Workshop: practical demonstration and training** Hermann Tonn (Hannover, Germany)	**1394**

Room Auditorium Session 177 17:15 - 19:15

Industry evening symposium: Meeting the patient's needs in the changing world of COPD management

Organised by Boehringer Ingelheim International GmbH

Chairs : Peter M.A. Calverley (Liverpool, United Kingdom), Klaus Friedrich Rabe (Grosshansdorf, Germany)

17:15	**Welcome and introduction** Peter M.A. Calverley (Liverpool, United Kingdom)	**1599**
17:20	**Chronic obstructive pulmonary disease (COPD) treatment over the years** Peter M.A. Calverley (Liverpool, United Kingdom)	**1600**
17:45	**Current maintenance treatment of COPD patients: when?** Richard Russell (Windsor, United Kingdom)	**1601**
18:10	**Current maintenance treatment of COPD patients: what?** Alberto Papi (Ferrara, Italy)	**1602**
18:35	**Challenges when treating COPD patients: COPD as a heterogeneous disease** Klaus Friedrich Rabe (Grosshansdorf, Germany)	**1603**
19:00	**Q&A session** Klaus Friedrich Rabe (Grosshansdorf, Germany), Alberto Papi (Ferrara, Italy), Peter M.A. Calverley (Liverpool, United Kingdom), Richard Russell (Windsor, United Kingdom)	**1604**

Room 7.2 Session 178 17:15 - 19:15

Industry evening symposium: A time to REACT: where is the ceiling of therapeutic benefit in COPD?

Organised by Takeda Pharmaceuticals International GmbH

Chairs : Fernando J. Martinez (Ann Arbor, United States of America)

17:15	**Welcome and introduction** Fernando J. Martinez (Ann Arbor, United States of America)	**1605**
17:25	**Inhaled combination therapy in severe COPD: is it enough?** Leonardo Michele Fabbri (Modena, Italy)	**1606**
17:55	**The REACT study: breaking through the ceiling of inhaled combination therapy** Fernando J. Martinez (Ann Arbor, United States of America)	**1607**
18:25	**What do the REACT data mean for clinicians?** Eric D. Bateman (Cape Town, South Africa), Leonardo Michele Fabbri (Modena, Italy), Alan Kaplan (Richmond Hill, Canada), Fernando J. Martinez (Ann Arbor, United States of America)	**1608**
19:05	**Concluding remarks** Fernando J. Martinez (Ann Arbor, United States of America)	**1609**

Room Elicium 2 Session 179 17:15 - 19:15

Industry evening symposium: COPD individualized therapy: tailored approach to symptom management

Organised by AstraZeneca and Menarini

Chairs : Bartolome R. Celli (Wellesley, United States of America)

17:15	**Welcome and introduction** Bartolome R. Celli (Wellesley, United States of America)	**1610**
17:20	**Dual bronchodilation – a new approach in individualized therapy** Dave Singh (Manchester, United Kingdom)	**1611**
17:40	**Beyond lung function – impact of COPD symptoms during the 24-hour day** Marc Miravitlles (Barcelona, Spain)	**1612**
18:00	**Patient-reported outcomes – assessing benefit** Bartolome R. Celli (Wellesley, United States of America)	**1613**
18:25	**Selecting the right treatment for the right patient** Claus Vogelmeier (Marburg, Germany)	**1614**
18:50	**Panel discussion and Q&A**	**1615**
19:10	**Closing remarks**	**1616**

Room 4.2 Session 180 17:15 - 19:15

Industry evening symposium: Making a difference in asthma

Organised by GlaxoSmithKline

Chairs : David Leather (Crewe, United Kingdom)

17:15	**Introduction and welcome** David Leather (Crewe, United Kingdom)	**1617**
17:20	**Can pharmacology help?** Neil C. Barnes (Uxbridge, United Kingdom)	**1618**
17:40	**Can medicines impact outcomes?** Kenneth R. Chapman (Toronto, Canada)	**1619**
18:10	**Can technology help?** Richard Costello (Dublin, Ireland)	**1620**
18:40	**Can new approaches help?** Peter Phillips (Stevenage, United Kingdom)	**1621**
19:00	**Questions and close** David Leather (Crewe, United Kingdom)	**1622**

Room 5.2 Session 181 17:15 - 19:15

Industry evening symposium: Strategies to improve treatment outcomes in IPF

Organised by F. Hoffmann-La Roche

Chairs : Vincent Cottin (Lyon, France), Athol Wells (London, United Kingdom)

17:15	**Welcome and opening** Athol Wells (London, United Kingdom)	**1623**
17:25	**Strategies to improve early diagnosis in IPF** Athol Wells (London, United Kingdom)	**1624**
17:50	**The importance of early treatment in IPF** Carlo Albera (Turin, Italy)	**1625**
18:15	**Optimising long-term management of patients with IPF** Vincent Cottin (Lyon, France)	**1626**
18:40	**Treatment benefits with pirfenidone¼ in IPF** Steven Nathan (Falls Church, United States of America)	**1627**
19:05	**Q&A and meeting close** Vincent Cottin (Lyon, France)	**1628**

This medicinal product is subject to additional monitoring. This will allow quick identification of new safety information. Healthcare professionals are asked to report any suspected adverse reactions. See section 4.8 for details on how to report in the SmPC.

Room Elicium 1 — Session 182 — 17:15 - 19:15

Industry evening symposium: IgE-mediated asthma: New revelations and future insights

Organised by Novartis Pharma AG

Chairs : Ratko Djukanovic (Southampton, United Kingdom)

17:15	**Asthma and allergic inflammation: Why is IgE central?** Ratko Djukanovic (Southampton, United Kingdom)	**1629**
17:35	**Targeting IgE: New revelations, new concepts** William Busse (Madison, United States of America)	**1630**
17:50	**From clinical trials to real-world data: New dimensions of patient benefits** Nicola Hanania (Houston, United States of America)	**1631**
18:10	**Which patient, what assessment and by whom?** David Price (Aberdeen, United Kingdom)	**1632**
18:30	**Focusing on your crucial questions** Ratko Djukanovic (Southampton, United Kingdom), William Busse (Madison, United States of America), Nicola Hanania (Houston, United States of America), David Price (Aberdeen, United Kingdom)	**1633**
19:00	**Future insights: IgE in 2025?** Ratko Djukanovic (Southampton, United Kingdom)	**1634**

Room 5.1 — Session 183 — 17:15 - 19:15

Industry evening symposium: Inhaler devices: the past, the present, and the future

Organised by TEVA Pharmaceuticals Europe BV

Chairs : Richard Dekhuijzen (Nijmegen, Netherlands)

17:15	**Welcome and introduction** Richard Dekhuijzen (Nijmegen, Netherlands)	**1635**
17:20	**Are inhalers failing our patients?** Gary Wong (Shatin, Hong Kong)	**1636**
17:45	**Improving patient outcomes and adherence in asthma: all devices are not equal** Johann Christian Virchow (Rostock, Germany)	**1637**
18:10	**Can an intuitive device reduce critical errors?** Richard Dekhuijzen (Nijmegen, Netherlands)	**1638**
18:35	**A real-life inhaler that the patient can and will use: what are we still missing?** Henry Chrystyn (Bingley, United Kingdom)	**1639**
19:00	**Q&A session and close** Richard Dekhuijzen (Nijmegen, Netherlands)	**1640**

Room 13.1 — Session 184 — 17:15 - 19:15

Industry evening symposium: Advancing the evidence base of coils for the treatment of severe emphysema: analyses from large-scale randomized and non-randomized programs

Organised by PneumRx, Inc.

