ERS CONGRESS | 2024
7-11 September | Vienna, Austria

Programme
### 08:30 - 13:30

*Additional registration is required for this session.*

**Academy: Academy of paediatric respiratory medicine - Part 2**

* Chairs: Ernst Eber (Graz, Austria), Fabio Midulla (Roma (RM), Italy)

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<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Chairs</th>
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<tbody>
<tr>
<td>08:30</td>
<td><strong>Endoscopy</strong></td>
<td>Ernst Eber (Graz, Austria), Fabio Midulla (Roma (RM), Italy)</td>
</tr>
<tr>
<td>09:15</td>
<td><strong>Lung function tests</strong></td>
<td>Nicolas Regamey (Lucerne, Switzerland), Annelies M. Zwitserloot (Groningen, Netherlands)</td>
</tr>
<tr>
<td>10:00</td>
<td><strong>Imaging and ultrasound</strong></td>
<td>Carolina Casini (Roma (RM), Italy), Meinrad Beer (Ulm, Germany)</td>
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<tr>
<td>10:45</td>
<td><strong>Break</strong></td>
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<tr>
<td>11:15</td>
<td><strong>Bronchial asthma and wheezing disorders</strong></td>
<td>Marielle W.H. Pijnenburg (Rotterdam, Netherlands), Louise Fleming (London, United Kingdom)</td>
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<tr>
<td>12:00</td>
<td><strong>Non-cystic fibrosis bronchiectasis</strong></td>
<td>Ernst Eber (Graz, Austria), Fabio Midulla (Roma (RM), Italy)</td>
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<tr>
<td>12:45</td>
<td><strong>Sleep disorders</strong></td>
<td>Refika Hamutcu Ersu (Ottawa, Canada), Athanasios G. Kaditis (Athens, Greece)</td>
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### 09:00 - 17:15

*Additional registration is required for this session.*

**Academy: Academy of adult respiratory medicine - Part 2**

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<tr>
<th>Time</th>
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<th>Chairs</th>
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<tbody>
<tr>
<td>09:00</td>
<td><strong>Introduction to workshops</strong></td>
<td>Sophia E. Schiza (Heraklion, Greece), Stylianos Loukides (Athens, Greece)</td>
</tr>
<tr>
<td>09:15</td>
<td><strong>Sleep-related disorders</strong></td>
<td>Dries Testelmans (Leuven, Belgium), Elisa Perger (Milano, Italy), Marieke L. Duiverman (Groningen, Netherlands)</td>
</tr>
<tr>
<td>10:15</td>
<td><strong>Break</strong></td>
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<tr>
<td>10:45</td>
<td><strong>Respiratory infections</strong></td>
<td>Andrea Gramegna (Milano (MI), Italy), Letizia Traversi (Cittiglio, Italy)</td>
</tr>
<tr>
<td>11:45</td>
<td><strong>Pulmonary circulation</strong></td>
<td>Mona Lichtblau (Zürich, Switzerland), Gabor Kovacs (Graz, Austria)</td>
</tr>
<tr>
<td>12:45</td>
<td><strong>Lunch break</strong></td>
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<tr>
<td>13:45</td>
<td><strong>Pulmonary function testing</strong></td>
<td>Frans H.C. De Jongh (Enschede, Netherlands), Monika Franczuk (Warszawa, Poland)</td>
</tr>
<tr>
<td>14:45</td>
<td><strong>Lung imaging</strong></td>
<td>Ádám Domonkos Tárnoki (Budapest, Hungary), Grace Parraga (London (ON), Canada)</td>
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<tr>
<td>15:45</td>
<td><strong>Break</strong></td>
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<tr>
<td>16:15</td>
<td><strong>Thoracic oncology</strong></td>
<td>Maria Joana Pereira Catarata (Porto, Portugal), Wouter H. van Geffen (Leeuwarden, Netherlands)</td>
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### 09:00 - 15:45

*Additional registration is required for this session.*

**Academy: Academy of pulmonary rehabilitation - advanced: Part 2**

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<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>09:00</td>
<td><strong>Introduction to workshops</strong></td>
<td>Ioannis Vogiatzis (Blyth, United Kingdom), Daniel Langer (Leuven, Belgium), Joana Cruz (Leiria, Portugal)</td>
</tr>
<tr>
<td>09:15</td>
<td><strong>Field and cycling tests</strong></td>
<td>Thomas Gille (Bobigny, France), Sally J. Singh (Leicester (Leicestershire), United Kingdom), Ioannis Vogiatzis (Blyth, United Kingdom), Rachael A. Evans (Leicester (Leicestershire), United Kingdom)</td>
</tr>
</tbody>
</table>
### Muscle strength tests
Frits M.E. Franssen (Maastricht, Netherlands), Rainer Gloeckl (Schoenau am Koenigssee, Germany), Daniel Langer (Leuven, Belgium), William Man (Harefield, United Kingdom)

### Physical activity assessment
Heleen Demeyer (Leuven, Belgium), Fabio De Oliveira Pitta (Londrina, Brazil), Elena Gimeno-Santos (Barcelona, Spain), Joana Cruz (Leiria, Portugal)

### Lunch break

### Endurance training
Frits M.E. Franssen (Maastricht, Netherlands), Heleen Demeyer (Leuven, Belgium), Ioannis Vogiatzis (Blyth, United Kingdom), Elena Gimeno-Santos (Barcelona, Spain)

### Resistance and inspiratory muscle training
Martijn A. Spruijt (Horn, Netherlands), Andre Nyberg (Umeå, Sweden), Daniel Langer (Leuven, Belgium), William Man (Harefield, United Kingdom)

### Physical activity coaching
Thierry Troosters (Leuven, Belgium), Joana Cruz (Leiria, Portugal), Rainer Gloeckl (Schoenau am Koenigssee, Germany), Fabio De Oliveira Pitta (Londrina, Brazil)

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### 09:30 - 17:30

**Additional registration is required for this session.**

### Postgraduate course: PG1 Thoracic ultrasound
Expanding your ultrasound skills beyond the pleura and lungs and advanced ultrasound-guided procedures

**Aims:** To provide a solid theoretical framework for development of skills in ultrasonography; to encourage evidence-based practice where possible; to highlight the utility of thoracic ultrasonography for purposes other than identification of pleural fluid, including assessment of other thoracic structures; to describe methods of safely performing thoracic interventions (including image-guided pleural biopsies) after suitable training;

**Chairs:** Rahul Bhatnagar (Bristol, United Kingdom), Beenish Iqbal (Oxford, United Kingdom), Najib M. Rahman (ABINGDON, United Kingdom), Chair to be confirmed

**09:30** Welcome and introduction

**09:40** Focused cardiac ultrasound  
Casper Falster (Odense, Denmark)

**10:00** Limited compression ultrasonography of the deep veins for deep vein thrombosis assessment  
Speaker to be confirmed

**10:20** Ultrasound assessment of the diaphragm  
Søren Helbo Skaarup (Aarhus C, Denmark)

**10:40** Q&A

**10:50** Coffee break

**11:20** Interactive case discussion session I

**11:50** Use of thoracic ultrasound in an intensive care unit  
Silvia Mongodi (Pavia, Italy)

**12:10** Use of thoracic ultrasound in an interstitial lung disease clinic  
Jesper Remhild Davidsen (Odense C, Denmark)

**12:30** Use of evidence-based training principles in thoracic ultrasound in a department  
Pia Iben Pietersen (Odense C, Denmark)

**12:50** Q&A

**13:00** Interactive case discussion session II

**13:30** Lunch break

**14:30** Advanced thoracic ultrasound for assessment of patients with pleural disease  
Eihab Bedawi (Sheffield, United Kingdom)
### Postgraduate course: PG2 Sleep-disordered breathing

**Phenotypes of sleep-disordered breathing in different comorbidities and diagnosis and management of sleep-disordered breathing**

**Aims:** To explain the importance of distinguishing different central sleep apnoea phenotypes and associated syndromes; to compare the diagnostic and therapeutic aspects of obesity hypoventilation with or without obstructive sleep apnoea; to provide an update on various aspects of sleep-disordered breathing in patients with pulmonary vascular disease; to discuss the occurrence and significance of obstructive sleep apnoea and other types of sleep-disordered breathing in patients with neuromuscular and chest wall disorders; to describe available diagnostic tools for obstructive sleep apnoea and to explain their indications, advantages and drawbacks; to discuss the appropriate selection of different positive airway pressure modalities; to summarise and explain supportive care and rehabilitation strategies; to compare different follow-up strategies for patients with sleep-disordered breathing and to describe their application in the clinical context.

**Disease(s):** Pulmonary vascular diseases, Respiratory critical care, Sleep and breathing disorders

**Method(s):** General respiratory patient care, Physiology, Public health

**Tag(s):** Clinical

**Target audience:** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Physican in Pulmonary Training, Physiologist, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist

**Chairs:** Sophia E. Schiza (Heraklion, Greece), Manuel Sanchez De La Torre (Toledo, Spain), Esther Irene Schwarz (Zürich, Switzerland), Matteo SICILIANO (ROMA, ITALY)

**09:30**  
Central sleep apnoea phenotypes and different central sleep apnoea syndromes  
Renaud Tamisier (Grenoble, France)

**09:50**  
Discussion and Q&A

**10:00**  
Obesity hypoventilation syndrome with and without obstructive sleep apnoea  
Christopher Turnbull (Oxford (Oxfordshire), United Kingdom)

**10:20**  
Discussion and Q&A

**10:30**  
Break

**11:00**  
Sleep-disordered breathing in pulmonary vascular disease  
Silvia Ulrich (Zurich, Switzerland)

**11:20**  
Discussion and Q&A

**11:30**  
Obstructive sleep apnoea and other types of sleep-disordered breathing in neuromuscular and chest wall disorders  
Esther Irene Schwarz (Zürich, Switzerland)

**11:50**  
Discussion and Q&A
Phenotypes of sleep-disordered breathing in different comorbidities: group assignment
Renaud Tamisier (Grenoble, France), Christopher Turnbull (Oxford (Oxfordshire), United Kingdom), Silvia Ulrich (Zurich, Switzerland), Esther Irene Schwarz (Zürich, Switzerland)

Diagnostic procedures in obstructive sleep apnoea: from conventional methods to new technologies
Raphael Heinzer (Lausanne, Switzerland)

Different positive airway pressure modalities: which one for which patient?
Dries Testelmans (Leuven, Belgium)

Supportive care and rehabilitation strategies in sleep-disordered breathing
Monique Mendelson (Grenoble, France)

Follow-up strategies for sleep-disordered breathing
Elisa Perger (Milano, Italy)

An update on diagnosis and management of sleep-disordered breathing: group assignment
Raphael Heinzer (Lausanne, Switzerland), Dries Testelmans (Leuven, Belgium), Elisa Perger (Milano, Italy), Monique Mendelson (Grenoble, France)

Asthma pathophysiology from a clinical perspective: recognise the underlying endotype
Celeste Michala Porsbjerg (Copenhagen, Denmark)

Diagnosing, assessing and monitoring different asthma phenotypes: current pitfalls and challenges
Fabio L. M. Ricciardolo (Torino, Italy)

Endotype-driven therapy for the asthma patient: moving to precision medicine in asthma
Sally Wenzel (Pittsburgh, United States)

The role of comorbidities in uncontrolled and difficult-to-treat asthma: the role of the underlying phenotype
Ramesh J. Kurukulaaratchy (Newport (Hants), United Kingdom)

Additional registration is required for this session.

Postgraduate course: PG3 Masterclass in asthma

Aims: To describe the pathophysiology of asthma; to provide an update on asthma diagnosis, assessment and monitoring of the late treatment options, and the role of comorbidities in uncontrolled asthma.

Disease(s): Airway diseases
Method(s): Physiology
Tag(s): Clinical
Target audience: Adult pulmonologist/Clinician, Medical Student, Nurse, Physician in Pulmonary Training
Chairs: Apostolos Bossios (Stockholm, Sweden), Omar S. Usmani (London, United Kingdom)

Asthma pathophysiology from a clinical perspective: recognise the underlying endotype
Celeste Michala Porsbjerg (Copenhagen, Denmark)

Diagnosing, assessing and monitoring different asthma phenotypes: current pitfalls and challenges
Fabio L. M. Ricciardolo (Torino, Italy)

Endotype-driven therapy for the asthma patient: moving to precision medicine in asthma
Sally Wenzel (Pittsburgh, United States)

The role of comorbidities in uncontrolled and difficult-to-treat asthma: the role of the underlying phenotype
Ramesh J. Kurukulaaratchy (Newport (Hants), United Kingdom)

Break
### 09:30 - 13:00

**Postgraduate course: PG4 Early diagnosis and management of interstitial lung diseases**

**Chairs:** Maria Molina Molina (Barcelona, Spain), Nazia Chaudhuri (Limavady, United Kingdom)

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<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>09:30</td>
<td>Early suspicion of interstitial lung disease</td>
<td>Peter George (London, United Kingdom)</td>
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<tr>
<td>09:45</td>
<td>Early diagnosis of interstitial lung disease</td>
<td>Claudia Ravaglia (Forlì, Italy)</td>
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<tr>
<td>10:00</td>
<td>Round table discussion and Q&amp;A</td>
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<tr>
<td>10:30</td>
<td>Early recognition of comorbidities and impact on survival of patients with interstitial lung disease</td>
<td>GEORGE MARGARITOPoulos (THESALONIKI, Greece)</td>
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<td>10:45</td>
<td>Connective tissue disorder-associated interstitial lung disease</td>
<td>Anna Maria Hoffmann-Vold (Oslo, Norway)</td>
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<tr>
<td>11:00</td>
<td>Round table discussion and Q&amp;A</td>
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<tr>
<td>11:30</td>
<td>Break</td>
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<tr>
<td>12:00</td>
<td>Clinical cases discussion: connective tissue disorder- interstitial lung disease and interstitial lung abnormality/ early interstitial lung disease/interstitial lung disease and lung cancer/familial interstitial lung disease</td>
<td>Pilar Rivera Ortega (Manchester, United Kingdom)</td>
</tr>
<tr>
<td>12:30</td>
<td>Round table discussion and experience sharing: comorbidities in interstitial lung disease</td>
<td>ARGYRIS TZOUVELEKIS (Patras, Greece)</td>
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### 14:00 - 17:30

**Postgraduate course: PG5 How to improve the success of non-invasive respiratory support therapies**

**Aims:** To discuss the best practices in non-invasive respiratory support therapies for patients with acute and chronic respiratory failure; to review new developments in non-invasive respiratory support therapies (from high-flow nasal oxygen therapy to non-invasive ventilation).

**Disease(s):** Airway diseases, Respiratory critical care, Sleep and breathing disorders

**Tag(s):** Clinical

**Target audience:** Adult pulmonologist/Clinician, Nurse, Respiratory critical care physician, Respiratory physiotherapist, Respiratory therapist

**Chairs:** Marieke L. Duiverman (Groningen, Netherlands), Christoph Fisser (Regensburg, Germany)

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<th>Time</th>
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<th>Speaker</th>
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<tbody>
<tr>
<td>14:00</td>
<td>Non-invasive respiratory support therapies in the hypoxemic patient: indications and limitations</td>
<td>Ignacio Martin-Loeches (Dublin, Ireland)</td>
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<tr>
<td>14:20</td>
<td>Discussion and Q&amp;A</td>
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<tr>
<td>14:30</td>
<td>Non-invasive respiratory support therapies in the acute setting: how to improve the success rate of weaning</td>
<td>Miquel Ferrer Monreal (Barcelona, Spain)</td>
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<tr>
<td>14:50</td>
<td>Discussion and Q&amp;A</td>
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<tr>
<td>15:00</td>
<td>Non-invasive respiratory support in acute and chronic COPD</td>
<td>Lara Pisani (Bologna (BO), Italy)</td>
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<tr>
<td>15:20</td>
<td>Discussion and Q&amp;A</td>
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<tr>
<td>15:30</td>
<td>Non-invasive respiratory support therapies in the chronic setting: how to optimise the patient-ventilator interaction</td>
<td>Rebecca D'Cruz (London, United Kingdom)</td>
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<tr>
<td>15:50</td>
<td>Discussion and Q&amp;A</td>
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</table>
16:00  Break

16:30  **Group assignment: how to improve the success of non-invasive respiratory support therapies**  
Lara Pisani (Bologna (BO), Italy), Miquel Ferrer Monreal (Barcelona, Spain), Rebecca D'Cruz (London, United Kingdom), Ignacio Martin-Loeches (Dublin, Ireland)

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09:30 - 13:00

**Additional registration is required for this session.**

**Postgraduate course: PG6 Pulmonary hypertension**

**Aims:** To present the updated and new clinical data and recommendations from the last seven world symposia on pulmonary hypertension including pulmonary hypertension associated with chronic lung diseases, the principles of treatment of right heart failure, and an emerging multimodality imaging technique of the pulmonary circulation and diagnostic and treatment strategies for chronic thromboembolic pulmonary hypertension (CTEPH); To provide not only thorough and comprehensive updates on different aspects of pulmonary hypertension and cover meaningful diagnostic and therapeutic algorithms, but to also enable fruitful clinical discussion between experts and participants. The presentations will include interactive case studies.