Chairs : Charles-Hugo Marquette (Nice, France), Pallav L Shah (London, United Kingdom)

17:15	**Welcome** Charles-Hugo Marquette (Nice, France)	**1641**
17:20	**Mechanism of action** Charles-Hugo Marquette (Nice, France)	**1642**
17:35	**Pulmonary perfusion after Coil implantation** Paola Gasche Soccal (Geneva, Switzerland)	**1643**
17:50	**The REVOLENS program: insights from a large-scale randomized controlled study** Gaëtan Deslee (Reims, France)	**1644**

18:10	**The European Registry: learnings of a large-scale post-market observational program** Martin Hetzel (Stuttgart, Germany)	**1645**
18:30	**The RESET Program: 12m follow-up of the first randomized controlled study with Coils** Pallav L Shah (London, United Kingdom)	**1646**
18:45	**The RENEW program: overview of methodology of the US IDE study** Frank Sciurba (Pittsburgh, United States of America)	**1647**
19:00	**Q&A** Pallav L Shah (London, United Kingdom)	**1648**

Room 2.1 Session 185 17:15 - 19:15

Industry evening symposium: A comprehensive approach to PAH – the patient journey

Organised by Actelion Pharmaceuticals Ltd

Chairs : Gérald Simonneau (Le Kremlin-Bicêtre, France), Sanjay Mehta (London, Canada)

17:15	**Introduction** Gérald Simonneau (Le Kremlin-Bicêtre, France)	**1649**
17:25	**Psychosocial aspects of PAH: what are they and how do patients cope? - A case study** Karen Olsson (Hannover, Germany)	**1650**
17:45	**PAH management - Addressing quality of life and functional capacity** Marion Delcroix (Leuven, Belgium)	**1651**
18:05	**Living with PAH - improving outcomes for our patients** Sean Gaine (Dublin, Ireland)	**1652**
18:25	**Addressing the daily impact of PAH - putting the patient at the centre** Luke Howard (London, United Kingdom)	**1653**
18:45	**The patients' voice - are they being heard by health authorities?** Per Nilsson (Allschwil, Switzerland)	**1654**
19:00	**Panel discussion**	**1655**

Room 4.1 Session 186 17:15 - 19:15

Industry evening symposium: Exploring the bronchial tree in asthma: large & small airways, and real-life outcomes

Organised by Mundipharma International Ltd

Chairs : Thys Van Der Molen (Groningen, Netherlands)

17:15	**Welcome and introduction** Thys Van Der Molen (Groningen, Netherlands)	**1656**
17:25	**Bypassing the oropharynx** Omar Usmani (London, United Kingdom)	**1657**
17:45	**Navigating to the large airways and beyond** Nicolas Roche (Paris, France)	**1658**
18:05	**Branching out to the small airways** Gregory King (Sydney, Australia)	**1659**
18:25	**Fruition in real-world practice** Thys Van Der Molen (Groningen, Netherlands)	**1660**
18:50	**Discussion**	**1661**
19:10	**Summary and close** Thys Van Der Molen (Groningen, Netherlands)	**1662**

Room Emerald — Session 187 — 17:15 - 19:15

Industry evening symposium: New horizons in COPD: detecting and managing patients with Alpha-1-Antitrypsin Deficiency

Organised by Grifols

Chairs : James K. Stoller (Cleveland, United States of America)

17:15	**Welcome and Introduction** James K. Stoller (Cleveland, United States of America)	**1663**
17:20	**New insights on detection and awareness of alpha-1-antitrypsin (AAT) deficiency: Experience in two regions--Europe and Latin America** Maria Campos Miranda Duarte Sucena (Leça da Palmeira, Portugal), Jose Roberto De Brito Jardim (Sao Paulo, Brazil)	**1664**
18:00	**Emphysema in alpha-1 antitrypsin deficiency: clinical features and challenges** **Bronchiectasis and small airways disease: clinical features and challenges** James K. Stoller (Cleveland, United States of America), Tobias Welte (Hannover, Germany)	**1665**
18:40	**ALTA Award: Introduction of the 2015 winning projects**	**1666**
18:50	**ALTA Award: Presentation of the results of the 2014 winning projects** Marco Fumagalli (Pavia, Italy), Cormac McCarthy (Dublin, Ireland)	**1667**
19:00	**General discussion and closing remarks**	**1668**

Room E104-106 — Session 188 — 17:30 - 19:00

Industry evening mini symposium: The clinical evidence supporting LVR therapy

Organised by Pulmonx International SARL

Chairs : Felix J.F. Herth (Heidelberg, Germany)

17:30	**Welcome** Felix J.F. Herth (Heidelberg, Germany)	**1669**
17:35	**BeLieVeR full set of results** Nick Hopkinson (London, United Kingdom)	**1670**
17:55	**STELVIO** Dirk-Jan Slebos (Groningen, Netherlands)	**1671**
18:10	**Pneumothorax Algorithm with Case Reports** Arschang Valipour (Vienna, Austria)	**1672**
18:25	**Treatment algorithm** Felix J.F. Herth (Heidelberg, Germany)	**1673**
18:40	**Panel discussions - interaction with the audience**	**1674**

Room D201-202 — Session 189 — 17:30 - 19:00

Industry evening mini symposium: Long-term NIV in COPD – who and when?

Organised by ResMed

Chairs : Peter J. Wijkstra (Groningen, Netherlands), Wolfram Windisch (Cologne, Germany)

17:30	**NIV for chronic COPD – when and how?** Thomas Koehnlein (Leipzig, Germany)	**1675**
18:00	**Telemonitoring for COPD-patients!** Christine Cheval (Hyères, France)	**1676**
18:30	**International practise of HMV for COPD! Round table discussion with European experts** Wolfram Windisch (Cologne, Germany), Peter J. Wijkstra (Groningen, Netherlands), Thomas Koehnlein (Leipzig, Germany), Stefano Nava (Bologna, Italy), Nicholas Hart (London, United Kingdom), Jean-Louis Pepin (Grenoble, France)	**1677**

Room G104-105 Session 195 07:00 - 08:15

Industry early morning symposium: IGRAs in clinical practice: institutional experience and case review

Organised by Oxford Immunotec

Chairs : Ali Juzar (New Orleans, United States of America)

07:00	**IGRAs in Clinical Practice: Institutional Experience and Case Review** Ali Juzar (New Orleans, United States of America)	**1682**
07:50	**Question & Answer session**	**1683**

Room E104-106 Session 298 13:15 - 14:30

Industry practical workshop: Bronchial Thermoplasty: Once in a lifetime treatment in severe asthma.

Organised by Boston Scientific International SA

Chairs : Robert Niven (Manchester, United Kingdom)

13:15	**Opening** Robert Niven (Manchester, United Kingdom)	**2833**
13:20	**Efficacy and safety of BT** Pallav L Shah (London, United Kingdom)	**2834**
13:30	**BT in the guidelines. What is new?** Pascal Chanez (Marseille, France)	**2835**
13:40	**Mechanism of action of BT** Robert Niven (Manchester, United Kingdom)	**2836**
13:50	**ASMATHERM trial, latest news** Michel Aubier (Paris, France)	**2837**
14:00	**Q&A and wrap up** Robert Niven (Manchester, United Kingdom)	**2838**
14:10	**Hands on**	**2839**

Room G106-107 Session 299 13:15 - 14:30

Industry practical workshop: Non-invasive ventilation in chronic respiratory failure

Organised by Weinmann

Chairs : Thomas Koehnlein (Leipzig, Germany)

13:15	**New evidence for NIV in chronic hypercapnic COPD** Thomas Koehnlein (Leipzig, Germany)	**2840**
13:35	**Chronic NIV for COPD patients: What did we learn from the RCTs and what from the clinical practice** Stefano Nava (Bologna, Italy)	**2841**
14:00	**Hands-on session** Jörg Lessau, Thomas Stuht	**2842**
14:25	**Closing remarks** Thomas Koehnlein (Leipzig, Germany)	**2843**

Room E102 Session 300 13:15 - 14:30

Industry practical workshop: Hands-on FeNO: practical workshop on monitoring airway inflammation to improve asthma outcomes

Organised by Aerocrine AB

Chairs : Adnan Custovic (Manchester, United Kingdom)

13:15	**Practical: HandsOn with FeNO with NIOX®**	**2844**
13:33	**Educational: Patients case stories**	**2845**
13:51	**Non-adherence in difficult asthma** Liam Heaney (Belfast, United Kingdom)	**2846**
14:09	**The value of FeNO in childhood asthma** Giorgio Piacentini (Verona, Italy)	**2847**

Room D201-202 Session 301 13:15 - 14:30

Industry practical workshop: Electromagnetic Navigation Bronchoscopy™: the evolution of diagnosing and treating lung disease – a global perspective

Organised by Medtronic

Chairs : Amy E. Pollack (Mansfield, United States of America)

13:15	**Introduction**	
13:20	**Lung cancer diagnostics – evidence and challenges** Lars Hagmeyer (Haan, Germany)	**2848**
13:30	**ENB™ - A surgeon's perspective** Douglas James Minnich (Birmingham, United States of America)	**2849**
13:40	**ENB™ – An interventional pulmonologist's perspective** Susan Garwood (Nashville, United States of America)	**2850**
13:50	**Hands-on session**	

Room E107 Session 302 13:15 - 14:30

Industry practical workshop: Hands-on practice with PneumRx Coils for treatment of severe emphysema

Organised by PneumRx, Inc.