**Disease(s):**  
- Airway diseases  
- Interstitial lung diseases  
- Pulmonary vascular diseases

**Method(s):**  
- General respiratory patient care  
- Physiology  
- Respiratory intensive care

**Tag(s):**  
- Clinical

**Target audience:** Adult pulmonologist/Clinician, General practitioner, Medical Student, Nurse, Respiratory critical care physician, Patient, Radiologist

**Chairs:** Yochai Adir (Haifa, Israel), Athénaïs Boucly (London, United Kingdom)

09:30  **Pulmonary hypertension associated with chronic lung diseases**  
Isabel Blanco Vich (Barcelona, Spain)

09:50  Discussion and Q&A

10:00  **Principles of treatment of right heart failure**  
John Granton (Toronto (ON), Canada)

10:20  Discussion and Q&A

10:30  **Emerging multimodality imaging techniques of the pulmonary circulation**  
Speaker to be confirmed

10:50  Discussion and Q&A

11:00  **Diagnostic and treatment strategies for chronic thromboembolic pulmonary disease**  
Marion Delcroix (Leuven, Belgium)

11:20  Discussion and Q&A

11:30  Break

12:00  **Group assignment**

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09:30 - 13:00

**Additional registration is required for this session.**

**Postgraduate course: PG7 Interpretation of lung function results in adults and children**

**Aims:** To explain the reasons for the new interpretive strategies; to explain how interpretation is structured; to describe how to apply these strategies in real cases including children.

**Disease(s):**  
- Airway diseases  
- Interstitial lung diseases  
- Paediatric respiratory diseases

**Method(s):**  
- General respiratory patient care  
- Physiology  
- Pulmonary function testing

**Target audience:** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Paediatrician, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Respiratory therapist

**Chairs:** Andrea Aliverti (Milan, Italy), Jellien Makonga-Braaksma (Woudenberg, Netherlands)

09:30  **Interpretation of lung volumes**  
Sanja Stanojevic (Halifax (NS), Canada)

09:50  Discussion and Q&A

10:00  **Interpretation of reversibility**  
Vicky moore (Coventry, United Kingdom)
10:20 Discussion and Q&A

10:30 Interpretation of diffusion capacity
Jörg Leuppi (Liestal, Switzerland)

10:50 Discussion and Q&A

11:00 Interpretation of lung function results in children
Nicole Beydon (Paris, France)

11:20 Discussion and Q&A

11:30 Break

12:00 Group assignment

14:00 - 17:30
Additional registration is required for this session.

Postgraduate course: PG8 Masterclass in chronic obstructive pulmonary disease

Aims: To provide an update on the latest findings about the pathophysiology, diagnosis, assessment and monitoring of chronic obstructive pulmonary disease (COPD), the latest pharmacological treatment, and co- and multimorbidity in patients with COPD.

Disease(s): Airway diseases

Method(s): Physiology

Tag(s): Clinical

Target audience: Adult pulmonologist/Clinician, Medical Student, Medical Technical Assistant, Nurse, Physician in Pulmonary Training

Chairs: Florence Schleich (Liège, Belgium), Alexander Mathioudakis (Manchester, United Kingdom)

14:00 Pathophysiological basis of COPD in different exposomes
Maarten van den Berge (Groningen, Netherlands)

14:20 Discussion and Q&A

14:30 Diagnosis, assessment, and monitoring of COPD, from Pre-COPD and early-COPD to preserved ratio impaired spirometry and COPD
Francesca Polverino (Houston, United States)

14:50 Discussion and Q&A

15:00 Current and future pharmacological treatment of different COPD phenotypes: from non-pharmacological interventions to the biologics era
Dave Singh (Manchester, United Kingdom)

15:20 Discussion and Q&A

15:30 COPD, exacerbations and cardiovascular disease: looking at the big picture to help our patients
Andriana Papaioannou (Vrilissia (Athens), Greece)

15:50 Discussion and Q&A

16:00 Break

16:30 Group assignment

14:00 - 17:30
Additional registration is required for this session.

Postgraduate course: PG9 Cardiopulmonary exercise testing to evaluate unexplained breathlessness

Cardiopulmonary exercise testing and dyspnoea

Aims: To explain the role of cardiopulmonary exercise testing (CPET) as the optimal tool to evaluate exertional dyspnoea; to describe the physiological patterns that can be identified by CPET in the assessment of exertional breathlessness; to explain how to utilise CPET in order to differentiate between cardiac, respiratory, vascular, peripheral and other causes of unexplained breathlessness.
### Disease(s)
- Airway diseases
- Interstitial lung diseases
- Pulmonary vascular diseases

### Method(s)
- Physiology
- Pulmonary function testing
- Pulmonary rehabilitation

### Target audience
- Adult pulmonologist/Clinician
- Clinical researcher
- Medical Student
- Nurse
- Physician in Pulmonary Training
- Physiologist
- Respiratory physiotherapist

### Chairs
- Rachael A. Evans (Leicester (Leicestershire), United Kingdom)
- Sam Bayat (Grenoble, France)

### 14:00 - 17:30

**Session: Unexplained or complex breathlessness: what is the problem and how does CPET fit in?**

**14:00**

**Unexplained or complex breathlessness: what is the problem and how does CPET fit in?**

James H. Hull (London, United Kingdom)

**14:20**

Discussion and Q&A

**14:30**

**How can pulmonologists use CPET to reveal the cause of unexplained breathlessness in lung diseases?**

J. Alberto Neder (Kingston (ON), Canada)

**14:50**

Discussion and Q&A

**15:00**

**The breathless patient with cardiovascular disease: using CPET to find an answer**

Afroditi Boutou (Thessaloniki, Greece)

**15:20**

Discussion and Q&A

**15:30**

**Multiple causes of breathlessness in long COVID patients: utilising CPET to help diagnosis**

Ingunn Skjørtén (Oslo, Norway)

**15:50**

Discussion and Q&A

**16:00**

Break

**16:30**

Group assignment

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**Additional registration is required for this session.**

**Postgraduate course: PG10 Management of respiratory infection: lessons learnt from ECRAID-Base clinical trials**

**Aims:** To present the most relevant findings of this multi-study European project; to provide the latest “state of the art” in evidence-based research of respiratory infections.

**Disease(s):** Respiratory critical care  Respiratory infections

**Method(s):** Epidemiology  General respiratory patient care  Public health

**Target audience:** Clinical researcher, General practitioner, Respiratory critical care physician, Medical Student, Physician in Pulmonary Training, Adult pulmonologist/Clinician

**Chairs:** Eva Polverino (Barcelona, Spain), Maurizio Sanguinetti (Rome, Italy)

**14:00**

**The landscape of adaptive platform trials in critical care: the case of REMAP-CAP (Randomised, Embedded, Multi-factorial, Adaptive Platform trial for Community-Acquired Pneumonia)**

Lennie P. G. Derde (Utrecht, Netherlands)

**14:20**

Discussion and Q&A

**14:35**

**Perpetual observational study in acute respiratory infections in a primary care setting (POS-ARI-PC)**

**14:55**

Discussion and Q&A

**15:10**

**What do we need to rapidly implement clinical trials in ventilator-associated pneumonia?**

Bruno François (, France)

**15:30**

Discussion and Q&A

**15:45**

Break

**16:15**

**Team science: how research in acute respiratory infections is changing**

Marc Bonten (Utrecht, Netherlands)

**16:35**

Discussion and Q&A
### PG11 The latest developments in culture models for respiratory research

**Aims:** To describe the latest developments in in vitro and ex vivo culturing techniques; to explain how these novel state-of-the-art culturing techniques can be utilised to advance respiratory research.

**Disease(s):** Airway diseases, Paediatric respiratory diseases, Respiratory infections

**Method(s):** Cell and molecular biology, Physiology

**Tag(s):** Translational, Congress theme: Humans and Machines: getting the balance right

**Target audience:** Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Paediatrician, Pathologist, Physician in Pulmonary Training, Scientist (basic, translational), Thoracic oncologist

**Chairs:** Silke Meiners (Sülfeld, Germany), H. Irene Heijink (Groningen, Netherlands)

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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>14:00</td>
<td>Novel open-source chip models to study lung epithelial repair responses and inter-organ communication</td>
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<td>Simon D. Pouwels (Zuidhorn, Netherlands)</td>
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<td>14:20</td>
<td>Discussion and Q&amp;A</td>
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<tr>
<td>14:30</td>
<td>Bio-engineered three-dimensional microtissues to model human tissues in vitro</td>
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<td>Speaker to be confirmed</td>
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<tr>
<td>14:50</td>
<td>Discussion and Q&amp;A</td>
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<td>15:00</td>
<td>Next-generation lung organoids: modelling vascularised alveolar regions of the distal lung</td>
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<td>Anna Krasnodembskaya (Belfast (Belfast), United Kingdom)</td>
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<td>15:20</td>
<td>Discussion and Q&amp;A</td>
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<tr>
<td>15:30</td>
<td>Implementing mechanobiology into advanced three-dimensional models to study airway diseases</td>
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<td>Janna Nawroth (Boston, United States)</td>
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<td>Discussion and Q&amp;A</td>
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<td>16:00</td>
<td>Break</td>
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<tr>
<td>16:30</td>
<td>Group assignment</td>
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### PG12 Tissue and targets in lung cancer

**Aims:** 1. to identify optimal route to tissue acquisition in lung cancer, 2. to discuss referral indications for molecular testing, differentiate and interpret appropriate reports 3. to identify and treat common targetable mutations 4. to discuss and compare neo+/-adjuvant versus both and provide up to date algorithms for real life clinical situations.

**Disease(s):** Thoracic oncology

**Method(s):** Endoscopy and interventional pulmonology, General respiratory patient care, Imaging

**Tag(s):** Clinical

**Target audience:** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Pathologist, Patient, Physician in Pulmonary Training, Physiologist, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon, Respiratory therapist, Journalist

**Chairs:** Eric Daniel Tenda (Jakarta, Indonesia), Vincent Fallet (Paris Cedex 20, France)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>14:00</td>
<td>Optimal route to tissue acquisition according to clinical stage and treatment options in lung cancer</td>
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<td>Speaker to be confirmed</td>
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<tr>
<td>14:20</td>
<td>Discussion and Q&amp;A</td>
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<tr>
<td>14:30</td>
<td>Molecular testing in stage I-IV; indications and interpretation of results</td>
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<td>Joanna Chorostowska-Wynimko (Warsaw, Poland)</td>
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<tr>
<td>14:50</td>
<td>Discussion and Q&amp;A</td>
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<tr>
<td>15:00</td>
<td>Treatment of common mutations in NSCLC, KRAS and EGFR</td>
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<td>Wouter H. van Geffen (Leeuwarden, Netherlands)</td>
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</tbody>
</table>
Perioperative treatments in early-stage NSCLC; neoadjuvant versus adjuvant versus both approaches. Which one to choose?
Torsten Gerriet Blum (Berlin, Germany)

Discussion and Q&A

Break

Group assignment

09:00 - 17:00

NEXT: Networking Excellence Training Programme (NEXT) - by invitation only

Aims: By invitation only - The ERS NEXT programme provides a comprehensive training programme for ERS early career abstract presenters

Chairs: Sara Cuevas Ocaña (Nottingham, United Kingdom), Thomas Gille (Bobigny, France)

09:00 Welcome and overview of the day
Sara Cuevas Ocaña (Nottingham, United Kingdom), Thomas Gille (Bobigny, France), Monika Gappa (Düsseldorf, Germany)

09:15 Ice-breaker

09:30 Presentation skills

10:00 Presentations skills - Breakout

11:30 Coffee Break

12:00 Moderating sessions

13:00 Mentoring lunch (with ERS leadership)

14:30 Keynote: Manuscript writing and publishing
James D. Chalmers (Dundee (Angus), United Kingdom)

15:00 Manuscript writing/publishing – Breakout

15:30 Coffee Break

15:50 Complimentary skills to achieve success - round table discussions
Sejal Saglani (London, United Kingdom), Rory Morty (Heidelberg, Germany), Mina Gaga (Athens, Greece)

16:45 Feedback and key take-home messages
Sara Cuevas Ocaña (Nottingham, United Kingdom), Thomas Gille (Bobigny, France)

09:30 - 11:00

Primary care session: Digital health to improve respiratory management
Introducing new technologies to help primary healthcare

Aims: To explain the role of new technologies and digital health to improve the management of chronic respiratory conditions from the perspectives of both healthcare professionals and patients.

Disease(s): Airway diseases

Method(s): General respiratory patient care

Tag(s): Clinical, Congress theme: Humans and Machines: getting the balance right

Target audience: Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Patient, Physician in Pulmonary Training, Journalist

Chairs: Miguel Román Rodriguez (Palma De Mallorca, Spain), Cláudia Sofia De Almeida Vicente Ferreira (Coimbra, Portugal)

09:30 ERS CONNECT: an initiative to improve respiratory management by digital systems
Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom)

09:45 Smart inhalers: present or future tools to improve adherence in primary care?
Job F.M. van Boven (Groningen, Netherlands)
### Primary care session: First-line essential interventions for appropriate primary respiratory care

**Aims:** To review essential interventions for appropriate primary respiratory care that are sometimes forgotten because they go further than diagnosis and pharmacological management.

**Disease(s):** Airway diseases

**Method(s):** General respiratory patient care, Public health

**Target audience:** Adult pulmonologist/Clinician, General practitioner, Medical Student, Nurse, Patient, Physician in Pulmonary Training, Respiratory physiotherapist

**Chairs:** Miguel Román Rodriguez (Palma De Mallorca, Spain), Cláudia Sofia De Almeida Vicente Ferreira (Coimbra, Portugal)

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<tbody>
<tr>
<td>11:15</td>
<td>The importance of frailty assessment and management in COPD patients</td>
<td>Ioanna Tsiligianni (Heraklion (Crete), Greece)</td>
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<tr>
<td>11:30</td>
<td>How to best implement motivational interviewing in our day-to-day primary care respiratory consultations</td>
<td>Kim Lavoie (Montréal (QC), Canada)</td>
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<tr>
<td>11:45</td>
<td>How to deal with polypharmacy in respiratory primary healthcare</td>
<td>Frances Mair (Glasgow, United Kingdom)</td>
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<tr>
<td>12:00</td>
<td>The main role of vaccination in primary care for respiratory infection prevention</td>
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### Paediatric day: Beyond wheezing and asthma in children

**Aims:** To present increasing evidence of clinical traits that may predict asthma; to discuss the new respiratory syncytial virus (RSV) vaccine which has the potential to change the epidemiology of RSV infections in infants and newborns and may also impact asthma development; to discuss potential impacts; to discuss the Global Initiative for Asthma guidelines that provide evidence-based recommendations for the treatment of asthma and related controversy about how to implement these recommendations in daily practice.

**Disease(s):** Airway diseases, Paediatric respiratory diseases, Respiratory infections

**Method(s):** Epidemiology, General respiratory patient care, Physiology

**Target audience:** Adult pulmonologist/Clinician, Medical Student, Nurse, Paediatrician, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist

**Chairs:** Alexander Möller (Zürich, Switzerland), Marielle W.H. Pijnenburg (Rotterdam, Netherlands), Susanne Vijverberg (Amsterdam, Netherlands)

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<tr>
<td>13:45</td>
<td>Can we predict who has asthma among preschool children with wheezing?</td>
<td>Sejal Saglani (London, United Kingdom)</td>
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<td>14:00</td>
<td>Will the new respiratory syncytial virus vaccination change the epidemiology and our practice?</td>
<td>Fabio Midulla (Roma (RM), Italy)</td>
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<td>14:15</td>
<td>Imaging of congenital airway and lung malformations</td>
<td>Pierluigi Ciet (Rotterdam, Netherlands)</td>
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<td>14:30</td>
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### Paediatric day: Sleep and breathing in children

**Aims:** To discuss how big data and innovative data science methods provide tools to better understand paediatric respiratory diseases related to sleep-disordered breathing and to overcome disparities.
Paediatric day: Diversity, equity and inclusion in the paediatric asthma field

Aims: To discuss enormous disparities in healthcare that exist across the globe not only in low- and middle-income countries where access to healthcare is poor, but also within the highest income settings; to discuss diversity, equity and inclusion in the paediatric asthma field.

Disease(s): Airway diseases, Paediatric respiratory diseases
Method(s): Epidemiology, General respiratory patient care
Tag(s): Clinical

Target audience: Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical student, Nurse, Respiratory critical care physician, Paediatrician, Patient, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Respiratory therapist

Chairs: Alexander Möller (Zürich, Switzerland), Marielle W.H. Pijnenburg (Rotterdam, Netherlands), Susanne Vijverberg (Amsterdam, Netherlands)

16:25 - 17:30

16:25 Health disparities and structural racism in communities
Wanda Phipatanakul (Hopkinntkn, United States)

16:40 The child health inequalities toolkit
Ian Sinha (Liverpool (Merseyside), United Kingdom)

16:55 How to be an advocate for respiratory child health
Speaker to be confirmed

17:10 Discussion and Q&A
08:00 - 10:20

**additional registration required for this session**

**Skills workshop: SW1 Diagnostic techniques for sleep breathing disorders**

**Aims:** To provide an interactive demonstration and hands-on training of different techniques and tools that are essential for the diagnosis of sleep breathing disorders; to provide practical training for choosing the right type of sleep studies in clinical practice, interpreting polysomnography and polygraphy signals in adults and children, and evaluating daytime sleepiness.

**Disease(s):** Paediatric respiratory diseases, Sleep and breathing disorders

**Method(s):** General respiratory patient care, Physiology

**Tag(s):** Clinical

**Target audience:** Adult pulmonologist/Clinician, Medical Student, Medical Technical Assistant, Nurse, Paediatrician, Physician in Pulmonary Training, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist

**Chairs:** Esther Irene Schwarz (Zürich, Switzerland), Matteo Bradicich (Zurich, Switzerland)

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<tr>
<td>08:10</td>
<td>Different levels of sleep studies</td>
<td>Ludger Grote (Göteborg, Sweden)</td>
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<td>Interpretation of polysomnography/polygraphy in adults</td>
<td>Renata L. Riha (Edinburgh (Edinburgh), United Kingdom)</td>
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<tr>
<td>08:10</td>
<td>Interpretation of polysomnography/polygraphy in children</td>
<td>Athanasios G. Kaditis (Athens, Greece)</td>
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<tr>
<td>08:10</td>
<td>Evaluation of daytime sleepiness</td>
<td>Carolina Lombardi (Milano (MI), Italy)</td>
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10:40 - 13:00

**additional registration required for this session**

**Skills workshop: SW2 Diagnostic techniques for sleep breathing disorders**

**Aims:** This session aims to give an interactive demonstration and hands-on training on different techniques and tools that are essential for the diagnosis of sleep breathing disorders. The workstations include practical training on choosing the right type of sleep studies in clinical practice, interpretation of polysomnography and polygraphy signals in adults and children and evaluation of daytime sleepiness.

**Disease(s):** Paediatric respiratory diseases, Sleep and breathing disorders

**Tag(s):** Clinical

**Chairs:** Esther Irene Schwarz (Zürich, Switzerland), Matteo Bradicich (Zurich, Switzerland)

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08:30 - 10:00

**Symposium: Cell therapy in lung rejection, acute lung injury and beyond**

**Aims:** To provide an overview of the challenges and possibilities of cell therapy for lung diseases with a specific focus on lung rejection and acute respiratory distress syndrome (ARDS); to identify and describe the possible mechanisms-of-actions of mesenchymal stromal cell (MSC)-based therapy; to highlight the need to understand the interaction between MSCs and the local host microenvironment and to discuss how this information can be useful when designing clinical trials; to highlight new discoveries that will likely impact the future of cell-based therapy in respiratory medicine; to encourage interaction between basic scientists and clinical researchers.
Symposium: Post-prematurity lung disease: from birth to adulthood

Aims: To provide an update on the newest insights in post-prematurity lung disease; to discuss how perinatal management may help prevent lung disease and promote lung development in the preterm lung.

08:30
Perinatal strategies to prevent lung disease and promote lung development in the preterm lung
Anna Lavizzari (Milano (MI), Italy)

08:45
Is prematurity-related lung disease an inflammatory disease?
Sailesh Kotecha (Cardiff (South Glamorgan), United Kingdom)

09:00
Lifelong lung function trajectories in post-prematurity lung disease
Shannon Simpson (Perth (WA), Australia)

09:15
Practical implications for management of prematurity-related chronic respiratory disease: from infancy to adulthood
Liesbeth Duijts (Rotterdam, Netherlands)

09:30
Discussion and Q&A

Year in review: Clinical year in review
COPD and cardiovascular disease: latest insights in epidemiology, detection and intervention

Aims: To describe the impact of Cardiovascular diseases (CVDs) on the burden of disease and prognosis in patients with COPD, explain the cardiovascular risk associated with exacerbations of COPD, identify strategies for early diagnosis of CVDs in patients with COPD, and list innovative pharmacologic and non-pharmacologic interventions to reduce cardiovascular risk in patients with COPD.

08:30 - 10:00
08:30 - 10:00

Respiratory medicine meets other disciplines: Shaping the future of pulmonary hypertension
Joint European Society of Cardiology/European Respiratory Society session

Aims: To explain the central role of the pulmonary vascular endothelium in the development of lung diseases; to present novel insights from genomics and other omics: will this lead to precision medicine in the treatment of pulmonary hypertension?; to understand the potential role of adaptive trial design in rare diseases such as pulmonary hypertension; to discuss the potential role of interventional cardiology in the treatment of pulmonary hypertension.

Disease(s): Pulmonary vascular diseases
Method(s): Cell and molecular biology Imaging Physiology
Tag(s): Clinical
Target audience: Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Nurse, Physiologist, Radiologist
Chairs: Mona Lichtblau (Zürich, Switzerland), George Giannakoulas (Thessaloniki, Greece), Marion Delcroix (Leuven, Belgium)

08:30 The vascular origin of lung disease
Jurjan Aman (Amsterdam, Netherlands)

08:45 Are we ready for precision medicine in pulmonary hypertension?
Athénaïs Boucly (London, United Kingdom)

09:00 The future of trial design in pulmonary arterial hypertension
Marius M. Hoeper (Hannover, Germany)

09:15 Future interventional strategies to unload the right ventricle in pulmonary hypertension
Irene Lang (Wien, Austria)

09:30 Discussion and Q&A

08:30 - 10:00

State of the art session: Respiratory infections
Pulmonary aspergillosis

Aims: To describe the spectrum of pulmonary aspergillosis; to explain the microbiological diagnosis and interpretation of drug sensitivity test results of pulmonary aspergillus infections; to describe the antifungal therapeutic options and challenges for pulmonary aspergillus.

Disease(s): Respiratory infections
Method(s): General respiratory patient care
Tag(s): Clinical
Target audience: Adult pulmonologist/Clinician, General practitioner, Medical Student, Paediatrician, Physician in Pulmonary Training
Chairs: Daiana Stolz (Freiburg, Germany), Hitasha Rupani (Southampton, United Kingdom), Thomas Wilkinson (Southampton (Hampshire), United Kingdom)

08:30 The spectrum of pulmonary aspergillosis
Eva Van Braeckel (Ghent, Belgium)

08:45 Microbiological diagnosis of pulmonary aspergillosis
Paul Verveij (Nijmegen, Netherlands)

09:00 Antifungal therapeutic options and challenges
Martin Hoenigl (Graz, Austria)
Mini symposium: Use of radiology tools in healthcare pathways

**Aims:** To explain what photon counting is and how to use this technique in imaging of the lungs; to illustrate what an MRI examination means for a child and what the indications are for such an examination in children; to present benefits of ultrasound as a simple technique that can be performed at the bedside and the indications for ultrasound at the bedside in the emergency setting for the immediate diagnosis of acute respiratory failure.

**Disease(s):** Airway diseases, Paediatric respiratory diseases, Thoracic oncology

**Method(s):** Imaging

**Tag(s):** Clinical, Congress theme: Humans and Machines: getting the balance right

**Target audience:** Adult pulmonologist/Clinician, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Paediatrician, Radiologist, Scientist (basic, translational), Thoracic oncologist, Journalist

**Chairs:** Walter De Wever (Leuven, Belgium), Amanda Dandanell Juul (Odense S, Denmark), Frans H.C. De Jongh (Enschede, Netherlands)

**08:30** Photon-counting CT in lung imaging: new CT technology for better diagnosis with a lower radiation dose

**08:45** Novel pulmonary MRI and artificial intelligence of neonatal lung disease

**09:00** Ultrasound of the lung in the emergency setting

**09:15** Discussion and Q&A

**10:15 - 11:45**

Symposium: The metabolic niche in pulmonary fibrosis

**Immunometabolism: from macrophages to fibroblasts and back again**

**Aims:** To provide an overview of cellular energy metabolism from glucose to glycogen, amino acids, mitochondria and the tricarboxylic acid cycle; to explain how nutrient regulation is closely linked to cellular behaviour; to discuss how cellular metabolism is rewired and tailored for cellular effector function, highlighting how immune cells like macrophages, structural cells like fibroblasts and epithelial cells like alveolar type II cells utilise and rely on different metabolic pathways for survival and function with a particular emphasis on pro-inflammatory activity and damage/repair responses of structural cells; to discuss how metabolic reprogramming occurs in lung fibrosis and is tightly linked to pathological mechanisms of the disease process; to discuss clinical implications and opportunities for therapy.

**Disease(s):** Airway diseases, Interstitial lung diseases, Paediatric respiratory diseases

**Method(s):** Cell and molecular biology, Physiology

**Tag(s):** Basic science, Translational

**Target audience:** Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Pathologist, Scientist (basic, translational)

**Chairs:** Rachel Chambers (London, United Kingdom), Sara Cuevas Ocaña (Nottingham, United Kingdom)

**10:15** Defining the role of lung macrophage metabolism during lung fibrosis

**10:30** Dysfunctional alveolar type II cell metabolism drives fibrosis

Ana Mora (Ohio, United States)

**10:45** Fibrometabolism: an emerging therapeutic frontier in pulmonary fibrosis

Brintha Selvarajah (London, United Kingdom)

**11:00** Spatial metabolomics reveals glycogen is an actionable target for pulmonary fibrosis

Christopher Waters (Lexington, United States)

**11:15** Discussion and Q&A

**10:15 - 11:45**

Symposium: Non-infectious pulmonary complications of childhood cancers: from theory to practice
Aims: To identify vulnerable paediatric cancers prone to lung complications and to list treatment-related risks during and after childhood cancer; to explain the fundamental concepts underlying stem cell transplantation and to outline the risk factors and various classifications of graft-versus-host disease affecting the lungs; to differentiate between interstitial and airway-related lung complications in childhood cancer based on clinical symptoms and diagnostics (including lung function and computed tomography imaging); to outline the extent of lung complications in childhood cancer survivors throughout their lifetime; to discuss a recently published international guideline concerning screening for lung complications in childhood cancer survivors; to emphasise the importance of concentrated care and global cooperation for advancing the field of paediatric pulmo-oncology, which continues to face substantial mortality and morbidity challenges.

**Disease(s):** Airway diseases, Interstitial lung diseases, Paediatric respiratory diseases

**Method(s):** General respiratory patient care, Imaging, Pulmonary function testing

**Target audience:** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Respiratory critical care physician, Paediatrician, Physician in Pulmonary Training, Radiologist, Thoracic oncologist

**Chairs:** Sophie Cohen (Amsterdam, Netherlands), Alexander Möller (Zürich, Switzerland), Nicole Beydon (Paris, France)

10:15: **Non-infectious pulmonary complications: a comprehensive overview**
Samuel Goldfarb (Minneapolis, United States)

10:30: **Non-infectious chronic pulmonary complications of stem cell transplantation: monitoring, diagnosis and treatment options**
Hilde Hylland Uhling (København, Denmark)

10:45: **Implementing an internationally harmonised guideline: essential pulmonary follow-up for paediatric cancer survivors after pulmonary toxic treatments**
Maria Otth (St Gallen, Switzerland)

11:00: **Delving into radiation pneumonitis: discussion through a paediatric case study description**
Sabine M.P.J. Prevaes (Utrecht, Netherlands)

11:15: **Discussion and Q&A**

**Symposium: New therapeutic approaches in the management of pulmonary embolism, including high risk pulmonary embolism**

Aims: To illustrate the new approaches being developed to evaluate therapeutic candidates for pulmonary vascular disease, particularly pulmonary embolism (PE), which may be biological (e.g. with the emergence of biotherapies in the field of PE) or the development of European collaborative platforms (such as the development of multidimensional tools to predict the risk of recurrence after the first episode of PE); to focus on the treatment of patients with PE at high risk of mortality; to discuss available evidence in rare situations.

**Disease(s):** Pulmonary vascular diseases, Respiratory critical care

**Method(s):** General respiratory patient care, Respiratory intensive care

**Tag(s):** Clinical, Translational

**Target audience:** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Nurse, Respiratory critical care physician, Patient, Physician in Pulmonary Training, Radiologist, Thoracic surgeon

**Chairs:** Mona Lichtblau (Zürich, Switzerland), George Giannakoulas (Thessaloniki, Greece), Marion Delcroix (Leuven, Belgium)

10:15: **Targeting factor XI: is it really a new generation of anticoagulants?**
Laurent Bertoletti (Saint Etienne Cedex, France)

10:30: **Development of a multicompartmental approach to protect against recurrence of pulmonary embolism**
Francis Couturaud (Brest, France)

10:45: **Systemic fibrinolysis: how many patients benefit from this treatment?**
Speaker to be confirmed

11:00: **Catheter-directed therapies and ECMO: what is their place in the management of patients with acute pulmonary embolism?**
Stavros Konstantinides (Mainz, Germany)

11:15: **Discussion and Q&A**

**Clinical trials session: ALERT 1:**

Aims: The ALERT sessions (Abstracts Leading to Evolution in Respiratory Medicine Trials) showcase important and very late-breaking clinical trial data from all respiratory disease areas. Presenters, discussants, session chairs and the audience will actively discuss the showcased trials.
Clinical cases: Clinical challenges beyond guidelines

**Aims:** To describe the controversial aspects of the current guidelines for rehabilitation models, use of as-needed inhaled corticosteroids/formoterol in mild asthma, lung cancer screening and systemic sclerosis-associated interstitial lung disease; to discuss data underpinning nonadherence and alternative approaches to current recommendations; to propose evidence-based substitute management recommendations for clinicians; to identify areas of concern; to highlight the need for further research; to explain the limitations of the guidelines in order to put them in some prospective and clinical practice.

**Disease(s):** Airway diseases, Respiratory infections, Interstitial lung diseases, Thoracic oncology

**Tag(s):** Clinical

**Chairs:** Walter De Wever (Leuven, Belgium), Amanda Dandanell Juul (Odense S, Denmark), Frans H.C. De Jongh (Enschede, Netherlands)

10:15

**Traditional centre-based rehabilitation versus alternative models: two guidelines, two interpretations?, incl. Q&A**
Heleen Demeyer (Leuven, Belgium)

10:37

**Use of as-needed inhaled corticosteroids/formoterol in mild asthma, incl. Q&A**
Anneke ten Brinke (Leeuwarden, Netherlands)

10:59

**Positive findings in lung cancer screening, incl. Q&A**
Wouter H. van Geffen (Leeuwarden, Netherlands)

11:21

**Treatment of systemic sclerosis-associated interstitial lung disease, incl. Q&A**
Antoine Froidure (Bruxelles, Belgium)

Clinical cases: Lungs on fire: respiratory infections?

**Aims:** to present real-life clinical cases as part of an interactive session. Cases vary in difficulty and may require differential diagnosis. This session is led by two discussants who will present cases submitted by respiratory health professionals to a panel of experts and will drive the discussion in a step-by-step approach, encouraging dialogue and reflection among the panel, who have no prior knowledge of these cases. As the cases are discussed, the discussants will invite the audience to participate in determining which diagnostic and therapeutic options would be best for these patients.

**Disease(s):** Respiratory infections

**Tag(s):** Clinical

**Chairs:** Daiana Stolz (Freiburg, Germany), Hitasha Rupani (Southampton, United Kingdom), Thomas Wilkinson (Southampton (Hampshire), United Kingdom)

**Discussants:** Onno Akkerman (Groningen, Netherlands), Eva Polverino (Barcelona, Spain)

10:15

**Case 1 incl. panel discussion and Q&A**
Eva Polverino (Barcelona, Spain)

10:37

**Case 2 incl. panel discussion and Q&A**
Onno Akkerman (Groningen, Netherlands)

10:59

**Case 3 incl. panel discussion and Q&A**
Eva Polverino (Barcelona, Spain)
11:21 Case 4 incl. panel discussion and Q&A
Onno Akkerman (Groningen, Netherlands)

13:45 - 15:15

Symposium: Obstructive sleep apnoea and vascular injury: what we know and where we are going

Aims: To discuss pathophysiological mechanisms and novel markers of the vascular sequelae of obstructive sleep apnoea (OSA) in different vascular beds and different populations including children.

Disease(s): Paediatric respiratory diseases, Sleep and breathing disorders
Method(s): General respiratory patient care, Physiology
Tag(s): Clinical, Translational
Target audience: Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Respiratory critical care physician, Paediatrician, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Respiratory therapist
Chairs: Henri Korkalainen (Finland), Athanasia Pataka (Thessaloniki, Greece), Dries Testelmans (Leuven, Belgium)

13:45 How can obstructive sleep apnoea lead to vascular injury?
Silke Ryan (Dublin, Ireland)

14:00 Surrogate markers of vascular injury and cardiovascular autonomic stress in obstructive sleep apnoea
Manuel Sanchez De La Torre (Toledo, Spain)

14:15 Consequences of obstructive sleep apnoea on the cerebrovascular bed and effect of obstructive sleep apnoea therapy on stroke risk
Esther Irene Schwarz (Zürich, Switzerland)

14:30 Elevated blood pressure in otherwise healthy children with obstructive sleep apnoea and the effects of adenotonsillectomy: the jury is still out
Athanasios G. Kaditis (Athens, Greece)

14:45 Discussion and Q&A

13:45 - 15:15

Symposium: Smoking in patients with obstructive airway diseases: a challenge beyond chronic obstructive pulmonary disease

Aims: To understand the importance of smoking cessation as an integral part of every service for patients of pulmonary physicians; to highlight tobacco cessation in adolescence as a complex and ongoing process that should involve various stakeholders, including schools, healthcare providers, parents and the community, to create a comprehensive strategy for success.