Chairs : Dirk-Jan Slebos (Groningen, Netherlands)

13:15	**Welcome and Introduction** Dirk-Jan Slebos (Groningen, Netherlands)	**2852**
13:17	**Mechanism of action & high-level overview of clinical results** Dirk-Jan Slebos (Groningen, Netherlands)	**2853**
13:40	**Practical Demonstration & Hands-on practice at 5 workstations** Dirk-Jan Slebos (Groningen, Netherlands), Javier FLANDES ALDEYTURRIAGA (Madrid, Spain), Enrique Cases Viedma (Valencia, Spain), Hervé Dutau (Marseille, France), Thomas Blankenburg (Hohenweiden, Germany), Hans Klose (Hamburg, Germany)	**2854**
14:25	**Conclusions and wrap-up** Dirk-Jan Slebos (Groningen, Netherlands)	**2855**

Room E108 Session 303 13:15 - 14:30

Industry practical workshop: Best practice in life-support and non-life-support – meet the experts!

Organised by ResMed Europe

Chairs : Holger Woehrle (Blaubeuren, Germany)

13:15	**Invasive ventilation with vented technology!** Ruth Wakeman (London, United Kingdom)	**2856**
13:40	**Identification and set up of COPD-patients: best practice!** Martin Bachmann (Hamburg, Germany)	**2857**
14:05	**iVAPS and AutoEPAP – why and when?** Cesare Gregoretti (Turin, Italy)	**2858**

Room Auditorium Session 329 17:15 - 19:15

Industry evening symposium: Current thinking and new paradigm for COPD

Organised by Novartis Pharma AG

Chairs : Tobias Welte (Hannover, Germany)

17:15	**Chair's welcome and introduction** Tobias Welte (Hannover, Germany)	**3074**
17:20	**Dual bronchodilation: back to the future** Kenneth R. Chapman (Toronto, Canada)	**3075**
17:40	**The LABA/LAMA class: current evidence and key learnings for COPD patient care** Tobias Welte (Hannover, Germany)	**3076**
18:05	**Panel Q&A session**	**3077**
18:15	**Changing our thinking about exacerbation prevention in COPD** Helgo Magnussen (Grosshansdorf, Germany)	**3078**
18:40	**From evidence to practice: choosing the appropriate therapeutic options** Marc Miravitlles (Barcelona, Spain)	**3079**
19:05	**Panel Q&A session and chair's conclusions** Tobias Welte (Hannover, Germany)	**3080**

Room Elicium 2 Session 330 17:15 - 19:15

Industry evening symposium: COPD: a journey towards individualised treatment

Organised by GlaxoSmithKline

Chairs : Dave Singh (Manchester, United Kingdom), Neil C. Barnes (Uxbridge, United Kingdom)

17:15	**Introduction and welcome** Dave Singh (Manchester, United Kingdom), Neil C. Barnes (Uxbridge, United Kingdom)	**3081**
17:20	**Beginning the journey: considering the issues for patients and clinicians** Nicolas Roche (Paris, France)	**3082**
17:45	**The benefit of maximising bronchodilatation: new insights** Dave Singh (Manchester, United Kingdom)	**3083**
18:10	**Inhaled steroids in COPD: understanding the data behind the debate** Neil C. Barnes (Uxbridge, United Kingdom)	**3084**
18:35	**A roadmap towards individualised treatment** Paul Jones (London, United Kingdom)	**3085**
19:00	**Questions and close** Dave Singh (Manchester, United Kingdom), Neil C. Barnes (Uxbridge, United Kingdom)	**3086**

Room 4.2 Session 331 17:15 - 19:15

Industry evening symposium: The challenge of treating uncontrolled asthma on Step 3 and higher: comparing options

Organised by Boehringer Ingelheim International GmbH

Chairs : Huib A.M. Kerstjens (Groningen, Netherlands), Eric D. Bateman (Cape Town, South Africa)

17:15	**Welcome and introduction** Huib A.M. Kerstjens (Groningen, Netherlands)	**3087**
17:20	**Current options and approaches** Eric D. Bateman (Cape Town, South Africa)	**3088**
17:45	**Anticholinergics: A recent addition** Huib A.M. Kerstjens (Groningen, Netherlands)	**3089**
18:10	**What next? Targeted treatments and personalised medicine** J. Mark Fitzgerald (Vancouver, Canada)	**3090**

18:35	**Improving collaborative care in asthma: An introduction to motivational communication** Kim Lavoie (Montréal, Canada)	**3091**
19:00	**Q&A and closing summary** Eric D. Bateman (Cape Town, South Africa)	**3092**

Room 5.2 Session 332 17:15 - 19:15

Industry evening symposium: Frontiers and perspectives for chronic obstructive pulmonary disease

Organised by AstraZeneca

Chairs : Klaus Friedrich Rabe (Grosshansdorf, Germany), Leonardo Michele Fabbri (Modena, Italy)

17:15	**Welcome and introduction** Leonardo Michele Fabbri (Modena, Italy)	**3093**
17:30	**Delivering inhaled drugs to the lungs novel technologies** Klaus Friedrich Rabe (Grosshansdorf, Germany)	**3094**
17:50	**New clinical data for a novel drug combination** Gary T. Ferguson (Livonia, United States of America)	**3095**
18:20	**Weighing the evidence drug safety** Stephen Rennard (Omaha, United States of America)	**3096**
18:40	**Placing novel drugs in clinical practice implications and future perspectives** Fernando J. Martinez (Ann Arbor, United States of America)	**3097**
18:55	**Q&A**	**3098**
19:10	**Closing remarks** Klaus Friedrich Rabe (Grosshansdorf, Germany)	**3099**

Room Elicium 1 Session 333 17:15 - 19:15

Industry evening symposium: Idiopathic pulmonary fibrosis – where real world meets science

Organised by Boehringer Ingelheim International GmbH

Chairs : Athol Wells (London, United Kingdom), Kevin Brown (Denver, United States of America)

17:15	**Welcome and introduction** Athol Wells (London, United Kingdom)	**3100**
17:20	**Real-world management of IPF in Australia** Tamera Corte (Camperdown, Australia)	**3101**
17:35	**Real-world management of IPF in Germany: INSIGHTS-IPF** Juergen Behr (Munich, Germany)	**3102**
17:50	**Q&A**	**3103**
17:55	**Diagnosis of IPF: Imaging challenges** David Hansell (London, United Kingdom)	**3104**
18:15	**Strict diagnostic criteria versus a working diagnosis of IPF: A debate** Athol Wells (London, United Kingdom), Kevin Brown (Denver, United States of America)	**3105**
18:40	**Long-term experience with nintedanib in IPF: INPULSIS-ON®** Bruno Crestani (Paris, France)	**3106**
19:10	**Summary and conclusion** Kevin Brown (Denver, United States of America)	**3107**

Room 5.1 Session 334 17:15 - 19:15

Industry evening symposium: Closer to asthma in clinical practice: small airways in real life

Organised by Takeda Pharmaceuticals International GmbH

Chairs : David Price (Daly City, United States of America)

17:15	**Welcome and introduction** David Price (Aberdeen, United Kingdom)	**3108**
17:25	**The role of small airways in the development of asthma and its clinical course** Leif Bjermer (Lund, Sweden)	**3109**
17:55	**Real-life studies: completing the clinical picture** David Price (Aberdeen, United Kingdom)	**3110**
18:25	**Extra-fine ciclesonide: a real-life perspective** Thys Van Der Molen (Groningen, Netherlands)	**3111**
18:55	**Q&A and concluding remarks** David Price (Aberdeen, United Kingdom), Leif Bjermer (Lund, Sweden), Thys Van Der Molen (Groningen, Netherlands)	**3112**