Disease(s): Airway diseases
Method(s): Epidemiology, Public health
Tag(s): Clinical, Translational, Congress theme: Humans and Machines: getting the balance right
Target audience: Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Patient, Physician in Pulmonary Training, Scientist (basic, translational), Respiratory therapist, Journalist
Chairs: Ane Johannessen (Bergen, Norway), Apostolos Bossios (Stockholm, Sweden), Howraman Meteran (Hvidovre, Denmark)

13:45 Smoking among adolescents: facts on data
Stamatoula Tsikrika (Athens, Greece)

14:00 Cellular mechanisms and structural changes associated with cigarette smoking in asthma: impact of smoking on asthma inflammatory phenotypes
Guy Brusselle (Ghent, Belgium)

14:15 Smoking before and after COPD diagnosis
Aslı Görek Dilektaşlı (Bursa, Turkey)

14:30 Impact of smoking on treatment response: reduced efficacy of inhaled corticosteroids and biologicals?
Marco Idzko (Wien, Austria)

14:45 Discussion and Q&A

13:45 - 15:15

State of the art session: Thoracic oncology
Lung cancer diagnostics and treatment challenges
**Aims:** To describe essential criteria to decide the best personalised treatment options in early-stage non-small cell lung cancer (NSCLC); to describe the indications and applications of robotic bronchoscopy in the diagnosis and management of early-stage NSCLC; to explain the indications for neoadjuvant treatment at stage IB/IIA and adjuvant treatment at stage I and to describe the identification of potential candidates; to describe the impact of chemo/immunotherapy on the type of surgical resection and subsequent surgical events; to identify associations with surgical outcomes.

**Disease(s):** Thoracic oncology

**Method(s):** Imaging  Surgery

**Tag(s):** Clinical

**Target audience:** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Pathologist, Patient, Physician in Pulmonary Training, Radiologist, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon, Journalist

**Chairs:** Najib M. Rahman (ABINGDON, United Kingdom), Didier Schneiter (Zürich, Switzerland), Maria Joana Pereira Catarata (Porto, Portugal)

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<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>13:45</td>
<td>The modern endoscopic approach for lung cancer</td>
<td>Niral Patel (La Jolla, United States)</td>
</tr>
<tr>
<td>14:00</td>
<td>Neoadjuvant treatment in stage IB/IIA. Who, when, why?</td>
<td>Jacques Cadranel (Paris Cedex 20, France)</td>
</tr>
<tr>
<td>14:15</td>
<td>Neoadjuvant chemo-/immunotherapy and subsequent surgical approach and outcomes: the surgeon’s view</td>
<td>Alessandro Brunelli (Leeds (West Yorkshire), United Kingdom)</td>
</tr>
<tr>
<td>14:30</td>
<td>State-of-the-art molecular diagnostics in lung cancer for the pulmonologist</td>
<td>Joanna Chorostowska-Wynimko (Warsaw, Poland)</td>
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<tr>
<td>14:45</td>
<td>Discussion and Q&amp;A</td>
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### 13:45 - 15:15  
**State of the art session: Interstitial lung diseases**  
**Pitfalls in clinical trials in idiopathic pulmonary fibrosis**

**Aims:** To focus on understanding the lessons learned from the failed trials and how drug development can be improved for IPF; to present novel endpoints different from forced vital capacity decline.

**Disease(s):** Interstitial lung diseases

**Method(s):** General respiratory patient care

**Tag(s):** Clinical

**Target audience:** Adult pulmonologist/Clinician, Clinical researcher, Physician in Pulmonary Training, Radiologist

**Chairs:** Antoine Froidure (Bruxelles, Belgium), Marlies S. Wijsenbeek (Rotterdam, Netherlands), Katerina Antoniou (Heraklion, Greece)

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<tr>
<td>13:45</td>
<td>Failed idiopathic pulmonary fibrosis trials: lessons learned</td>
<td>Luca Richeldi (Roma, Italy)</td>
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<tr>
<td>14:00</td>
<td>Beyond forced vital capacity: prime time for patient-reported outcomes</td>
<td>Yet Hong Khor (Melbourne (VIC), Australia)</td>
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<tr>
<td>14:15</td>
<td>Choosing targetable pathogenetic pathways?</td>
<td>Manuela Funke-Chambour (Bern, Switzerland)</td>
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<tr>
<td>14:30</td>
<td>Clinical trials on acute exacerbations</td>
<td>Bruno Crestani (Paris, France)</td>
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<td>14:45</td>
<td>Discussion and Q&amp;A</td>
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### 13:45 - 15:15  
**Mini symposium: End-of-life care in non-cancer conditions**

**Aims:** To describe an evidence-based approach to end-of-life issues in different diseases and situations.
**Symposium: Lung function abnormalities, chronic obstructive lung disease and multimorbidity**

**Aims:** To provide an expert overview of the current state of knowledge concerning patterns of lung function and cardiovascular and other comorbidities; to highlight that evidence is stronger for restrictive than obstructive defects; to clarify that chronic obstructive pulmonary disease (COPD)-comorbidity links are largely explained by known risk factors, whereas the restrictive lung function-comorbidity link has not been fully explored or explained; to present evidence from low- and middle-income countries linking a low forced vital capacity (small lungs) to cardiometabolic comorbidities; to demonstrate that part of the association between a restrictive defect (lower forced vital capacity) and cardiovascular comorbidity is explained by shared developmental signalling pathways; to describe the clinical and healthcare implications of comorbidities associated with COPD and impaired lung function; to describe how artificial intelligence techniques have contributed to lung function trajectory modelling; to provide take-home messages; to provide a deeper understanding of respiratory comorbidities and their clinical implications.

**Disease(s):** Airway diseases

**Method(s):** Epidemiology Public health

**Tag(s):** Translational

**Target audience:** Adult pulmonologist/Clinician, Clinical researcher, Scientist (basic, translational)

**Chairs:** Ane Johannessen (Bergen, Norway), Apostolos Bossios (Stockholm, Sweden), Howraman Meteran (Hvidovre, Denmark)

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<tbody>
<tr>
<td>15:30</td>
<td>Lung function and asthma trajectories and extrapulmonary comorbidities</td>
<td>Shyamali Dharmage (Carlton Victoria, Australia)</td>
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<tr>
<td>15:45</td>
<td>Respiratory comorbidities in Sub-Saharan Africa: a cardiologist's perspective</td>
<td>Ana Mocumbi (Maputo, Mozambique)</td>
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<tr>
<td>16:00</td>
<td>Shared developmental origins of low adult lung function and cardiovascular comorbidity</td>
<td>Seif Shaheen (London, United Kingdom)</td>
</tr>
<tr>
<td>16:15</td>
<td>Clinical and healthcare implications of COPD and multimorbidity</td>
<td>Leonardo Michele Fabbri (Modena, Italy)</td>
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15:30 - 17:00

**Symposium: Future developments in respiratory failure**

**Aims:** To describe the future developments in acute and chronic respiratory care and mechanical ventilation.

**Disease(s):** Respiratory critical care

**Method(s):** General respiratory patient care Physiology

**Tag(s):** Clinical, Congress theme: Humans and Machines: getting the balance right

**Target audience:** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Pathologist, Patient, Physician in Pulmonary Training, Physiologist, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Thoracic oncoologist, Thoracic surgeon, Respiratory therapist

**Chairs:** Marieke L. Duiverman (Groningen, Netherlands), Christian Karagiannidis (Cologne, Germany)
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<tr>
<td>15:30</td>
<td>How can we use big data and artificial intelligence to optimise and personalise treatment of respiratory failure?</td>
<td>Lucas Fleuren (Amsterdam, Netherlands)</td>
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<tr>
<td>15:45</td>
<td>Future treatments of acute respiratory distress syndrome</td>
<td>Liuwe D.J. Bos (Amsterdam, Netherlands)</td>
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<tr>
<td>16:00</td>
<td>Telemedicine-guided set-up of home mechanical ventilation</td>
<td>Marieke L. Duiverman (Groningen, Netherlands)</td>
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<tr>
<td>16:15</td>
<td>Remote monitoring to optimise long-term home mechanical ventilation care</td>
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<td>Discussion and Q&amp;A</td>
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15:30 - 17:00

Symposium: Novel diagnostic approaches to sleep-disordered breathing and translation to personalised patient care

**Aims:** To review the recent advances in diagnostic technology, discuss the application of machine learning tools for improved diagnostic accuracy and describe the development of novel applications that are directed towards improved patient participation in personalised care in the context of the ongoing major European Union Horizon 2020 grant “Sleep Revolution” (Grant Agreement no. 965417); to provide a comprehensive understanding of the latest advances in diagnostic tools and technologies for sleep-disordered breathing; to identify the mechanics, advantages and potential limitations of novel diagnostic approaches, enabling them to evaluate and incorporate these tools into their clinical practice or research; to equip participants with the knowledge and skills required to translate diagnostic findings into personalised care strategies; to foster a collaborative environment that encourages the sharing of ideas and experiences among participants.

**Disease(s):** Sleep and breathing disorders

**Method(s):** General respiratory patient care, Physiology, Public health

**Tag(s):** Translational, Congress theme: Humans and Machines: getting the balance right

**Target audience:** Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Patient, Scientist (basic, translational), Journalist

**Chairs:** Henri Korkalainen (Finland), Athanasia Pataka (Thessaloniki, Greece), Dries Testelmans (Leuven, Belgium)

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<tbody>
<tr>
<td>15:30</td>
<td>Sleep Revolution: objectives and achieved milestones in revolutionising sleep-disordered breathing diagnostics and management</td>
<td>Erna Sif Arnardóttir (Reykjavik, Iceland)</td>
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<tr>
<td>15:45</td>
<td>Novel technologies in the diagnosis and management of sleep-disordered breathing</td>
<td>Ding Zou (Gothenburg, Sweden)</td>
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<tr>
<td>16:00</td>
<td>Machine learning and data analytical approaches to improve the diagnosis and management of sleep-disordered breathing</td>
<td>Timo Leppänen (Kuopio, Finland)</td>
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<tr>
<td>16:15</td>
<td>Translation of technological developments in diagnosis to personalised patient care</td>
<td>Sophia E. Schiza (Heraklion, Greece)</td>
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<td>16:30</td>
<td>Discussion and Q&amp;A</td>
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15:30 - 17:00

Journal session: The best of the European Respiratory Journal

**Aims:** To review the best papers published in the European Respiratory Journal during 2024 in the following fields: sleep and ventilation, cystic fibrosis and bronchiectasis, translational science and airways disease.

**Disease(s):** Airway diseases, Respiratory infections, Sleep and breathing disorders

**Method(s):** Cell and molecular biology

**Tag(s):** Clinical

**Target audience:** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Paediatrician, Pathologist, Patient, Physician in Pulmonary Training, Physiologist, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon, Respiratory therapist, Journalist

**Chairs:** Raquel Duarte (Porto, Portugal), James D. Chalmers (Dundee (Angus), United Kingdom)

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<tr>
<td>15:30</td>
<td>The best of the ERJ- sleep and ventilation</td>
<td>Patrick Lévy (Grenoble, France)</td>
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<td>Time</td>
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<tr>
<td>15:45</td>
<td>The best of the ERJ- cystic fibrosis and bronchiectasis</td>
<td>Marcus Mall (Berlin, Germany)</td>
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<tr>
<td>16:00</td>
<td>The best of the ERJ- translational sciences</td>
<td>Melanie Königshoff (Pittsburgh, United States)</td>
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<td>16:15</td>
<td>The best of the ERJ- COPD and asthma</td>
<td>Jodie Simpson (New Lambton (NSW), Australia)</td>
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<td>16:30</td>
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**Clinical cases: Lungs on fire: lung cancer?**

**Aims:** to present real-life clinical cases as part of an interactive session. Cases vary in difficulty and may require differential diagnosis. This session is led by two discussants who will present cases submitted by respiratory health professionals to a panel of experts and will drive the discussion in a step-by-step approach, encouraging dialogue and reflection among the panel, who have no prior knowledge of these cases. As the cases are discussed, the discussants will invite the audience to participate in determining which diagnostic and therapeutic options would be best for these patients.

**Disease(s):** Thoracic oncology

**Tag(s):** Clinical

**Chairs:** Najib M. Rahman (ABINGDON, United Kingdom), Didier Schneiter (Zürich, Switzerland), Joanna Chorostowska-Wynimko (Warsaw, Poland)

**Discussants:** Georgia Hardavella (Athens, Greece), Torsten Gerriet Blum (Berlin, Germany)

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<td>Georgia Hardavella (Athens, Greece)</td>
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<tr>
<td>15:52</td>
<td>Case 2 incl. panel discussion and Q&amp;A</td>
<td>Torsten Gerriet Blum (Berlin, Germany)</td>
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<td>16:14</td>
<td>Case 3 incl. panel discussion and Q&amp;A</td>
<td>Georgia Hardavella (Athens, Greece)</td>
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<tr>
<td>16:36</td>
<td>Case 4 incl. panel discussion and Q&amp;A</td>
<td>Torsten Gerriet Blum (Berlin, Germany)</td>
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**Clinical cases: Lungs on fire: interstitial lung diseases?**

**Aims:** to present real-life clinical cases as part of an interactive session. Cases vary in difficulty and may require differential diagnosis. This session is led by two discussants who will present cases submitted by respiratory health professionals to a panel of experts and will drive the discussion in a step-by-step approach, encouraging dialogue and reflection among the panel, who have no prior knowledge of these cases. As the cases are discussed, the discussants will invite the audience to participate in determining which diagnostic and therapeutic options would be best for these patients.

**Disease(s):** Interstitial lung diseases

**Tag(s):** Clinical

**Chairs:** Antoine Froideur (Bruxelles, Belgium), Marlies S. Wijsenbeek (Rotterdam, Netherlands), Katerina Antoniou (Heraklion, Greece)

**Discussants:** Vincent Cottin (Lyon, France), Pilar Rivera Ortega (Manchester, United Kingdom)

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<td>Case 4 incl. panel discussion and Q&amp;A</td>
<td>Vincent Cottin (Lyon, France)</td>
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### 08:00 - 10:20

**Additional registration required for this session**

**Skills workshop: SW7 Interpretation of cardiopulmonary exercise tests**  
**Tips and pitfalls in evaluating the pulmonary aspects of cardiopulmonary exercise testing**

**Aims:** To identify the typical pulmonary patterns of responses in cardiopulmonary exercise testing, and to develop new skills and expertise to discriminate these from anomalous response profiles, which can cause misinterpretation of test results; to develop skills to correctly assess breathlessness and dynamic hyperinflation.

**Disease(s):** Airway diseases, Interstitial lung diseases, Pulmonary vascular diseases  
**Method(s):** Physiology, Pulmonary function testing, Pulmonary rehabilitation  
**Target audience:** Adult pulmonologist/Clinician, Clinical researcher, Paediatrician, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Respiratory therapist  
**Chairs:** J. Alberto Neder (Kingston (ON), Canada)

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<tr>
<td>08:00</td>
<td>Tools to assess breathlessness</td>
<td>Hayley Lewthwaite (Merewether, Australia)</td>
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<tr>
<td>08:00</td>
<td>Breathing pattern and dynamic hyperinflation interpretation</td>
<td>James H. Hull (London, United Kingdom)</td>
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<tr>
<td>08:00</td>
<td>Ventilatory efficiency and gas exchange</td>
<td>J. Alberto Neder (Kingston (ON), Canada)</td>
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<tr>
<td>08:00</td>
<td>Dynamic hyperinflation and other respiratory measurements: live demonstration</td>
<td>William Stringer (Long Beach, United States), Mathieu Marillier (Echirolles, France)</td>
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### 10:40 - 13:00

**Additional registration required for this session**

**Skills workshop: SW8 Interpretation of cardiopulmonary exercise tests**  
**Tips and pitfalls in evaluating the pulmonary aspects of cardiopulmonary exercise testing**

**Aims:** To identify the typical pulmonary patterns of responses in cardiopulmonary exercise testing and to develop new skills and expertise to demonstrate how to discriminate these from anomalous response profiles, which can cause misinterpretation of test results. To develop skills in the correct assessment of breathlessness and dynamic hyperinflation.

**Disease(s):** Airway diseases, Interstitial lung diseases, Pulmonary vascular diseases  
**Chairs:** Afroditi Boutou (Thessaloniki, Greece)

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<tr>
<td>10:40</td>
<td>Tools to assess breathlessness</td>
<td>Michele Schaeffer (Leuven, Belgium)</td>
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<td>Breathing pattern and dynamic hyperinflation interpretation</td>
<td>Hayley Lewthwaite (Merewether, Australia)</td>
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<tr>
<td>10:40</td>
<td>Ventilatory efficiency and gas exchange</td>
<td>William Stringer (Long Beach, United States)</td>
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<tr>
<td>10:40</td>
<td>Dynamic hyperinflation and other respiratory measurements – live DEMO</td>
<td>Paolo Palange (Rome, Italy), Afroditi Boutou (Thessaloniki, Greece)</td>
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### 14:30 - 16:50

**Additional registration required for this session**

**Skills workshop: SW9 Interpretation of cardiopulmonary exercise tests**  
**Tips and pitfalls in evaluating the pulmonary aspects of cardiopulmonary exercise testing**

**Aims:** To identify the typical pulmonary patterns of responses in cardiopulmonary exercise testing and to develop new skills and expertise to demonstrate how to discriminate these from anomalous response profiles, which can cause misinterpretation of test results. To develop skills in the correct assessment of breathlessness and dynamic hyperinflation.