Room 13.1 Session 335 17:15 - 19:15

Industry evening symposium: Treating inadequately controlled asthma: exploring the potential of phenotype-targeted therapy

Organised by TEVA Pharmaceuticals Europe BV

Chairs : Mario Castro (St. Louis, United States of America)

17:15	**Welcome and introduction** Mario Castro (St. Louis, United States of America)	**3113**
17:25	**Inadequately controlled asthma: the unmet needs and impact on asthma management** Ratko Djukanovic (Southampton, United Kingdom)	**3114**
17:55	**Treating inadequately controlled asthma: the role of the eosinophil** Michael Wechsler (Denver, United States of America)	**3115**
18:25	**The clinical benefits of reducing IL-5 signalling among inadequately controlled asthma patients: the latest evidence** Mario Castro (St. Louis, United States of America)	**3116**
18:55	**Q&A session and close** Mario Castro (St. Louis, United States of America)	**3117**

Room 2.1 Session 336 17:15 - 19:15

Industry evening symposium: Putting the spotlight on Type 2 biomarkers in severe asthma

Organised by F. Hoffmann-La Roche Ltd

Chairs : Roland Buhl (Mainz, Germany)

17:15	**Introduction: Managing uncontrolled asthma** Roland Buhl (Mainz, Germany)	**3118**
17:30	**Chair-led discussion** **- Why do we have patients with uncontrolled asthma?** **- Can we identify patients most likely to be uncontrolled?** **- What data can we collect and how can it be used to discover more about our patients' asthma?** Roland Buhl (Mainz, Germany), Nicola Hanania (Houston, United States of America), Liam Heaney (Belfast, United Kingdom), Martin Myers (Preston, United Kingdom), Dirkje S. Postma (Groningen, Netherlands)	**3119**
18:55	**Chair summary** Roland Buhl (Mainz, Germany)	**3120**
19:00	**Q&A**	**3121**

Room 4.1 Session 337 17:15 - 19:15

Industry evening symposium: Changing PH patients' lives: long-term evidence for riociguat in the management of PH[1,2]

Organised by Bayer HealthCare Pharmaceuticals

Chairs : H. Ardeschir Ghofrani (Giessen, Germany), Gérald Simonneau (Le Kremlin-Bicêtre, France)

17:15	**Opening and introduction** Gérald Simonneau (Le Kremlin-Bicêtre, France)	3122
17:20	**Where are we now in the long-term management of PAH and CTEPH? Hits and misses of medical treatments** Harrison Farber (Boston, United States of America)	3123
17:40	**Can we change the long-term outlook for patients with PAH and CTEPH? Evidence from PATENT-2 and CHEST-2** Marius M. Hoeper (Hannover, Germany)	3124
18:05	**Can we sustain change for patients with PAH? Long-term evidence for riociguat in PAH-CTD** Chris Denton (London, United Kingdom)	3125
18:25	**Can we sustain change for patients with inoperable or persistent/recurrent CTEPH?** Nick Kim (La Jolla, San Diego, United States of America), Irene Lang (Vienna, Austria)	3126
19:05	**Discussion and conclusion** H. Ardeschir Ghofrani (Giessen, Germany)	3127

Room Emerald Session 338 17:30 - 19:00

Industry evening mini symposium: Sleep-disordered breathing in HF, SERVE HF results and beyond

Organised by ResMed

Chairs : Anita Simonds (London, United Kingdom), Raphael Heinzer (Lausanne, Switzerland)

17:30	**ASV impact on morbi-mortality and heart function** Martin Cowie (London, United Kingdom)	3128
17:50	**ASV compliance, impact on sleep & QOL** Helmut Teschler (Essen, Germany)	3129
18:10	**Learnings form the SERVE-HF PSG Core Lab** Patrick Levy (Grenoble, France)	3130
18:30	**Implication & perspective for sleep medicine, is there a room for ASV therapy after SERVE HF?** Marie-Pia D'Ortho (Paris, France)	3131
18:50	**Panel discussion** Anita Simonds (London, United Kingdom), Helmut Teschler (Essen, Germany), Patrick Levy (Grenoble, France), Holger Woehrle (Blaubeuren, Germany), Marie-Pia D'Ortho (Paris, France), Raphael Heinzer (Lausanne, Switzerland)	3132

Room E104-106 Session 339 17:30 - 19:00

Industry evening mini symposium: Augmentation therapy in alpha-1 antitrypsin deficiency: the evidence for efficacy

Organised by CSL Behring

Chairs : Noel Gerard McElvaney (Dublin, Ireland)

17:30	**Welcome and Introduction** Noel Gerard McElvaney (Dublin, Ireland)	3133
17:35	**Anti-inflammatory properties of A1-PI augmentation therapy** Emer Reeves (Dublin, Ireland)	3134
17:50	**Q&A** Emer Reeves (Dublin, Ireland)	3135
17:55	**The relevance of CT lung density for assessing emphysema in AATD** David G Parr (Coventry, Warwickshire, United Kingdom)	3136
18:10	**Q&A** David G Parr (Coventry, Warwickshire, United Kingdom)	3137
18:15	**Efficacy of A1-PI augmentation therapy: a review of evidence from randomised controlled trials** Niels Seersholm (Copenhagen, Denmark)	3138

18:30	**The RAPID trial: evidence for the efficacy of A1-PI augmentation therapy** Kenneth R. Chapman (Toronto, Canada)	**3139**
18:45	**Q&A** Niels Seersholm (Hellerup, Denmark), Kenneth R. Chapman (Toronto, Canada)	**3140**
18:55	**Closing Remarks** Noel Gerard McElvaney (Dublin, Ireland)	**3141**

Room G102-103 Session 340 17:30 - 19:00

Industry evening mini symposium: Early diagnosis, new guidelines: a fresh view of PAH management

Organised by GlaxoSmithKline

Chairs : Anton Vonk Noordegraaf (Amsterdam, Netherlands), Jean-Luc Vachiery (Brussels, Belgium)

17:30	**Opening Statement** Anton Vonk Noordegraaf (Amsterdam, Netherlands)	**3142**
17:35	**New guidelines for a new age of PAH management.** Jean-Luc Vachiery (Brussels, Belgium)	**3143**
17:55	**ERAs and PDE5is: complementary modes of action?** Walter E Haefeli (Heidelberg, Germany)	**3144**
18:15	**The role of Imaging in the diagnosis of PAH** Anton Vonk Noordegraaf (Amsterdam, Netherlands)	**3145**
18:35	**Patient choice: its role in the treatment of PAH** Luke Howard (London, United Kingdom)	**3146**
18:55	**Closing Statement** Jean-Luc Vachiery (Brussels, Belgium)	**3147**

Room G104-105 Session 341 17:30 - 19:00

Industry evening mini symposium: Long-term oxygen therapy in real life practice

Organised by Invacare

Chairs : Jean-François Muir (Rouen, France)

17:30	**Welcome and introduction** Jean-François Muir (Rouen, France)	**3148**
17:40	**Current indications of LTOT** Michael J. Kampelmacher (Utrecht, Netherlands)	**3149**
18:00	**LTOT during exercise** Isabelle Vivodtzev (Echirolles, France)	**3150**
18:25	**Health economic aspects of LTOT** Stuart Little (Dumfries and Galloway, United Kingdom), Phyllis Murphie (Dumfries, United Kingdom)	**3151**
18:50	**Panel Discussion - interaction with the audience** Stuart Little (Dumfries and Galloway, United Kingdom), Phyllis Murphie (Dumfries, United Kingdom), Jean-François Muir (Rouen, France), Isabelle Vivodtzev (Echirolles, France), Michael J. Kampelmacher (Utrecht, Netherlands)	**3152**

Room G106-107 Session 342 17:30 - 19:00

Industry evening mini symposium: Beyond current RTI treatments: new pathways to recovery

Organised by Dr. Willmar Schwabe Pharmaceuticals

Chairs : Andreas Schapowal (Landquart, Switzerland)

17:30	**Introduction** Andreas Schapowal (Landquart, Switzerland)	**3153**

17:35	**Viral RTIs: Situation mostly harmless – Antibiotics mostly useless** Philip Tarr (Bruderholz, Switzerland)	**3154**
17:55	**Positively moving forward: Overview of clinical data on EPs® 7630** Matthias Tisch (Ulm, Germany)	**3155**
18:30	**Efficacy in day-to-day practice: Personal experience with EPs® 7630** Andreas Schapowal (Landquart, Switzerland)	**3156**
18:45	**Question & Answer Session**	**3157**