**Disease(s):** Airway diseases, Interstitial lung diseases, Pulmonary vascular diseases  
**Chairs:** James H. Hull (London, United Kingdom)

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<td>Tools to assess breathlessness</td>
<td>J. Alberto Neder (Kingston (ON), Canada)</td>
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08:00 - 10:20

Additional registration required for this session

Skills workshop: SW10 Practicalities of spirometry and whole-body plethysmography

Aims: To develop the technical expertise needed to perform spirometry and whole-body plethysmography according to both best practice and the latest recommendations that are supported by experts in the field; to explain the measurements of spirometry, static lung volumes, airway resistance and resistance-volume loops via whole-body plethysmography; to describe the technical aspects of the body box, standardisation of test performance, reporting and case study interpretation.

Disease(s): Airway diseases, Paediatric respiratory diseases

Method(s): Physiology, Pulmonary function testing

Target audience: Adult pulmonologist/ Clinician, Clinical researcher, Medical Student, Nurse, Paediatrician, Physician in Pulmonary Training, Physiologist

Chairs: Rachel Ong-Salvador (Amsterdam, Netherlands)

08:00 Perforimg Spirometry
Vicky Moore (Coventry, United Kingdom)

08:00 Standardised static lung volume measurement using whole-body plethysmography
Aisling McGowan (Dublin 15, Ireland)

08:00 Measurement of airway resistance and resistance volume loops using whole-body plethysmography
Mart N. van der Plas (Monster, Netherlands)

08:00 Reporting and interpretation of case studies
Gregory King (Sydney (NSW), Australia)

10:40 - 13:00

Additional registration required for this session

Skills workshop: SW11 Practicalities of spirometry & whole-body plethysmography

Aims: This skills workshop will help attendees gain the technical expertise needed to perform spirometry and whole body plethysmography according to both best practice and the latest recommendations that are supported by experts in the field; to understand the measurements of spirometry, static lung volumes, airway resistance and resistance-volume loops via whole body plethysmography; and to learn about the technical aspects of the body box, standardisation of test performance, reporting and case study interpretation.

Disease(s): Airway diseases, Paediatric respiratory diseases

Method(s): Physiology, Pulmonary function testing

Target audience: Adult pulmonologist/ Clinician, Clinical researcher, Medical Student, Nurse, Paediatrician, Physician in Pulmonary Training, Physiologist

Chairs: Sam Bayat (Grenoble, France)

10:40 Performing Spirometry
Jana Kivistik (Tartu, Estonia)

10:40 Standardised static lung volume measurement using whole body plethysmography
Matthew Rutter (Cambridge (Cambridgeshire), United Kingdom)

10:40 Measurement of airway resistance and resistance volume loops using whole body plethysmography
Monique Wapenaar - De Korver (Vlaardingen, Netherlands)

10:40 Reporting and interpretation of case studies
Maximillian Thomas (Birmingham, United Kingdom)
### Symposium: Implementing new strategies and treatments in asthma and chronic obstructive pulmonary disease

**Aims:** To update European Respiratory Society members on the novel therapies developed in recent years for airway diseases, asthma and chronic obstructive pulmonary disease; to explore the current status and future of innovative and well-established therapies that can be accessed to help patients.

**Disease(s):** Airway diseases

**Method(s):** Epidemiology  Public health

**Tag(s):** Clinical

**Target audience:** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Patient, Physician in Pulmonary Training, Respiratory physiotherapist, Scientist (basic, translational)

**Chairs:** Emer Kelly (Dublin 4, Ireland), Augusta Beech (Manchester, United Kingdom), Stylianos Loukides (Athens, Greece)

#### 08:30 - 10:00

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<tbody>
<tr>
<td>08:30</td>
<td>Anti-inflammatory reliever in clinical practice in asthma: how to implement in the background of GINA?</td>
<td>Anneke ten Brinke (Leeuwarden, Netherlands)</td>
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<tr>
<td>08:45</td>
<td>Biological therapy in asthma: how to deal with the many options available</td>
<td>Florence Schleich (Liège, Belgium)</td>
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<tr>
<td>09:00</td>
<td>Dual phosphodiesterase 3 and 4 inhibitors: the new kind of COPD blocker?</td>
<td>Paola Rogliani (Roma (RM), Italy)</td>
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<tr>
<td>09:15</td>
<td>Biologics in COPD a recipe for failure or success?</td>
<td>Christopher E. Brightling (Leicester (Leicestershire), United Kingdom)</td>
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<td>09:30</td>
<td>Discussion and Q&amp;A</td>
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### Symposium: Evolution of mesothelioma therapy informed by modern phenotyping and stratification

**Aims:** To summarise progress made using tissue and imaging features, including use of artificial intelligence; to provide a staging update, including the value of ancillary tests, such as positron emission tomography-computed tomography and magnetic resonance imaging, and a summary of the 9th edition of the TNM algorithm, which will be published prior to congress; to cover radical therapeutic approaches, including a detailed review of the recent MARS2 surgical trial and adjuvant strategies; to provide a state-of-the-art summary of systemic therapeutic options, including 5-year survival data for combination immunotherapy and outcomes of biomarker-directed therapies emerging from the MIST (Mesothelioma Stratified Therapy) platform, which will both be available before the congress.

**Disease(s):** Thoracic oncology

**Method(s):** Cell and molecular biology  General respiratory patient care  Surgery

**Tag(s):** Clinical, Congress theme: Humans and Machines: getting the balance right

**Target audience:** Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Nurse, Pathologist, Patient, Physician in Pulmonary Training, Radiologist, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon

**Chairs:** Torsten Gerriet Blum (Berlin, Germany), Andriani Charpidou (Athens, Greece), Wouter H. van Geffen (Leeuwarden, Netherlands)

#### 08:30 - 10:00

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<tr>
<td>08:30</td>
<td>Molecular and histo-morphological insights informed by deep phenotyping and artificial intelligence in mesothelioma</td>
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Anatomical staging and immunologic phenotypes in mesothelioma: implications for trial design and treatment planning
Kevin Blyth (Glasgow (Glasgow), United Kingdom)

The role of therapeutic combinations involving surgery post-MARS2
Didier Schneiter (Zürich, Switzerland)

The changing systemic therapeutic landscape in mesothelioma: stratified therapy and long-term outcomes from immunotherapy
Dean Anthony Fennell (Leicester (Leicestershire), United Kingdom)

Discussion and Q&A

Year in review: Scientific year in review
Aims: To provide an overview of basic and translational scientific highlights and major achievements in the respiratory field within the past year, focusing on metabolic changes and abnormalities in interactions between immune and structural cells during lung aberrant tissue damage and repair responses in lung ageing and disease; to provide an overview of various key publications that are expected to have a major impact in the respiratory field and with high clinical relevance based on promising results in preclinical models; to cover a variety of pulmonary diseases; to discuss the potential for clinical translation of novel therapeutic strategies.

Disease(s): Airway diseases, Interstitial lung diseases, Respiratory infections
Method(s): Cell and molecular biology, Imaging
Tag(s): Translational
Target audience: Clinical researcher, Pathologist, Scientist (basic, translational)
Chairs: H. Irene Heijink (Groningen, Netherlands), Salman Siddiqui (London, United Kingdom)

Unveiling the role of immune-structural lung cell interactions in respiratory disease

Metabolic regulation of immune cells in COPD
Theodore Kapellos (Munich, Germany)

The fibroblast-lymphocyte-stem cell axis and regulation of inflammation and regeneration
Speaker to be confirmed

The impact of metabolic reprogramming on lung tissue repair
Speaker to be confirmed

Discussion and Q&A

State of the art session: Paediatric
Aims: To discuss important topics in paediatric respiratory medicine such as chronic cough in children, how useful preschool lung function is in daily clinics and which method should be used, and how complicated pneumonia in children can be managed and treated; to discuss lung involvement in systemic diseases in children, and how to detect and treat it.

Disease(s): Paediatric respiratory diseases, Respiratory infections
Method(s): Epidemiology, Imaging, Physiology
Tag(s): Clinical
Target audience: Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Medical Technical Assistant, Nurse, Paediatrician, Patient, Physicin in Pulmonary Training, Physiologist, Radiologist, Respiratory physiotherapist, Respiratory therapist
Chairs: Refika Hamutcu Ersu (Ottawa, Canada), Erol Gaillard (Leicester, United Kingdom), Sejal Saglani (London, United Kingdom)

Diagnostic approach to chronic cough in children
Anne Chang (Brisbane (QLD), Australia)

Preschool lung function: which test is helpful in clinics?
Shannon Simpson (Perth (WA), Australia)

Management of complicated pneumonia in children
Eitan Kerem (Jerusalem, Israel)

Lung involvement in systemic diseases: diagnosis and management
Sharon Dell (Vancouver, British Columbia, Canada)

Discussion and Q&A
**10:15 - 11:45**

### Symposium: Multiple pulmonary nodules: the challenge of diagnosis and management

**Aims:** To discuss multiple lung nodules; to emphasise the challenges that respiratory physicians, lung cancer specialists, radiologists, thoracic surgeons, medical and clinical oncologists and primary care personnel face regarding their diagnosis and treatment options; to identify the gaps and grey areas in the current guidelines; to provide up-to-date diagnostic and management algorithms for real-life clinical situations.

**Disease(s):** Thoracic oncology

**Method(s):** Endoscopy and interventional pulmonology  General respiratory patient care  Surgery

**Tag(s):** Clinical, Translational, Congress theme: Humans and Machines: getting the balance right

**Target audience:** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Pathologist, Patient, Physician in Pulmonary Training, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon, Respiratory therapist, Journalist

**Chairs:** Torsten Gerriet Blum (Berlin, Germany), Andriani Charpidou (Athens, Greece), Wouter H. van Geffen (Leeuwarden, Netherlands)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>10:15</td>
<td>Multiple subsolid and solid lung nodules: radiological determinants for identifying targets for invasive procedures or surveillance  &lt;br&gt; Walter De Wever (Leuven, Belgium)</td>
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<tr>
<td>10:30</td>
<td>Multiple lung nodules management: artificial intelligence determinants for identifying targets for invasive procedures or surveillance  &lt;br&gt; Speaker to be confirmed</td>
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<tr>
<td>10:45</td>
<td>Multiple lung nodule management algorithms in real life: grey zones as an opportunity to advance early lung cancer detection or overdiagnosis?  &lt;br&gt; Martina Koziar Vasakova (Praha 10, Czech Republic)</td>
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<tr>
<td>11:00</td>
<td>Multiple lung nodules: the surgeon's cut  &lt;br&gt; Speaker to be confirmed</td>
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<tr>
<td>11:15</td>
<td>Discussion and Q&amp;A</td>
</tr>
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</table>

### 10:15 - 11:45

### Symposium: Remission and response in asthma and chronic obstructive pulmonary disease

**Aims:** To address the recent concepts of response and remission in airway diseases, asthma and chronic obstructive pulmonary disease (COPD); to explain how to evaluate if a patient has a response to therapy; to explain the concept of remission in asthma and COPD and how it will be possible for patients in the near future.

**Method(s):** Epidemiology  General respiratory patient care  Public health

**Tag(s):** Clinical

**Target audience:** Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Nurse, Patient, Physician in Pulmonary Training, Scientist (basic, translational)

**Chairs:** Emer Kelly (Dublin 4, Ireland), Augusta Beech (Manchester, United Kingdom), Stylianos Loukides (Athens, Greece)

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<tr>
<th>Time</th>
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<tr>
<td>10:15</td>
<td>Defining responders and non-responders to biological therapy in patients with severe asthma: lost in translation?  &lt;br&gt; Arnaud Bourdin (Montpellier Cedex 5, France)</td>
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<tr>
<td>10:30</td>
<td>Remission in asthma: is it achievable?  &lt;br&gt; Celeste Michala Porsbjerg (Copenhagen, Denmark)</td>
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<tr>
<td>10:45</td>
<td>Can we make sense of responders and non-responders in COPD?  &lt;br&gt; Marc Miravitlles (Barcelona (CT), Spain)</td>
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<tr>
<td>11:00</td>
<td>Remission in COPD is it feasible?  &lt;br&gt; Dave Singh (Manchester, United Kingdom)</td>
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<tr>
<td>11:15</td>
<td>Discussion and Q&amp;A</td>
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</table>

### 10:15 - 11:45

### Symposium: No cell is an island: clinical implications of immunological crosstalk in the lung

The stromal-epithelial-lymphocyte-epithelial stem cell network in the lung and implications for airway disease
**Aims:** To introduce the stromal-epithelial-lymphocyte-epithelial stem cell network in the lung; to discuss how lung stromal/epithelial cells nurture and regulate lymphocyte populations in the lung; to discuss how the epithelial-immune cell circuit is important in airway disease; to discuss how the stromal-immune cell circuit is important in airway disease.

**Disease(s):** Airway diseases, Respiratory infections

**Method(s):** Cell and molecular biology

**Tag(s):** Translational

**Target audience:** Clinical researcher, Medical Student, Pathologist, Physiologist, Scientist (basic, translational)

**Chairs:** H. Irene Heijink (Groningen, Netherlands), Salman Siddiqui (London, United Kingdom)

**10:15**
Enhancing communication between bronchial epithelial cells and the T2 response as a therapeutic approach for airway disease
Lena Uller (Lund, Sweden)

**10:30**
Neutrophils restrain allergic airway inflammation by limiting ILC2 function and monocyte-dendritic cell interactions
Robert Snelgrove (London, United Kingdom)

**10:45**
Unveiling the impact of macrophage-alveolar epithelial cell paracrine crosstalk in viral infection
Susanne Herold (Gießen, Germany)

**11:00**
The role of lymphatic endothelial cells in modulating autoimmunity in emphysema
Hasina Outtz Reed (New York, United States)

**11:15**
Discussion and Q&A

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**10:15 - 11:45**

**Journal session: Respiratory syncytial virus-related acute respiratory infection**

*The Lancet and The Lancet Respiratory Medicine on understanding and addressing a substantial global health problem*

**Aims:** To provide an overview of research advances pertaining to respiratory syncytial virus (RSV)-related acute respiratory infection for specialist and non-specialist delegates; to provide insights into mechanisms of disease, review progress in the management of acute disease and the development and implementation of novel preventive strategies, consider the long-term impact of RSV infection, provide an overview of the global burden of RSV, and outline challenges and priorities for research, clinical practice and health policy.

**Disease(s):** Paediatric respiratory diseases, Respiratory critical care, Respiratory infections

**Method(s):** Cell and molecular biology, Epidemiology, Respiratory intensive care

**Tag(s):** Clinical

**Target audience:** Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Respiratory critical care physician, Paediatrician, Scientist (basic, translational)

**Chairs:** Emma Grainger (London, United Kingdom)

**10:15**
RSV in infants and children: addressing the burden of severe acute respiratory infection
Speaker to be confirmed

**10:30**
Exploring the link between RSV infection in early life and long-term respiratory health
Heather Joy Zar (Johannesburg, South Africa)

**10:45**
RSV-related disease in adult populations: developing strategies for management and prevention
Speaker to be confirmed

**11:00**
RSV vaccination and immunoprophylaxis: realising the potential for protection of young children
Speaker to be confirmed

**11:15**
Discussion and Q&A

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**Clinical cases: Lungs on fire: paediatric respiratory diseases**

**Aims:** To present real-life clinical cases as part of an interactive session. Cases vary in difficulty and may require differential diagnosis. This session is led by two discussants who will present cases submitted by respiratory health professionals to a panel of experts and will drive the discussion in a step-by-step approach, encouraging dialogue and reflection among the panel, who have no prior knowledge of these cases. As the cases are discussed, the discussants will invite the audience to participate in determining which diagnostic and therapeutic options would be best for these patients.

**Disease(s):** Paediatric respiratory diseases

**Tag(s):** Clinical

**Chairs:** Refika Hamutcu Ersu (Ottawa, Canada), Erol Gaillard (Leicester, United Kingdom), Sejal Saglani (London, United Kingdom)
Discussants: Marielle W.H. Pijnenburg (Rotterdam, Netherlands), David Drummond (Paris, France)

<table>
<thead>
<tr>
<th>10:15</th>
<th>Case 1 incl. panel discussion and Q&amp;A</th>
<th>Marielle W.H. Pijnenburg (Rotterdam, Netherlands)</th>
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<tbody>
<tr>
<td>10:37</td>
<td>Case 2 incl. panel discussion and Q&amp;A</td>
<td>David Drummond (Paris, France)</td>
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<tr>
<td>10:59</td>
<td>Case 3 incl. panel discussion and Q&amp;A</td>
<td>Marielle W.H. Pijnenburg (Rotterdam, Netherlands)</td>
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<tr>
<td>11:21</td>
<td>Case 4 incl. panel discussion and Q&amp;A</td>
<td>David Drummond (Paris, France)</td>
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**10:15 - 11:45**

Clinical cases: Imaging clinical cases: artificial intelligence and chest imaging: getting the balance right

**Artificial intelligence in lung fibrosis imaging and pulmonary nodule management**

**Aims:** To explain the roles of AI in lung fibrosis without radiologists and in pulmonary nodule management. Where are we now and what can be expected?