Room D203-204 Session 343 17:30 - 19:00

Industry evening mini symposium: Maximizing responder rates with quantitative CT analysis and best practices in valve therapy

Organised by Olympus Europa SE & Co. KG

Chairs : Franz Stanzel (Hemer, Germany), Michela Bezzi (Brescia, Italy), Maren Schuhmann (Heidelberg, Germany), Ralf Eberhardt (Heidelberg, Germany)

17:30	**Welcome and introduction to considerations to maximize responder rates in clinical practice** Ralf Eberhardt (Heidelberg, Germany)	**3158**
17:50	**Best Practices and clinical evidence in quantitative CT analysis for patient selection** Maren Schuhmann (Heidelberg, Germany)	**3159**
18:10	**Best Practices and considerations for valve placement** Franz Stanzel (Hemer, Germany)	**3160**
18:30	**Best Practices and optimal patient follow-up** Michela Bezzi (Brescia, Italy)	**3161**

Room E102 Session 344 17:30 - 19:00

Industry evening mini symposium: Targeted lung denervation in patients with moderate to severe COPD

Organised by Holaira

Chairs : Felix J.F. Herth (Heidelberg, Germany), Alvar Agusti Garcia-Navarro (Barcelona, Spain)

17:30	**Welcome** Felix J.F. Herth (Heidelberg, Germany), Alvar Agusti Garcia-Navarro (Barcelona, Spain)	**3162**
17:35	**Cholinergic pathways and the need for new therapies in COPD** Reinoud Gosens (Groningen, Netherlands)	**3163**
17:43	**Mechanism of action and the Holaira lung denervation system** Martin Mayse (Plymouth, United States of America)	**3164**
18:00	**Long-term safety and efficacy of targeted lung denervation (TLD) in 37 COPD patients** Arschang Valipour (Vienna, Austria)	**3165**
18:20	**Phase A results from the Airflow-1 trial** Dirk-Jan Slebos (Groningen, Netherlands)	**3166**
18:40	**Panel discussion and Q&A** Dirk-Jan Slebos (Groningen, Netherlands), Arschang Valipour (Vienna, Austria), Martin Mayse (Plymouth, United States of America), Felix J.F. Herth (Heidelberg, Germany), Reinoud Gosens (Groningen, Netherlands), Alvar Agusti Garcia-Navarro (Barcelona, Spain)	**3167**

Room D201-202 Session 345 17:30 - 19:00

Industry evening mini symposium: Prostanoid therapy: identifying responders and achieving rapid optimisation of dose.

Organised by United Therapeutics Europe Ltd.

Chairs : Ekkehard Grünig (Heidelberg, Germany)

17:30	**Chairman's introduction** Ekkehard Grünig (Heidelberg, Germany)	**3168**
17:35	**Predicting PAH patients response to therapy: the role of haemodynamics.** Nika Skoro-Sajer (Vienna, Austria)	**3169**
17:55	**Key determinants to improve prognosis in PAH.** Carmine Dario Vizza (Rome, Italy)	**3170**
18:15	**How to use parenteral prostanoids effectively.** Stephan Rosenkranz (Cologne, Germany)	**3171**
18:35	**Faculty and audience discussion.** Ekkehard Grünig (Heidelberg, Germany)	**3172**
18:55	**Chairman's closing remarks.** Ekkehard Grünig (Heidelberg, Germany)	**3173**

Room G104-105 Session 348 07:00 - 08:15

Industry early morning symposium: Multidisciplinary approaches in the personalized care of the ALK + NSCLC patient

Organised by Novartis Pharma AG

Track(s) : Oncology

Chairs : Egbert E.F. Smit (Amsterdam, Netherlands)

07:00	**Welcome and introduction** Egbert E.F. Smit (Amsterdam, Netherlands)	**3182**
07:05	**How novel targeted therapies have changed patient outcomes in ALK+ NSCLC** Egbert E.F. Smit (Amsterdam, Netherlands)	**3183**
07:30	**Molecular characterization and diagnosis of ALK+NSCLC** Lukas Bubendorf (Basel, Switzerland)	**3184**
07:50	**The key role of pulmonologists in the NSCLC multidisciplinary team** Jacques Cadranel (Paris, France)	**3185**
08:10	**Closing remarks** Egbert E.F. Smit (Amsterdam, Netherlands)	**3186**

Room E102 Session 445 13:15 - 14:30

Industry practical workshop: Perspectives for ASV therapy in complex sleep disordered breathing - interactive clinical cases

Organised by ResMed Europe

Chairs : Holger Woehrle (Blaubeuren, Germany)

13:15	**Introduction** Marie-Pia D'Ortho (Paris, France), Holger Woehrle (Blaubeuren, Germany)	**4406**
13:40	**3 interactive clinical cases** Michael Arzt (Regensburg, Germany)	**4407**

Room E107 Session 447 13:15 - 14:30

Industry practical workshop: Medical Thoracoscopy

Organised by Karl Storz GmbH & Co.KG

Chairs : Ralf Heine (Halle, Germany)

13:15	**Presentation about Medical Thoracoscopy** Ralf Heine (Halle, Germany)	**4413**
13:30	**Hands-on workshop: practical demonstration and training** Ralf Heine (Halle, Germany)	**4414**

Room 5.2 Session 471 17:15 - 19:15

Industry evening symposium: Addressing the goals of asthma management across the spectrum of the disease

Organised by AstraZeneca

Chairs : Paul M. O'Byrne (Hamilton, Canada), Reynold Panettieri (Philadelphia, United States of America)

17:15	**Introduction** Paul M. O'Byrne (Hamilton, Canada)	**4633**
17:20	**Asthma control across the spectrum - Current definitions, and how well do we achieve and maintain it?** Reynold Panettieri (Philadelphia, United States of America)	**4634**
17:40	**Mild asthma - What are the current and potential future treatment options?** Paul M. O'Byrne (Hamilton, Canada)	**4635**

18:00	**Severe asthma - What are the current and potential future treatment options?** Andrew Menzies-Gow (London, United Kingdom)	**4636**
18:20	**Asthma COPD Overlap Syndrome - What is this overlap syndrome? COPD and asthma are different diseases** Kjell Larsson (Stockhlom, Sweden)	**4637**
18:40	**Asthma COPD Overlap - How do we manage COPD with asthma features and asthma with a COPD component?** Peter Lange (Hvidovre, Denmark)	**4638**
19:00	**Panel debate**	**4639**
19:10	**Closing remarks** Reynold Panettieri (Philadelphia, United States of America)	**4640**

Room Elicium 1 Session 472 17:15 - 19:15

Industry evening symposium: Profiles of COPD and what can be achieved with treatment

Organised by Boehringer Ingelheim International GmbH

Chairs : Klaus Friedrich Rabe (Grosshansdorf, Germany)

17:15	**Welcome and introduction** Klaus Friedrich Rabe (Grosshansdorf, Germany)	**4641**
17:20	**Typical patients with chronic obstructive pulmonary disease (COPD) in a primary care physician's office: What they really suffer from and what we can do** Alan Kaplan (Richmond Hill, Canada)	**4642**
17:45	**Achievable goals for the comprehensive treatment of COPD in a specialist practice** Mina Gaga (Athens, Greece)	**4643**
18:10	**Objectives of hospital treatment for patients with severe exacerbations and very severe COPD** David Michael George Halpin (Exeter Devon, United Kingdom)	**4644**
18:35	**Clinical trials in COPD: Are they relevant for clinical practice?** Klaus Friedrich Rabe (Grosshansdorf, Germany)	**4645**
19:00	**Q&A** Klaus Friedrich Rabe (Grosshansdorf, Germany), Mina Gaga (Athens, Greece), David Michael George Halpin (Exeter Devon, United Kingdom), Alan Kaplan (Richmond Hill, Canada)	**4646**
19:10	**Closing remarks** Klaus Friedrich Rabe (Grosshansdorf, Germany)	**4647**

Room Forum Session 473 17:15 - 19:15

Industry evening symposium: Small airways, to treat or not to treat: what is the benefit?