**Disease(s):** Interstitial lung diseases, Respiratory critical care, Thoracic oncology

**Method(s):** Epidemiology, General respiratory patient care, Imaging

**Tag(s):** Translational, Congress theme: Humans and Machines: getting the balance right

**Target audience:** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Paediatrician, Pathologist, Patient, Physician in Pulmonary Training, Physiologist, Radiologist, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon, Journalist

**Chairs:** Cormac McCarthy (Dublin 4, Ireland), Sara Tomassetti (Florence, Italy), Ádám Domonkos Tárnoki (Budapest, Hungary)

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<thead>
<tr>
<th>10:15</th>
<th>Artificial intelligence and the ILD clinician: risk, benefits and opportunities in chest imaging, incl. Q&amp;A</th>
<th>Kevin Brown (Denver, United States)</th>
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<tbody>
<tr>
<td>10:37</td>
<td>Artificial intelligence-assisted outcome prediction in fibrotic lung disease, incl. Q&amp;A</td>
<td>Peter George (London, United Kingdom)</td>
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<tr>
<td>10:59</td>
<td>Does artificial intelligence help clinicians manage lung nodules?, incl. Q&amp;A</td>
<td>Marjolein A. Heuvelmans (Amsterdam, Netherlands)</td>
</tr>
<tr>
<td>11:21</td>
<td>Promises and threats of artificial intelligence in lung cancer screening and image analysis, incl. Q&amp;A</td>
<td>Georg Langs (Vienna, Austria)</td>
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**12:45 - 13:45**

Joint session: Inhaler technique: actually making a difference

**Aims:** To address the common obstacles respiratory physicians and allied health personnel face in successful therapy with inhaled drugs. What are the patients' perspectives on combining different inhalers, and how can we include them in our decision? How do we choose the most appropriate inhaler device and improve the inhaler technique? How can novel digital tools help us, and how can we incorporate them into our daily practice?

**Disease(s):** Airway diseases, Paediatric respiratory diseases

**Method(s):** General respiratory patient care, Public health, Pulmonary rehabilitation

**Tag(s):** Clinical, Congress theme: Humans and Machines: getting the balance right

**Target audience:** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Paediatrician, Patient, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Journalist

**Chairs:** Frans H.C. De Jongh (Enschede, Netherlands), Apostolos Bossios (Stockholm, Sweden)

<table>
<thead>
<tr>
<th>12:45</th>
<th>Patient perspectives on inhaler choice: one-to-many</th>
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<tbody>
<tr>
<td>12:50</td>
<td>Service-level strategies for choosing the right inhaler and implementing improved inhaler technique</td>
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<tr>
<td>13:05</td>
<td>Digital strategies that can improve inhaler technique</td>
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<tr>
<td>13:20</td>
<td>Digital innovations for monitoring our patients within respiratory medicine</td>
</tr>
</tbody>
</table>
Symposium: Functional lung imaging in respiratory diseases

**Aims:** To review the state-of-the-art modalities and concepts used for lung functional imaging; to highlight the main applications of functional lung imaging in disorders such as asthma, chronic obstructive pulmonary disease, interstitial lung diseases, lung diseases of infancy and cystic fibrosis; to describe how lung functional imaging provides unique insight into disease processes, and allows early-phase disease detection and precise lung functional phenotyping, and when and how it may provide imaging endpoints or biomarkers to assess new therapeutic interventions.

**Disease(s):** Airway diseases, Interstitial lung diseases, Paediatric respiratory diseases

**Method(s):** Imaging, Physiology, Pulmonary function testing

**Tag(s):** Clinical

**Target audience:** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Paediatrician, Physiologist, Radiologist, Scientist (basic, translational), Thoracic oncologist, Respiratory therapist, Journalist

**Chairs:** Sam Bayat (Grenoble, France), Elżbieta Magdalena Grabczak (Warszawa, Poland)

**13:45**

**New insight from functional lung imaging in asthma**
Grace Parraga (London (ON), Canada)

**14:00**

**Functional lung computed tomography of ventilation and perfusion in COPD**
Dirk-Jan Slebos (Groningen, Netherlands)

**14:15**

**Imaging lung perfusion in interstitial lung diseases**
Helen Marshall (Sheffield (South Yorkshire), United Kingdom)

**14:30**

**Lung functional MRI imaging in paediatric respiratory diseases**
Jason Woods (Cincinnati, United States)

**14:45**

**Discussion and Q&A**

State of the art session: Sleep and breathing disorders

**Latest treatment recommendations for sleep-disordered breathing**

**Aims:** To present latest findings of the new international guidelines and clinical trials on non-continuous positive airway pressure therapy for obstructive sleep apnoea and treatment of obesity hypoventilation syndrome; to present how the resulting treatment recommendations can be implemented in various settings will be presented alongside the latest findings on sleep-associated breathing disorders in patients with obstructive (chronic obstructive pulmonary disorder) and restrictive (obesity, neuromuscular and chest wall diseases and interstitial lung diseases) ventilation disorders; to discuss an evidence-based treatment strategy for obstructive sleep apnoea and sleep-disordered breathing in patients with respiratory disease in the age of phenotyping.

**Disease(s):** Interstitial lung diseases, Respiratory critical care, Sleep and breathing disorders

**Method(s):** General respiratory patient care, Physiology, Respiratory intensive care

**Tag(s):** Clinical

**Target audience:** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Respiratory therapist

**Chairs:** Matteo SICILIANO (ROMA, Italy), Maria Rosaria Bonsignore (Palermo, Italy), Esther Irene Schwarz (Zürich, Switzerland)

**13:45**

**Challenges and perspectives in the implementation of the ERS guidelines for non-continuous positive airway pressure treatments of obstructive sleep apnoea**
Winfried J. Randerath (Solingen, Germany)

**14:00**

**Current recommendations for the treatment of obesity hypoventilation syndrome**
Jean-Louis Pépin (Grenoble, France)

**14:15**

**Latest findings on the treatment of obstructive sleep apnoea in patients with COPD and interstitial lung disease**
Sophia E. Schiza (Heraklion, Greece)

**14:30**

**Latest findings on obstructive sleep apnoea and sleep-disordered breathing in neuromuscular and chest wall diseases**
Dries Testelmans (Leuven, Belgium)

**14:45**

**Discussion and Q&A**
13:45 - 15:15

State of the art session: Pulmonary vascular diseases
Comprehensive insights into pulmonary embolism: prevention, advances in diagnosis and risk stratification

Aims: To introduce a novel and updated approach to risk stratification for pulmonary embolism (PE), exploring new tools and methodologies to more precisely and efficiently identify patients at higher risk; to explore and discuss the latest advances in the diagnosis of PE, covering new technologies, imaging methods and clinical approaches that enhance the accuracy and timeliness of diagnosis; to provide a detailed, evidence-based review of the diagnosis of PE and optimal prevention strategies for venous thromboembolism in pregnant women, considering both maternal and fetal safety; to analyse secondary prevention strategies for PE in cancer patients, examining therapeutic and prophylactic approaches that address the specific complexities of this patient population.

Disease(s): Pulmonary vascular diseases  
Respiratory critical care  
Thoracic oncology

Method(s): Epidemiology  
General respiratory patient care  
Imaging

Tag(s): Clinical

Target audience: Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Patient, Radiologist, Respiratory therapist, Journalist

Chairs: Olivier Sitbon (Le Kremlin-Bicêtre, France), Luis Jara-Palomares (Sevilla, Spain), Judith Löffler-Ragg (Innsbruck, Austria)

13:45  
New approach to risk stratification of pulmonary embolism  
David Jiménez Castro (Madrid, Spain)

14:00  
Advances in the diagnosis of pulmonary embolism  
Marc Righini (Genève, Switzerland)

14:15  
Evidence-based diagnosis of pulmonary embolism and optimal prevention of venous thromboembolism in pregnancy  
Saskia Middeldorp (Nijmegen, Netherlands)

14:30  
Secondary prevention of pulmonary embolism in patients with cancer  
Isabelle Mahé (Colombes, France)

14:45  
Discussion and Q&A

13:45 - 15:15

Journal session: Pulmonary highlights from the JAMA Network

Aims: To provide information about adherence to continuous positive airway pressure (CPAP) and the risk of cardiovascular events in patients with obstructive sleep apnoea; to provide an update about the effect of a palliative telecare team on the quality of life of patients who have chronic obstructive pulmonary disease (COPD), heart failure and interstitial lung disease; to provide information about the association of airway-occluding mucus plugs and mortality in patients with COPD.

Disease(s): Airway diseases  
Interstitial lung diseases  
Sleep and breathing disorders

Tag(s): Clinical

Target audience: Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Respiratory critical care physician, Physician in Pulmonary Training

Chairs: Kristin Walter (Chicago, United States)

13:45  
Adherence to continuous positive airway pressure and risk of cardiovascular events  
Fernando Eduardo Barbe Illa (Lleida, Spain)

14:00  
Effect of a nurse and social worker palliative telecare team versus usual care on quality of life of patients with COPD, heart failure and interstitial lung disease  
David Au (Seattle, United States)

14:15  
Airway-occluding mucus plugs and mortality in patients with COPD  
Padma P. Manapragada (Birmingham, United States)

14:30  
Discussion and Q&A

13:45 - 15:15

Mini symposium: What you always wanted to know about spatial transcriptomics
Lung spatial transcriptomics

Aims: To introduce spatial transcriptomics; to showcase selected examples of how this methodology has been applied to lung research; to provide a forward-looking perspective of how these spatial data can be integrated with other data to provide unique insight into lung biology; to introduce the Lung Spatial Consortium to the wider community.
Disease(s) : Airway diseases
Method(s) : Cell and molecular biology, Imaging, Physiology, General respiratory patient care
Tag(s) : Translational, Congress theme: Humans and Machines: getting the balance right
Target audience : Clinical researcher, Medical Student, Paediatrician, Pathologist, Physician in Pulmonary Training, Physiologist, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon, Respiratory therapist
Chairs : Silke Meiners (Sülfeld, Germany), Niki L. Reynaert (Maastricht, Netherlands), Ian Sayers (Nottingham (Nottinghamshire), United Kingdom)

13:45 Using spatial resolution to understand lung biology and disease
Christos Samakovlis (Stockholm, Sweden)

14:00 Dissecting pulmonary fibrosis: novel insights from spatial profiling
David A. Schwartz (Aurora, United States)

14:15 A spatially resolved atlas of the human lung
Duy Pham (Cambridge, United Kingdom)

14:30 Discussion and Q&A

13:45 - 15:15
Mini symposium: Basics and advances of respiratory physiology in acute and chronic respiratory failure
Aims : To discuss the basics and advances of respiratory physiology in the context of acute and chronic respiratory failure.
Disease(s) : Respiratory critical care
Method(s) : Respiratory intensive care
Tag(s) : Clinical
Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Paediatrician, Pathologist, Physician in Pulmonary Training, Physiologist, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon, Respiratory therapist
Chairs : Peter J. Wijkstra (Groningen, Netherlands), Claudia Crimi (Catania (CT), Italy)

13:45 Pathophysiology of CO$_2$ in acute and chronic respiratory failure
Christian Karagiannidis (Cologne, Germany)

14:00 Pathophysiology of O$_2$ in respiratory failure: from oxygen targets to toxicity
Jens Gottlieb (Hannover, Germany)

14:15 Diaphragm dysfunction in acute and chronic respiratory failure
Annemijn Jonkman (Rotterdam, Netherlands)

14:30 Discussion and Q&A

15:30 - 17:00
Symposium: Running against time: early diagnosis and treatment of pleural infection
Optimal management of pleural infection in both high- and low-middle-income countries
Aims : To explain the impact of delay in pleural infection treatment; to describe the optimal treatment of pleural infection; to explain the utility of ultrasound to manage pleural infection; to describe how to diagnose treatment failure in pleural infection and its risk factors; to describe salvage treatment if standard treatment fails.
Disease(s) : Respiratory infections
Method(s) : Endoscopy and interventional pulmonology, Epidemiology, Imaging
Tag(s) : Clinical
Target audience : Adult pulmonologist/Clinician, Respiratory critical care physician, Physician in Pulmonary Training, Thoracic surgeon
Chairs : Sam Bayat (Grenoble, France), Elżbieta Magdalena Grabczak (Warszawa, Poland)

15:30 Early diagnosis of pleural infection and impact on hospitalisation and survival

15:45 Early management of pleural infection
Eva Polverino (Barcelona, Spain)

16:00 Early detection and management of treatment failure of pleural infection
Eihab Bedawi (Sheffield, United Kingdom)
<table>
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<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>16:15</td>
<td>Pleural infection in low-to-middle-income countries</td>
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<td>Jane Shaw (Cape Town (Cape), South Africa)</td>
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<td>16:30</td>
<td>Discussion and Q&amp;A</td>
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<td>15:30 - 17:00</td>
<td>Clinical trials session: ALERT 2:</td>
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<td><strong>Aims:</strong> The ALERT sessions (Abstracts Leading to Evolution in Respiratory Medicine Trials) showcase important and very late-breaking clinical trial data from all respiratory disease areas. Presenters, discussants, session chairs and the audience will actively discuss the showcased trials.</td>
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<td><strong>Chairs:</strong> Kristin Walter (Chicago, United States)</td>
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<tr>
<td>15:30</td>
<td>Wrap-up by discussant and discussion</td>
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<td>Wrap-up by discussant and discussion</td>
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<td>16:34</td>
<td>Wrap-up by discussant and discussion</td>
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<td>16:56</td>
<td>Closing remarks</td>
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<td>15:30 - 17:00</td>
<td>Clinical cases: Lungs on fire: pulmonary vascular diseases?</td>
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<td><strong>Aims:</strong> To present real-life clinical cases as part of an interactive session. Cases vary in difficulty and may require differential diagnosis. This session is led by two discussants who will present cases submitted by respiratory health professionals to a panel of experts and will drive the discussion in a step-by-step approach, encouraging dialogue and reflection among the panel, who have no prior knowledge of these cases. As the cases are discussed, the discussants will invite the audience to participate in determining which diagnostic and therapeutic options would be best for these patients.</td>
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<td><strong>Disease(s):</strong> Pulmonary vascular diseases</td>
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<td><strong>Tag(s):</strong> Clinical</td>
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<td><strong>Chairs:</strong> Olivier Sitbon (Le Kremlin-Bicêtre, France), Judith Löffler-Ragg (Innsbruck, Austria), Silvia Ulrich (Zurich, Switzerland)</td>
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<td><strong>Discussants:</strong> Marion Delcroix (Leuven, Belgium), Gabor Kovacs (Graz, Austria)</td>
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<tr>
<td>15:30</td>
<td>Case 1 incl. panel discussion and Q&amp;A</td>
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<tr>
<td></td>
<td>Marion Delcroix (Leuven, Belgium)</td>
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<td>15:52</td>
<td>Case 2 incl. panel discussion and Q&amp;A</td>
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<td>Gabor Kovacs (Graz, Austria)</td>
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<td>16:14</td>
<td>Case 3 incl. panel discussion and Q&amp;A</td>
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<td>Marion Delcroix (Leuven, Belgium)</td>
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<td>16:36</td>
<td>Case 4 incl. panel discussion and Q&amp;A</td>
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<td>Gabor Kovacs (Graz, Austria)</td>
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<tr>
<td>15:30 - 17:00</td>
<td>Mini symposium: Telerehabilitation for chronic respiratory diseases</td>
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<td><strong>Aims:</strong> To provide an overview of the existing evidence base and how telerehabilitation models, particularly those that use more advanced digital technologies, could help to address current healthcare needs; to explain the evidence of the clinical effectiveness of telerehabilitation versus unsupervised and face-to-face pulmonary rehabilitation; to provide insight into the advantages and disadvantages of telerehabilitation, as well as the barriers and facilitators to clinical implementation; to describe practical approaches for implementing successful telerehabilitation programmes; to provide directions for future research.</td>
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ERS Congress 2024
DETAILED PROGRAMME
MONDAY 09 SEPTEMBER, 2024
Disease(s) : Airway diseases, Paediatric respiratory diseases, Respiratory critical care
Method(s) : General respiratory patient care, Pulmonary rehabilitation
Tag(s) : Clinical
Target audience : Adult pulmonologist/Clinician, General practitioner, Medical Student, Nurse, Respiratory critical care physician, Paediatrician, Patient, Respiratory therapist
Chairs : Peter J. Wijkstra (Groningen, Netherlands), Claudia Crimi (Catania (CT), Italy)

15:30 Telerehabilitation for chronic respiratory diseases: the global picture
Emily Hume (Newcastle Upon Tyne, United Kingdom)

15:45 Telerehabilitation for chronic respiratory diseases: an approach by disease
Narelle Cox (Melbourne (VIC), Australia)

16:00 Implementing a successful telerehabilitation programme: practical tips in COPD
Henrik Hansen (Dragør, Denmark)

16:15 Discussion and Q&A

15:45 - 17:00 Symposium: Early career member session

Aims : To discuss key aspects for career development in respiratory medicine. The topics were selected based on the priority topics identified by the Early Career Member Committee. The speakers were selected based on their successful involvement with the European Respiratory Society and evidence of skills tailored to the topic of the session.
Tag(s) : Translational
Target audience : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Paediatrician, Pathologist, Physician in Pulmonary Training, Physiologist, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon, Respiratory therapist
Chairs : Chair to be confirmed

15:45 The right indicators to evaluate research
Clara Locher (Rennes, France)

16:00 Improving inclusivity in respiratory research and medicine
Speaker to be confirmed

16:15 Mina Gaga Lecture
Sara Cuevas Ocaña (Nottingham, United Kingdom)

16:30 Early career member opportunities and how to get involved with ERS
Sara Cuevas Ocaña (Nottingham, United Kingdom)

16:45 Discussion and Q&A
## 08:00 - 10:20

**Skills workshop: SW13 Practical pulmonary hypertension**

**Aims:** To develop a systematic approach to interpretation of radiological investigations (with a focus on computed tomography) in patients with suspected pulmonary hypertension (PH); to provide practical experience in performing and interpreting echocardiography in patients with PH; to develop knowledge and understanding of the pathological changes associated with PH; to develop skills in integrating clinical, radiological and right heart catheter data to enable the correct diagnosis of patients with suspected PH.