Organised by Chiesi Farmaceutici SpA

Chairs : Omar Usmani (London, United Kingdom), Dirkje S. Postma (Groningen, Netherlands)

17:15	**Atlantis, the small airways study** Dirkje S. Postma (Groningen, Netherlands)	**4648**
17:45	**Inflammation and obstruction: spot the connection in asthma and COPD** Nicolas Roche (Paris, France)	**4649**
18:15	**Inhaler devices: is it all about ease of use?** Federico Lavorini (Florence, Italy)	**4650**
18:45	**Small airways, to treat or not to treat: that is the question.** Omar Usmani (London, United Kingdom)	**4651**

Room 2.1 Session 474 17:15 - 19:15

Industry evening symposium: Asthma control in real life: bridging the gap

Organised by CIPLA

Chairs : John Haughney (Aberdeen, United Kingdom), Johann Christian Virchow (Rostock, Germany)

17:15	**State of the union on asthma control.** Monica Kraft (Tucson, United States of America)	4652
17:45	**What is the missing ingredient in achieving asthma control?** Eric D. Bateman (Cape Town, South Africa)	4653
18:15	**Do we need real life asthma guidelines and what would they look like?** David Price (Aberdeen, United Kingdom)	4654
18:45	**Panel/audience discussion**	4655

Room E104-106 Session 475 17:30 - 19:00

Industry evening mini symposium: OncologyTreatment of advanced NSCLC: Evidence, insights and understanding

Organised by Boehringer Ingelheim International GmbH

Track(s) : Oncology

Chairs : Egbert E.F. Smit (Amsterdam, Netherlands)

17:30	**Welcome and introduction** Egbert E.F. Smit (Amsterdam, Netherlands)	4656
17:35	**Treatment of advanced NSCLC: Where are we now?** Egbert E.F. Smit (Amsterdam, Netherlands)	4657
17:55	**The role of irreversible ErbB Family Blockade in NSCLC** **Understanding irreversible ErbB Family Blockade** **ErbB Family Blockade in EGFR mutation-positive patients: Clinical insights** **ErbB Family Blockade in SCC: Latest evidence** Christian Grohe (Berlin, Germany)	4658
18:25	**Targeting angiogenesis in advanced NSCLC** **Understanding the science of targeting angiogenesis in NSCLC** **Targeting angiogenesis in NSCLC: Latest evidence and clinical insights** David HEIGENER (Grosshansdorf, Germany)	4659
18:55	**Final questions and meeting close** Egbert E.F. Smit (Amsterdam, Netherlands)	4660

Room G102-103 Session 476 17:30 - 19:00

Industry evening mini symposium: Practical use of riociguat in PAH and CTEPH

Organised by Bayer HealthCare

Chairs : Stephan Rosenkranz (Cologne, Germany), Mardi Gomberg-Maitland (Chicago, United States of America)

17:30	**Opening and introduction** Mardi Gomberg-Maitland (Chicago, United States of America), Stephan Rosenkranz (Cologne, Germany)	4661
17:35	**Challenge of correct diagnosis of patients for optimal management; real-world experience with riociguat** Ioana Preston (Boston, United States of America)	4662
18:00	**Managing the transition to riociguat in patients with PAH** Fernando Torres (Dallas, Texas, United States of America)	4663

18:25	**Real-world experience with riociguat in CTEPH** Matthias Held (Wurzburg, Germany)	**4664**
18:50	**Summary and conclusion** Stephan Rosenkranz (Cologne, Germany)	**4665**

Room G106-107 Session 477 17:30 - 19:00

Industry evening mini symposium: Joining a conversation on cystic fibrosis classes and approaches to therapy

Organised by PTC Therapeutics

Chairs : Harry G.M. Heijerman (The Hague, Netherlands)

17:30	**Welcome and introduction** Harry G.M. Heijerman (The Hague, Netherlands)	**4666**
17:40	**Different classes of CF: one disease, different causes** Margarida D. Amaral (Lisbon, Portugal)	**4667**
18:00	**Interactive presentation: Current and future treatment strategies for different classes of CF** Dominik Hartl (Tübingen, Germany)	**4668**
18:30	**The patient perspective: what is important?** Jacquelien J. Noordhoek (Baarn, Netherlands)	**4669**
18:45	**Concluding remarks and Q&A** Harry G.M. Heijerman (The Hague, Netherlands)	**4670**

Room D203-204 Session 478 17:30 - 19:30

Industry evening expert forum: Identifying best practice in antibiotic use in non-CF bronchiectasis (to guarantee a place registration is advisable)

Organised by Bayer Pharma AG

Chairs : Robert Wilson (London, United Kingdom)

17:30	**Chairman's introduction** Robert Wilson (London, United Kingdom)	**4671**
17:35	**Challenges in managing chronic respiratory infection in non-CF bronchiectasis (NCFB) patients** Robert Wilson (London, United Kingdom)	**4672**
17:50	**Interactive roundtable forum• During this interactive session, attendees will be allocated into small groups to discuss the available evidence, unanswered questions and best practice related to the use of antibiotics to manage chronic respiratory infections with Pseudomonas aeruginosa, non-P. aeruginosa pathogens, nontuberculous mycobacteria, and mixed infections in patients with NCFB.• Collaborative exercises between experts and participants during the roundtable discussion will allow extensive dialogue on current practices of long-term NCFB management**	**4673**
18:45	**Discussion of roundtable outcomes with expert panel** Timothy Aksamit (Rochester, United States of America), Stuart Elborn (Belfast, United Kingdom), Adam Hill (Edinburgh, United Kingdom)	**4674**
19:25	**Chair's closing remarks** Robert Wilson (London, United Kingdom)	**4675**

Places at this industry evening expert forum are strictly limited and to guarantee attendance you are strongly urged to register in advance. To register your interest, please send a request, including your name and institution, to: email@highfieldcommunication.com or visit the medical corner on the Bayer stand. Any remaining places will be available to clinicians from 17:15 on a first-come first-serve basis.

Room 13.2 Session 479 17:30 - 19:00

Industry evening mini symposium: PAP and the heart: benefit or harm

Organised by Philips Respironics

Chairs : Teofilo Lee-Chiong (Thornton, United States of America)

17:30	**Heart Failure: state of the art on PAP therapy** Winfried J. Randerath (Solingen, Germany)	**4676**

18:10	**Heart failure: update on the ADVENT-HF study** Douglas Bradley (Toronto, Canada)	**4677**
18:50	**Questions and answers**	**4678**

Room D201-202 Session 480 17:30 - 19:00

Industry evening mini symposium: Nontuberculous mycobacteria (NTM) in Europe: A clinical and scientific update

Organised by Insmed

Chairs : Wouter Hoefsloot (Nijmegen, Netherlands)

17:30	**EU Prevalence and Epidemiology** Jessica Rademacher (Hannover, Germany)	**4679**
17:50	**NTM Diagnosis** Wouter Hoefsloot (Nijmegen, Netherlands)	**4680**
18:05	**NTM in Cystic Fibrosis** Charles Haworth (Cambridge, United Kingdom)	**4681**
18:20	**NTM Treatment Guidelines** David E. Griffith (Tyler, United States of America)	**4682**
18:35	**NTM Burden of Illness** Claire Andrejak (Amiens, France)	**4683**
18:50	**Panel Q & A**	**4684**

Room E103 Session 481 17:30 - 19:00

Industry evening expert forum: Translating PE guidelines into clinical practice

Organised by Bayer HealthCare

Chairs : Stavros Konstantinides (Gottingen, Germany), David Jiménez Castro (Madrid, Spain)

17:30	**Welcome and Introduction** Stavros Konstantinides (Gottingen, Germany)	**4685**
17:35	**Assessing the severity of PE patients** David Jiménez Castro (Madrid, Spain)	**4686**
17:55	**Facilitating the Outpatient management of PE patients** Stavros Konstantinides (Gottingen, Germany)	**4687**
18:15	**Managing the long term care of PE patients** David Kiely (Sheffield, United Kingdom)	**4688**
18:35	**Expert discussion and cases** David Kiely (Sheffield, United Kingdom), David Jiménez Castro (Madrid, Spain), Stavros Konstantinides (Gottingen, Germany)	**4689**
18:55	**Closing** Stavros Konstantinides (Gottingen, Germany)	**4690**

Room E107 Session 483 17:30 - 19:00

Industry evening expert forum: Pulmonary alveolar proteinosis and severe pulmonary infections - role of immune modulators (focus on GM-CSF)

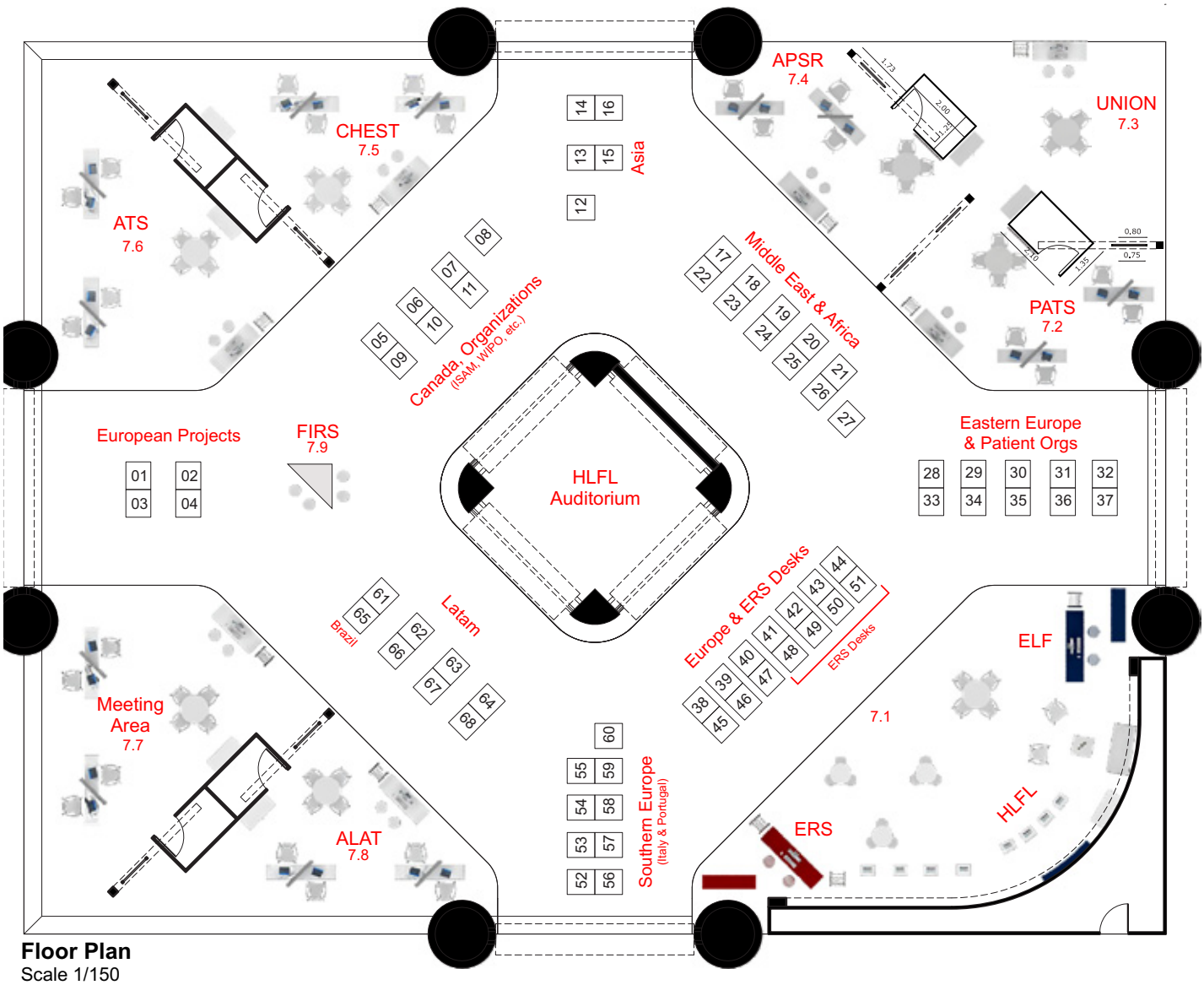
Organised by Serendex Pharmaceuticals A/S

Chairs : Ulrich Costabel (Essen, Germany)

17:30	**Introduction** Ulrich Costabel (Essen, Germany)	**4691**
17:35	**PAP epidemiology and classification** Yoshikazu Inoue (Osaka, Japan)	**4692**

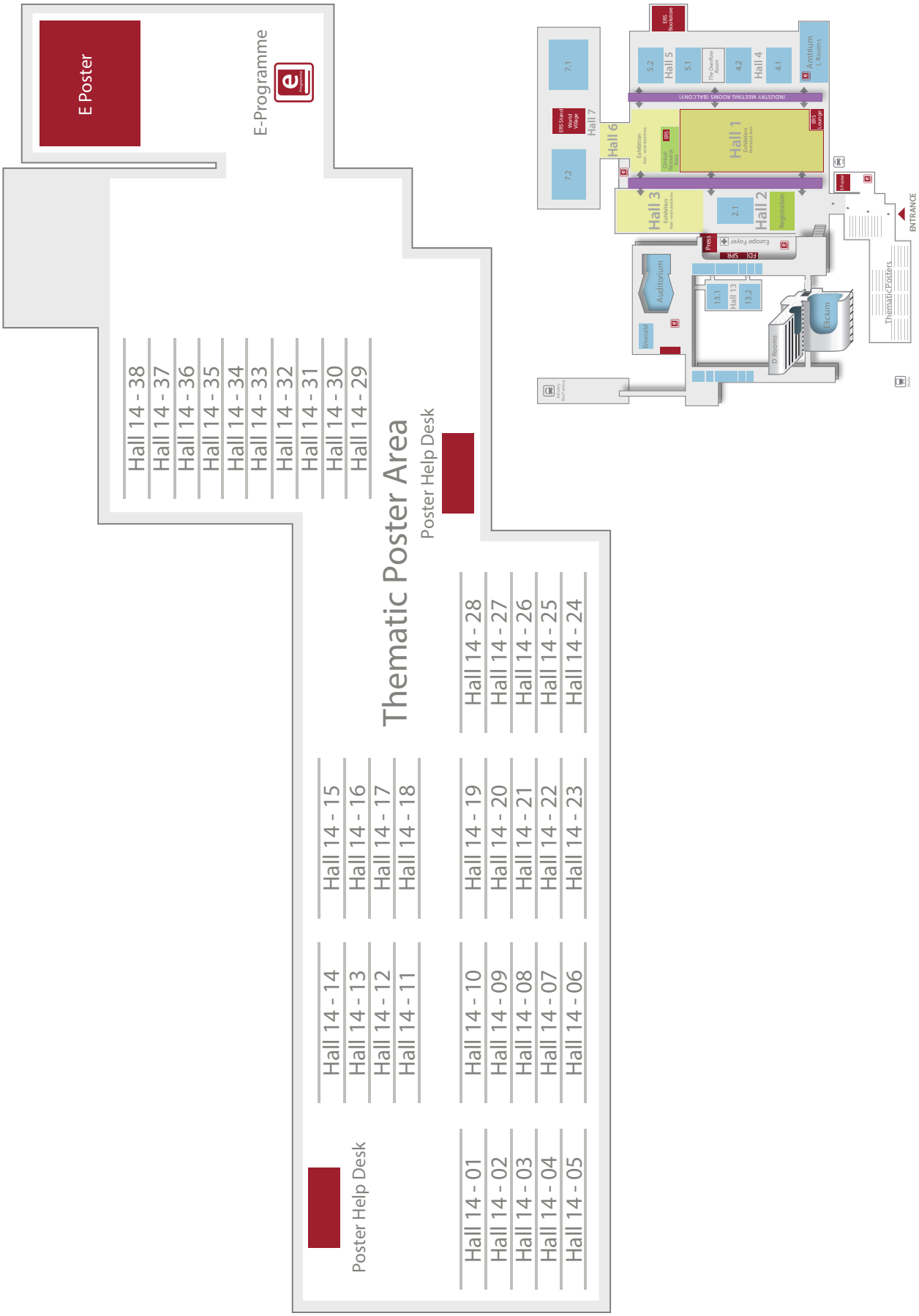
17:55	**PAP Pathogensis and Biomarkers** Francesco Bonella (Düsseldorf, Germany)	**4693**
18:10	**PAP Treatment and Advances in Therapy** Ulrich Costabel (Essen, Germany)	**4694**
18:30	**Severe pulmonary infections - Role of Immune modulators/GM-CSF** Susanne Herold (Giessen, Germany)	**4695**
18:55	**General Discussion and Summary** Ulrich Costabel (Essen, Germany)	**4696**