**Disease(s):** Pulmonary vascular diseases

**Target audience:** Adult pulmonologist/Clinician, Pathologist, Physician in Pulmonary Training, Radiologist

**Chairs:** Robin Condliffe (Sheffield (South Yorkshire), United Kingdom)

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<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
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<tr>
<td>08:00</td>
<td>Radiological assessment of pulmonary hypertension</td>
<td>Lilian Meijboom (Amsterdam, Netherlands)</td>
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<tr>
<td>08:00</td>
<td>Pathological assessment of pulmonary hypertension</td>
<td>Peter Dorfmüller (Giessen, Germany)</td>
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<tr>
<td>08:00</td>
<td>Echocardiography in pulmonary hypertension</td>
<td>Marielle van de Veerdonk (Amsterdam, Netherlands), Abdul Hameed (Sheffield (South Yorkshire), United Kingdom)</td>
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<tr>
<td>08:00</td>
<td>Clinical assessment of pulmonary hypertension</td>
<td>Robin Condliffe (Sheffield (South Yorkshire), United Kingdom), Speaker to be confirmed</td>
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## 10:40 - 13:00

**Skills workshop: SW14 Practical Pulmonary Hypertension**

**Aims:** Develop a systematic approach to interpretation of radiological investigations (with a focus on CT) in patients with suspected PH. Gain practical experience in performing and interpreting echocardiography in patients with PH. Develop knowledge and understanding of pathological changes associated with PH. Develop skills in integrating clinical, radiological and right heart catheter data to enable the correct diagnosis in patients with suspected PH to be made.

**Disease(s):** Pulmonary vascular diseases

**Chairs:** Anton Vonk Noordegraaf (Amsterdam, Netherlands)

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<th>Time</th>
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<tr>
<td>10:40</td>
<td>Radiological assessment of pulmonary hypertension</td>
<td>Lilian Meijboom (Amsterdam, Netherlands)</td>
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<tr>
<td>10:40</td>
<td>Pathological assessment of pulmonary hypertension</td>
<td>Peter Dorfmüller (Giessen, Germany)</td>
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<tr>
<td>10:40</td>
<td>Echocardiography in pulmonary hypertension</td>
<td>Marielle van de Veerdonk (Amsterdam, Netherlands), Abdul Hameed (Sheffield (South Yorkshire), United Kingdom)</td>
</tr>
<tr>
<td>10:40</td>
<td>Clinical assessment of pulmonary hypertension</td>
<td>Anton Vonk Noordegraaf (Amsterdam, Netherlands), Robin Condliffe (Sheffield (South Yorkshire), United Kingdom)</td>
</tr>
</tbody>
</table>

## 14:30 - 16:50

**Skills workshop: SW15 Practical Pulmonary Hypertension**

**Aims:** Develop a systematic approach to interpretation of radiological investigations (with a focus on CT) in patients with suspected PH. Gain practical experience in performing and interpreting echocardiography in patients with PH. Develop knowledge and understanding of pathological changes associated with PH. Develop skills in integrating clinical, radiological and right heart catheter data to enable the correct diagnosis in patients with suspected PH to be made.

**Disease(s):** Pulmonary vascular diseases

**Chairs:** Robin Condliffe (Sheffield (South Yorkshire), United Kingdom)

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<th>Time</th>
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<tbody>
<tr>
<td>14:30</td>
<td>Radiological assessment of pulmonary hypertension</td>
<td>Andy Swift (Sheffield (South Yorkshire), United Kingdom)</td>
</tr>
<tr>
<td>14:30</td>
<td>Pathological assessment of pulmonary hypertension</td>
<td>Peter Dorfmüller (Giessen, Germany)</td>
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</table>
**ERS Congress 2024**

**DETAILED PROGRAMME**

**TUESDAY 10 SEPTEMBER, 2024**

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**14:30**

**Echocardiography in pulmonary hypertension**
Marielle van de Veerdonk (Amsterdam, Netherlands), Abdul Hameed (Sheffield (South Yorkshire), United Kingdom)

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**14:30**

**Clinical assessment of pulmonary hypertension**
Robin Condliffe (Sheffield (South Yorkshire), United Kingdom), Anton Vonk Noordegraaf (Amsterdam, Netherlands)

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**08:00 - 10:40**

*additional registration required for this session*

**Skills workshop: SW16 Thoracic ultrasound basic principles**

**Aims:** To describe the current use of thoracic ultrasound; to provide participants an opportunity to perform this technique using training models, simulators, volunteers and patients.

**Disease(s):** Thoracic oncology, Interstitial lung diseases

**Method(s):** General respiratory patient care, Imaging

**Target audience:** Radiologist, Thoracic surgeon, Adult pulmonologist/Clinician, Clinical researcher, Respiratory critical care physician, Physician in Pulmonary Training

**Chairs:** Christian B. Laursen (Odense M, Denmark)

- **08:00**
  - Introduction
  - Christian B. Laursen (Odense M, Denmark)

- **08:20**
  - Normal thoracic cavity
  - Casper Falster (Odense, Denmark), Jesper Rømhild Davidsen (Odense C, Denmark)

- **08:20**
  - Pleural effusion and/or pleural thickening
  - Gilles Mangiapan (Creteil, France), Pia Iben Pietersen (Odense C, Denmark)

- **08:20**
  - Case studies
  - Najib M. Rahman (ABINGDON, United Kingdom)

- **08:20**
  - Guided interventions
  - Søren Helbo Skaarup (Aarhus C, Denmark), Rahul Bhatnagar (Bristol, United Kingdom)

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**11:00 - 13:40**

*additional registration required for this session*

**Skills workshop: SW17 Thoracic ultrasound basic principles**

**Aims:** To describe the current use of thoracic ultrasound and to provide participants with the opportunity to perform this technique using training models, simulators, volunteers and patients.

**Disease(s):** Thoracic oncology, Interstitial lung diseases

**Chairs:** John Wrightson (Oxford, United Kingdom)

- **11:00**
  - Introduction
  - John Wrightson (Oxford, United Kingdom)

- **11:20**
  - Normal Thoracic Cavity
  - Morten Bendixen (Skejby, Denmark), Silvia Mongodi (Pavia, Italy)

- **11:20**
  - Pleural effusion and/or pleural thickening
  - Pia Iben Pietersen (Odense C, Denmark), Giovanni Volpicelli (Torino (TO), Italy)

- **11:20**
  - Case studies
  - Radhika Banka (Mumbai (Maharashtra), India)

- **11:20**
  - Guided interventions
  - Dinesh Addala (Oxford, United Kingdom), Gilles Mangiapan (Creteil, France)

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**14:30 - 17:10**

*additional registration required for this session*

**Skills workshop: SW18 Thoracic ultrasound basic principles**

**Aims:** To describe the current use of thoracic ultrasound and to provide participants with the opportunity to perform this technique using training models, simulators, volunteers and patients.
## Symposium: Behaviour change and self-management in chronic respiratory disease

**Aims:** To explain how to address the psychosocial aspects of care, mitigate social dimensions, assess patients' readiness for change and harness novel approaches to enhance self-management in individuals with chronic respiratory conditions; to help participants identify the holistic needs of individuals with chronic respiratory conditions, promote effective self-management and improve quality of life.

**Disease(s):** Airway diseases, Interstitial lung diseases, Pulmonary vascular diseases

**Method(s):** General respiratory patient care, Palliative care, Pulmonary rehabilitation

**Tag(s):** Clinical

**Target audience:** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Physician in Pulmonary Training, Respiratory physiotherapist, Thoracic oncologist, Respiratory therapist, Journalist

**Chairs:** Rachael A. Evans (Leicester (Leicestershire), United Kingdom), Heleen Demeyer (Leuven, Belgium), Daniel Langer (Leuven, Belgium)

### 08:30 - 10:00

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<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>08:30</td>
<td>Psychosocial care wears multiple hats: which one may best suit?</td>
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<tr>
<td></td>
<td>Francesco Pagnini (Milan, Italy)</td>
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<td>08:45</td>
<td>Social dimensions of self-management: the impact of stigma-related emotions and social isolation</td>
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<td>Sara Lundell (Umea, Sweden)</td>
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<td>09:00</td>
<td>From thought to action: assessing stages of change in patients with chronic respiratory disease</td>
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<td>Ingeborg Farver-Vestergaard (Vejle, Denmark)</td>
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<td>09:15</td>
<td>Let the music play: music therapy as an adjunct in clinical care</td>
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<td></td>
<td>Annemarie Lee (Melbourne (VIC), Australia)</td>
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<tr>
<td>09:30</td>
<td>Discussion and Q&amp;A</td>
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</tbody>
</table>

## Symposium: Neglected aspects in the care of patients with sarcoidosis

**Aims:** To discuss an extremely multifaceted pathology of sarcoidosis and required significant clinical diagnostic effort to fully manage the disease.

**Disease(s):** Interstitial lung diseases, Sleep and breathing disorders

**Method(s):** Public health

**Tag(s):** Clinical

**Target audience:** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Respiratory physiotherapist

**Chairs:** Rafael E. de la Hoz (New York, United States), Michael Kreuter (Mainz, Germany), Orianne Dumas (Villejuif, France)

### 08:30 - 10:00

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<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>08:30</td>
<td>The impact of patient associations on daily practice</td>
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<td>Speaker to be confirmed</td>
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<tr>
<td>08:35</td>
<td>Obstructive sleep apnoea and sarcoidosis: an underestimated comorbidity</td>
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<td></td>
<td>Elisabetta Renzoni (London, United Kingdom)</td>
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<td>08:50</td>
<td>Sarcoidosis and ability to work</td>
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<td></td>
<td>Lesley Ann Saketkoo (New Orleans, United States)</td>
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</tbody>
</table>
08:30 - 10:00
Symposium: The value of in vitro diagnostic tests to reduce antimicrobial resistance and to improve patient outcomes
Results from the European Value-Dx project

Disease(s): Respiratory infections
Tag(s): Clinical
Target audience: Adult pulmonologist/Clinician
Chairs: Herman Goossens (Edegem (Antwerp), Belgium), Chiara Premuda (Milano, Italy), Onno Akkerman (Groningen, Netherlands)

08:30 Enhancing antibiotic prescription quality in paediatric emergency rooms: results from the ADEQUATE trial
Julia Bielicki (London, United Kingdom)

08:45 Point-of-care testing to reduce antibiotic use in primary care: results from the PRUDENCE trial
Speaker to be confirmed

09:00 Economic impact of different diagnostic strategies in respiratory infection
Maarten Postina (Groningen, Netherlands)

09:15 Integrating recommendations and stakeholder perspectives in the implementation of new diagnostics for respiratory infections
Melanie Hoste (Antwerpen, Belgium)

09:30 Discussion and Q&A

08:30 - 10:00
Hot topics: Hot topics in pulmonary hypertension
Conclusions and controversies at the 7th World Symposium on Pulmonary Hypertension

Aims: To list the main points of progress that were made at the 7th World Symposium on Pulmonary Hypertension (WSPH7; Barcelona, 29 June to 1 July, 2024) compared with the 2022 European Respiratory Society/European Society of Cardiology guidelines; to identify knowledge gaps and areas of controversy that remained unresolved at the WSPH7.

Disease(s): Pulmonary vascular diseases
Method(s): Cell and molecular biology
Tag(s): Clinical, Translational
Target audience: Adult pulmonologist/Clinician, Clinical researcher, Patient, Physician in Pulmonary Training, Scientist (basic, translational)
Chairs: Gabor Kovacs (Graz, Austria), Marc Humbert (Le Kremlin-Bicêtre, France), Chair to be confirmed

08:30 Pathobiology and genetics of pulmonary hypertension
Andrea Olschewski (Graz, Austria)

08:45 Definition, classification and diagnosis of pulmonary hypertension
Sonja Bartolome (Dallas, United States)

09:00 Pulmonary hypertension treatment algorithm and pipeline
Olivier Sitbon (Le Kremlin-Bicêtre, France)

09:15 The right ventricle in pulmonary hypertension: a future treatment target?
Anton Vonk Noordegraaf (Amsterdam, Netherlands)

09:30 Patient perspectives in pulmonary hypertension
Pisana Ferrari (Udine, Italy)

09:35 Discussion and Q&A
Endoscopy session: Session 1: Diagnostic updates from the bronchoscopy suite

**Aims:** To introduce the latest advancements in diagnostic technologies in bronchoscopy by providing insights into recent developments in techniques, technologies and diagnostic strategies; to provide practical guidance for performance and implementation, covering topics such as robotic bronchoscopy for peripheral lung lesions, cryo-endobronchial ultrasound for mediastinal diseases, cryobiopsy for interstitial lung diseases and thoracoscopy for pleural diseases.

**Disease(s):** Thoracic oncology, Interstitial lung diseases

**Method(s):** Endoscopy and interventional pulmonology

**Tag(s):** Clinical

**Chairs:** Daniela Gompelmann (Vienna, Austria), Peter I. Bonta (Amsterdam, Netherlands)

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<tr>
<th>Time</th>
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<tbody>
<tr>
<td>08:30</td>
<td>Introduction</td>
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</table>
| 08:35  | Robotic bronchoscopy for peripheral lung lesions  
Judith Brock (Heidelberg, Germany) |
| 08:50  | Cryo-endobronchial ultrasound in mediastinal disease  
|
| 09:05  | Cryobiopsy in interstitial lung disease  
Speaker to be confirmed |
| 09:20  | Thoracoscopy for pleural diseases  
Mohammed Munavvar (Preston (Lancashire), United Kingdom) |
| 09:35  | Discussion and Q&A |

08:30 - 10:00

State of the art session: Respiratory critical care

Acute respiratory distress syndrome

**Aims:** To provide a broad overview of acute respiratory distress syndrome (ARDS).

**Disease(s):** Respiratory critical care

**Method(s):** Respiratory intensive care

**Tag(s):** Clinical

**Target audience:** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Pathologist, Physician in Pulmonary Training, Physiologist, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist, Journalist

**Chairs:** Ignacio Martin-Loeches (Dublin, Ireland), Ana Cysneiros (Lisbon, Portugal), Sophia E. Schiza (Heraklion, Greece)

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<tr>
<th>Time</th>
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| 08:30  | Pathophysiology and phenotyping of acute respiratory distress syndrome: an update  
Lieuwe D.J. Bös (Amsterdam, Netherlands) |
| 08:45  | High-flow oxygen and non-invasive ventilation in acute respiratory failure: still don't push too hard?  
Nicholas Hart (London, United Kingdom) |
| 09:00  | From respiratory mechanics to the invasive setting of mechanical ventilation  
Lise Piquilloud (Lausanne, Switzerland) |
| 09:15  | ECMO and ECCO2R in acute respiratory distress syndrome: standard of care?  
Christian Karagiannidis (Cologne, Germany) |
| 09:30  | Discussion and Q&A |

10:15 - 11:45

Symposium: Why is idiopathic pulmonary fibrosis not so idiopathic?

Prevention of occupational and environmental hazards and protection of vulnerable individuals with idiopathic pulmonary fibrosis

**Aims:** To present existing data about the risk factors for IPF that are preventable; to explain how prevention of occupational and environmental exposures and protection of vulnerable individuals can help idiopathic pulmonary fibrosis (IPF) management; to discuss how both treatment and prevention may extend the lifespan and improve the quality of life of people with IPF.
### Disease(s)
- Interstitial lung diseases

### Method(s)
- Epidemiology
- Public health

### Tag(s)
- Clinical
- Translational
- Congress theme: Humans and Machines: getting the balance right

### Target audience
- Adult pulmonologist/Clinician
- Clinical researcher
- General practitioner
- Medical Student
- Patient

### Chairs
- Rafael E. de la Hoz (New York, United States)
- Michael Kreuter (Mainz, Germany)
- Orianne Dumas (Villejuif, France)

### Symposium: The changing landscape of lung transplantation

**Aims:** To analyse recent evolution of the landscape of lung transplant referral (change in the phenotype of “usual” indications such as cystic fibrosis and idiopathic lung disease due to recent therapeutic improvement, increased referral of older chronic obstructive pulmonary disease patients who have previously undergone lung volume reduction surgery, increased number of comorbid candidates and increased requests for extracorporeal support bridges); to address existing immunosuppressive and future promising strategies for acute and chronic rejection, including cell-based therapies; to address translational issue by analysing new cellular and molecular assays available to help diagnose immune complications (acute and chronic rejection and chronic lung allograft dysfunction phenotyping).