WORLD VILLAGE FLOOR PLAN

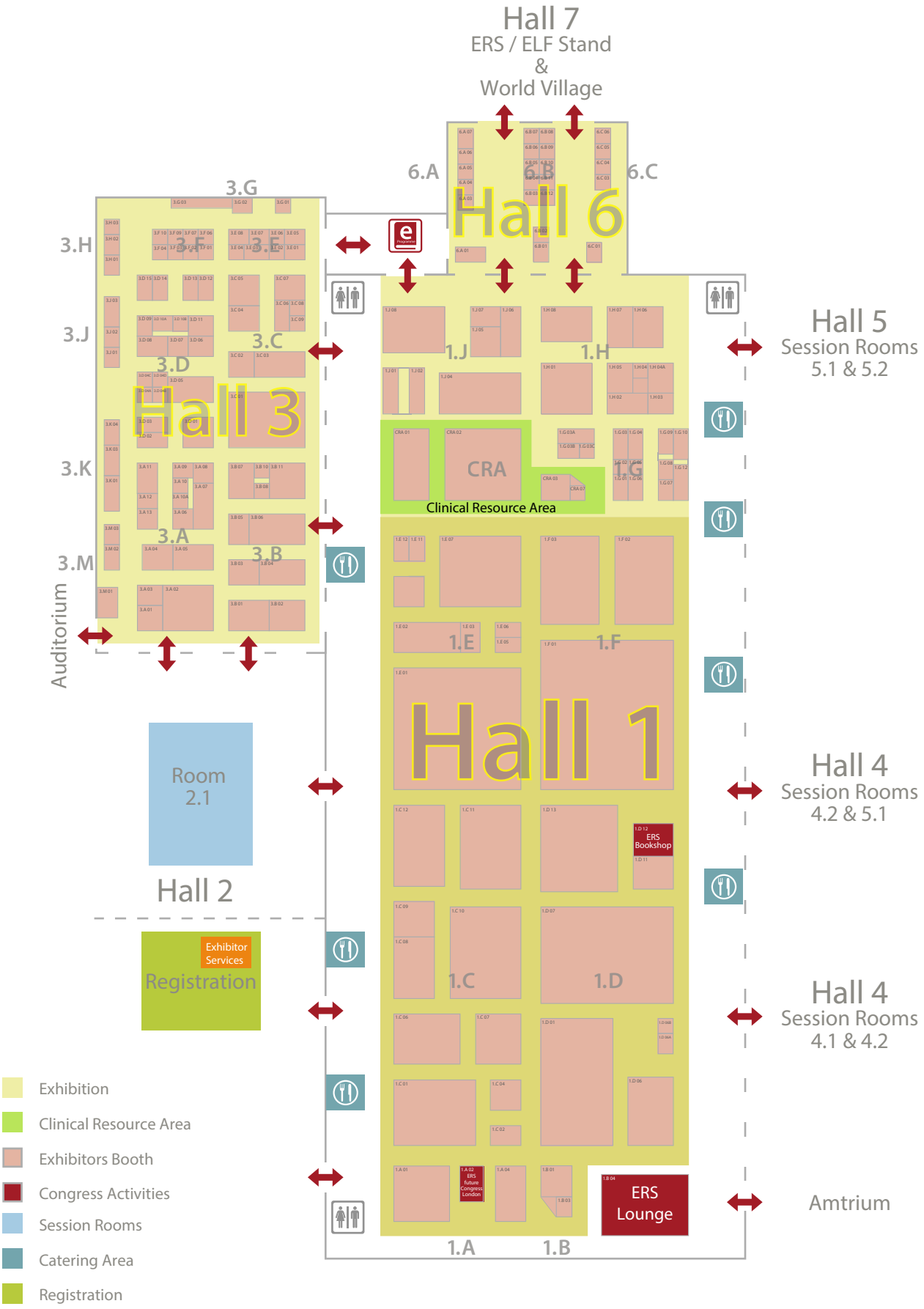


Floor Plan
Scale 1/150

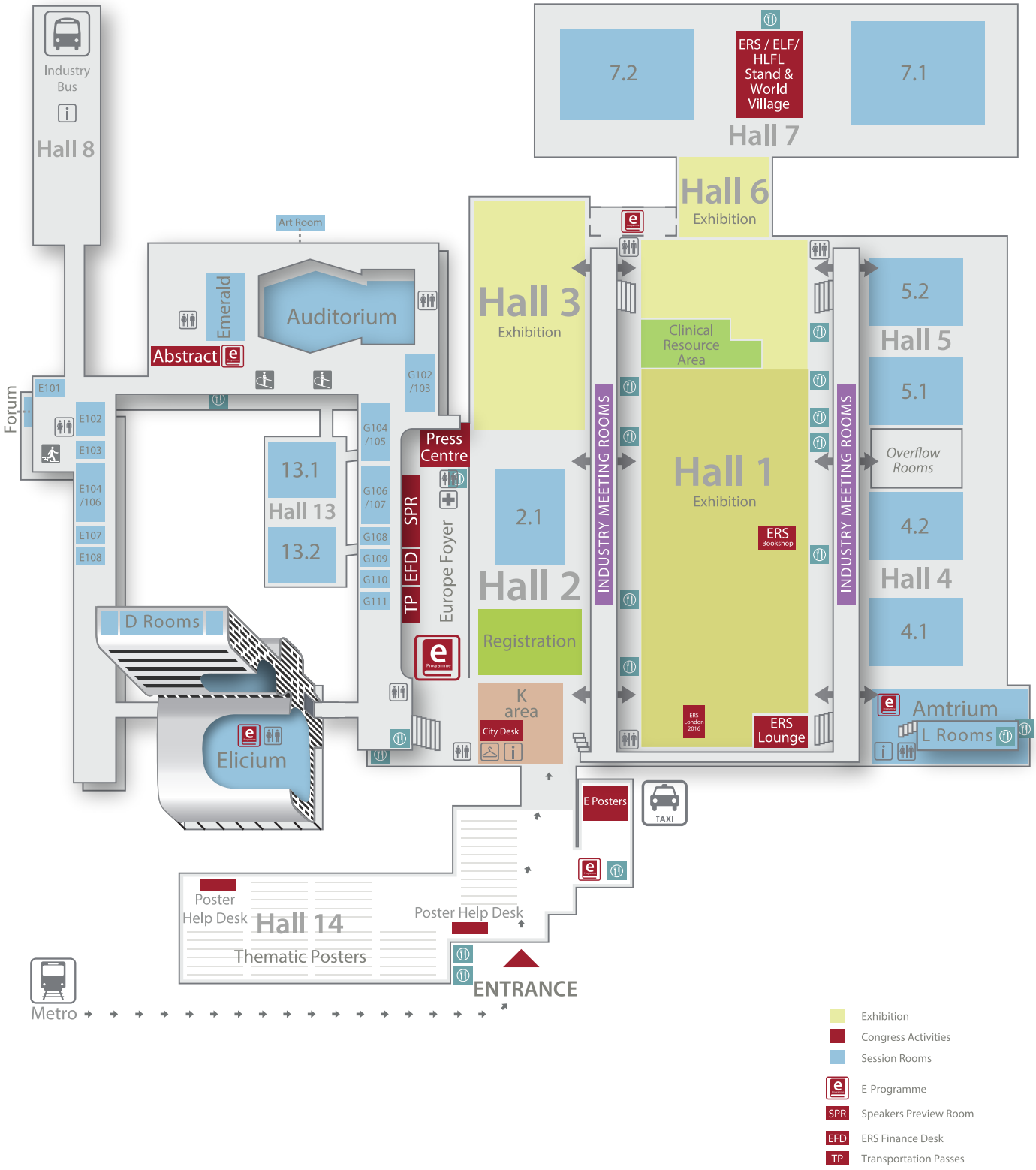
THEMATIC POSTER AREA



EXHIBITORS MAP



CONGRESS MAP



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