**Method(s):** Surgery

**Tag(s):** Clinical, Translational

### Chairs
- Federica Meloni (Pavia (PV), Italy)
- Dragos Bumbacea (Bucuresti, Romania)
- Dorina Rama Esendagli (Ankara, Turkey)

### Schedule
- **10:15**
  - **Idiopathic pulmonary fibrosis: an overview**
    - Gisli Jenkins (London, United Kingdom)

- **10:30**
  - **Idiopathic pulmonary fibrosis: insights from expert group statements**
    - Vincent Cottin (Lyon, France)

- **10:45**
  - **Occupation counts in idiopathic pulmonary fibrosis**
    - Sara De Matteis (Milan, Italy)

- **11:00**
  - **Air pollution, poverty and much more**
    - Isabella Annesi Maesano (Montpellier, France)

- **11:15**
  - **Which prevention is useful? The latest news for the idiopathic pulmonary fibrosis community: the patient’s perspective**
    - John Solheim (Sætre, Norway)

- **11:20**
  - **Discussion and Q&A**

---

### Symposium: Rethinking (post) tuberculosis prevention and care in the face of major adversities

**Aims:** To explain the challenges of managing tuberculosis (TB) in complex situations; to describe the role of artificial intelligence in TB prevention and care; to describe the challenges and solutions for TB prevention and care in complex situations or times of adversity; to describe the challenges and solutions for post-TB lung disease prevention and care in complex situations or times of adversity.

**Method(s):** Surgery

**Tag(s):** Clinical, Translational

### Chairs
- Adult pulmonologist/Clinician
- Clinical researcher
- Pathologist
- Scientist (basic, translational)
- Thoracic surgeon

### Schedule
- **10:15**
  - **The change in phenotype of lung transplant recipients**
    - Merel Hellemons (Rotterdam, Netherlands)

- **10:30**
  - **Innovative diagnostic approach for diagnosis and phenotyping of post-transplant complications**
    - bart vanaudenaerde (Leuven, Belgium)

- **10:45**
  - **Immunosuppressants and beyond: new strategies and tailored treatment**
    - Peter Jaksch (wien, Austria)

- **11:00**
  - **Is there still room for cell-based therapies?**
    - Edward Geissler (Regensburg, Germany)

- **11:15**
  - **Discussion and Q&A**
Disease(s): Respiratory infections
Method(s): General respiratory patient care  Public health  Pulmonary rehabilitation
Tag(s): Clinical, Congress theme: Humans and Machines: getting the balance right
Target audience: Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Paediatrician, Patient, Physician in Pulmonary Training, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist, Journalist
Chairs: Herman Goossens (Edegem (Antwerp), Belgium), Chiara Premuda (Milano, Italy), Onno Akkerman (Groningen, Netherlands)

10:15 Managing tuberculosis in complex situations
   Cécile Magis-Escurra (Nijmegen, Netherlands)

10:30 Innovations in tuberculosis prevention and care: artificial intelligence and beyond
   Speaker to be confirmed

10:45 Tuberculosis prevention and care in times of adversity
   Dennis Falzon (Genève, Switzerland)

11:00 Post-tuberculosis lung disease in times of adversity and beyond
   Marcela Veronica Muñoz Torrico (México D.F, Mexico)

11:15 Discussion and Q&A

10:15 - 11:45 Endoscopy session: Session 2: Imaging innovations from the bronchoscopy suite

Aims: To focus on optical coherence tomography, confocal laser endomicroscopy, cone beam navigation bronchoscopy and contrast-enhanced ultrasound in order to provide insights into the application and benefits of these imaging innovations; to offer practical guidance for their utilisation in bronchoscopy procedures.

Disease(s): Thoracic oncology
Method(s): Endoscopy and interventional pulmonology
Tag(s): Clinical
Chairs: Felix J.F. Herth (Heidelberg, Germany), Amanda Dandanell Juul (Odense S, Denmark)

10:15 Introduction

10:20 Optical coherence tomography
   Speaker to be confirmed

10:35 Confocal laser endomicroscopy
   Jouke T. Annema (Amsterdam, Netherlands)

10:50 Cone beam navigation bronchoscopy
   Erik H.F.M. van der Heijden (Nijmegen, Netherlands)

11:05 Contrast enhanced ultrasound
   Christian B. Laursen (Odense M, Denmark)

11:20 Discussion and Q&A

10:15 - 11:45 Clinical cases: Lungs on fire: respiratory critical care/sleep and breathing disorders

Aims: to present real-life clinical cases as part of an interactive session. Cases vary in difficulty and may require differential diagnosis. This session is led by two discussants who will present cases submitted by respiratory health professionals to a panel of experts and will drive the discussion in a step-by-step approach, encouraging dialogue and reflection among the panel, who have no prior knowledge of these cases. As the cases are discussed, the discussants will invite the audience to participate in determining which diagnostic and therapeutic options would be best for these patients.

Disease(s): Respiratory critical care  Sleep and breathing disorders
Tag(s): Clinical
Chairs: Ignacio Martin-Loeches (Dublin, Ireland), Ana Cysneiros (Lisboa, Portugal), Sophia E. Schiza (Heraklion, Greece)
Discussants: Claudia Crimi (Catania (CT), Italy), Christoph Fisser (Regensburg, Germany)

10:15 Case 1 incl. panel discussion and Q&A
   Claudia Crimi (Catania (CT), Italy)

10:37 Case 2 incl. panel discussion and Q&A
   Christoph Fisser (Regensburg, Germany)
**Mini symposium: The physiology and psychology of complex breathlessness**
This mini-symposium aims to highlight the importance of a multidisciplinary approach for treating patients with complex breathlessness.

**Aims:** To address the complexity of breathlessness; to illustrate how pulmonary function testing and pulmonary rehabilitation could help clinicians treat patients with complex breathlessness; to highlight the psychological aspect/trigger that could significantly impact the treatment of patients with complex breathlessness; to present gender differences in the presented topics.

**Disease(s):** Airway diseases, Paediatric respiratory diseases, Sleep and breathing disorders

**Method(s):** General respiratory patient care, Physiology, Pulmonary function testing

**Tag(s):** Clinical

**Target audience:** Adult pulmonologist/Clinician, General practitioner, Medical Student, Nurse, Paediatrician, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Respiratory therapist

**Chairs:** Rachael A. Evans (Leicester (Leicestershire), United Kingdom), Heleen Demeyer (Leuven, Belgium), Daniel Langer (Leuven, Belgium)

**11:15** Perception of breathlessness
Magnus Ekström (Lund, Sweden)

**11:30** Implementing a successful rehabilitation programme for patients with chronic lung disease
Sally J. Singh (Leicester (Leicestershire), United Kingdom)

**11:45** Breathlessness: respiratory mechanics
Joost Gerard van den Aardweg (Amsterdam (NH), Netherlands)

**12:00** Discussion and Q&A

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**Joint session: Vaccine horizons: bridging gaps, building futures**

**Aims:** To explore key aspects of respiratory infections, focusing on their burden, prevention strategies, community engagement to enhance vaccine uptake and advancements in vaccine development; to shed light on the substantial burden of respiratory infections and effective preventive measures; to emphasise community engagement, highlighting strategies to improve vaccine uptake and enhance public health outcomes through collaboration with local communities; to delve into novel approaches and upcoming developments in vaccines against respiratory infections, offering insights into cutting-edge research and potential breakthroughs; to equip participants with comprehensive knowledge and practical approaches to combat respiratory infections and promote population health.

**Disease(s):** Respiratory infections

**Method(s):** Epidemiology, Public health

**Tag(s):** Translational

**Target audience:** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Patient, Physician in Pulmonary Training, Scientist (basic, translational), Journalist

**Chairs:** Raquel Duarte (Porto, Portugal)

**12:45** The burden of respiratory infections and how to prevent them
Leif Erik Sander (Berlin, Germany)

**13:00** Vaccines against respiratory infections: novel approaches and upcoming developments

**13:15** Community engagement: how to improve vaccine uptake and public health outcomes
Odile Launay (Paris, France)

**13:30** Discussion and Q&A
**Aims:** To provide comprehensive understanding of the most up-to-date evidence and recommendations for respiratory and holistic care of people with cystic fibrosis, with particular mention of adult care; to highlight the strong need for holistic care aimed at an adult population that is growing over time and developing new clinical needs; to increase awareness of the barriers that create the strong inequalities between countries in the provision of cystic fibrosis care; to provide insights into the ongoing European Cystic Fibrosis Society standards-of-care updates, which are expected to be published throughout 2024.

**Disease(s):** Paediatric respiratory diseases, Respiratory infections

**Method(s):** Epidemiology, Transplantation

**Tag(s):** Clinical

**Target audience:** Adult pulmonologist/Clinician, Medical Student, Nurse, Paediatrician, Patient, Physician in Pulmonary Training, Respiratory physiotherapist, Thoracic surgeon, Journalist

**Chairs:** Andrea Gramegna (Milano (MI), Italy), Eva Polverino (Barcelona, Spain), Chair to be confirmed

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<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>13:45</td>
<td>A changing scenario: will we still see advanced lung disease?</td>
<td>Pierre-Régis Burgel (Paris, France)</td>
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<tr>
<td>14:00</td>
<td>Standards for the care of people with cystic fibrosis: insights from the European Cystic Fibrosis Society update for 2024</td>
<td>Speaker to be confirmed</td>
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<tr>
<td>14:15</td>
<td>Tackling health inequalities in the global cystic fibrosis community</td>
<td>Samia Hamouda (Tunis, Tunisia)</td>
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<tr>
<td>14:30</td>
<td>Acquired cystic fibrosis transmembrane conductance regulator dysfunction in chronic respiratory diseases: a new mechanism to treat?</td>
<td>Marcus Mall (Berlin, Germany)</td>
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<tr>
<td>14:45</td>
<td>Discussion and Q&amp;A</td>
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**Symposium: Lung cancer screening: considering and acting on developing needs**

**Aims:** To cover the existing situation of lung cancer screening (LCS) in Europe and provide a gap analysis identifying existing needs to be addressed based on the first results of SOLACE (European Respiratory Society-led European Union-funded project), the new pan-European LCS guidelines (to be finalised in the first quarter of 2024), quality standards and quality assurance processes in LCS, and standard operating procedures and service specifications of LCS programmes, with the view to offer practical information for pragmatic implementation and setting-up of LCS programmes in a real clinical setting.

**Disease(s):** Thoracic oncology

**Method(s):** General respiratory patient care, Imaging, Public health

**Tag(s):** Clinical

**Target audience:** Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Patient, Physician in Pulmonary Training, Radiologist, Respiratory physiotherapist, Thoracic oncologist, Thoracic surgeon, Respiratory therapist, Journalist

**Chairs:** Marcello Migliore (Riyadh, Saudi Arabia), Marjolein A. Heuvelmans (Amsterdam, Netherlands)

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<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker(s)</th>
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<tr>
<td>13:45</td>
<td>Lung cancer screening implementation gaps in Europe</td>
<td>Joanna Chorostowska-Wynimko (Warsaw, Poland)</td>
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<tr>
<td>14:00</td>
<td>Pan-European guidelines for lung cancer screening: does one size fit all?</td>
<td>Torsten Gerriet Blum (Berlin, Germany)</td>
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<td>14:15</td>
<td>How to translate quality standards into good lung cancer screening programmes: the United Kingdom experience</td>
<td>David Baldwin (Nottingham (Nottinghamshire), United Kingdom)</td>
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<td>14:30</td>
<td>Update on incidental findings in low-dose computed tomography lung cancer screening for pulmonologists: emphysema, interstitial lung abnormalities and beyond</td>
<td>Georgia Hardavella (Athens, Greece)</td>
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<tr>
<td>14:45</td>
<td>Discussion and Q&amp;A</td>
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**Symposium: Pulmonary rehabilitation: global adaptation and implementation**

**Pulmonary rehabilitation: a global perspective**
Aims: To describe the global guidance for pulmonary rehabilitation (PR) and to identify the need and gap particularly in low-to-middle-income countries; to describe the particular challenges, evidence and potential solutions for PR in low-to-middle-income countries including learning about cultural adaptation from high-income countries; to raise awareness of the health inequalities in access to PR globally and processes that can be utilised to reduce them; to describe ways to improve PR training and capacity.

Disease(s): Airway diseases, Interstitial lung diseases

Method(s): General respiratory patient care, Physiology, Pulmonary rehabilitation

Tag(s): Clinical

Target audience: Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Patient, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Respiratory therapist

Chairs: Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom), Thomas Gille (Bobigny, France), Jellien Makonga-Braaksma (Woudenberg, Netherlands)

Detection of chronic respiratory disease and the challenges of disease management in low-to-middle-income countries
Sarah Rylance (Geneva, Switzerland)

Do we need to adapt pulmonary rehabilitation for delivery in low-to-middle-income countries?
Mark Orme (Leicester, United Kingdom)

How can we adapt pulmonary rehabilitation for diverse populations to reduce health inequalities?
Soo Chin Chan (Kuala Lumpur, Malaysia)

How can we increase capacity in pulmonary rehabilitation using examples from lower-to-middle-income countries?
Sundeep Santosh Salvi (Pune (Maharashtra), India)

Discussion and Q&A

Respiratory medicine meets other disciplines: When systemic rheumatic diseases involve the lungs
A joint EULAR-European Respiratory Society symposium

Aims: To discuss rheumatic-associated pulmonary diseases, including clinical presentations, novel management recommendations, updates and the translational landscape, covering pulmonary vascular disease in systemic rheumatic diseases, including interstitial lung disease associated with rheumatoid arthritis, connective tissue disease including systemic sclerosis, mixed connective tissue diseases, and Sjogren’s disease, as well as bronchiectasis related to rheumatoid arthritis, both from the rheumatology and pulmonology perspective.

Disease(s): Interstitial lung diseases, Pulmonary vascular diseases, Respiratory critical care

Method(s): Epidemiology, General respiratory patient care, Pulmonary rehabilitation

Tag(s): Clinical

Target audience: Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Medical Technical Assistant, Nurse, Respiratory critical care physician, Pathologist, Patient, Physician in Pulmonary Training, Physiologist, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Respiratory therapist, Journalist

Chairs: Carlos Robalo Cordeiro (Coimbra, Portugal), Catharina C. Moor (Rotterdam, Netherlands), Chair to be confirmed

Patient explaining the burden of a pulmonary condition e.g., rheumatic-associated interstitial lung disease
Anna Maria Hoffmann-Vold (Oslo, Norway)

Rheumatic-associated interstitial lung disease: rheumatologist's view
Michael Kreuter (Mainz, Germany)

Bronchiectasis in systemic rheumatic disease: pulmonologist's view
James D. Chalmers (Dundee (Angus), United Kingdom)

Bronchiectasis in systemic rheumatic disease: rheumatologist's view
Puja Mehta (New Haven, United States)

Discussion and Q&A

State of the art session: Airway diseases
Treatable traits in airway diseases: novel insights with a focus on personalised medicine
Aims: To provide an update on the concept of treatable traits; to discuss the everyday treatable traits encountered in clinical practice and the proposed treatable traits, which are based on the two dominant phenotypes, T2 high and low; to focus on eosinophils and infections as the key factors in these phenotypes, which often co-exist; to discuss extrapulmonary treatable traits; to provide valuable knowledge and insights that will help participants provide better care to their patients.

Disease(s): Airway diseases, Respiratory infections

Method(s): General respiratory patient care, Physiology

Tag(s): Translational

Target audience: Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Patient, Physician in Pulmonary Training, Physiologist, Respiratory physiotherapist, Scientist (basic, translational)

Chairs: Celeste Michala Porsbjerg (Copenhagen, Denmark), Florence Schleich (Liège, Belgium), Nicolas Roche (Paris, France)

13:45
**Eosinophilic airway inflammation**
Alexander Mathioudakis (Manchester, United Kingdom)

14:00
**Bacterial, viral and fungal infections**
Sanjay Haresh Chotirmall (Singapore, Singapore)

14:15
**Extrapulmonary treatable traits: prevalence, burden and undertreatment**
Lowie Vanfleteren (Göteborg, Sweden)

14:30
**Recognising treatable traits and including them in the model of care for a personalised approach to airway diseases**
Vanessa M. McDonald (Newcastle (NSW), Australia)

14:45
**Discussion and Q&A**

15:30 - 17:00

**Symposium: Gender discrepancies in non-small cell lung cancer: the challenging landscape of lung cancer in women**

Lung cancer in women

Aims: To discuss recent studies of lung cancer in women that indicate differences in risk factors, histology, pathophysiology, treatment outcomes and prognosis compared with men; to review lung cancer in women and to discuss what research has achieved and future objectives.

Disease(s): Thoracic oncology

Method(s): Endoscopy and interventional pulmonology, Palliative care, Surgery

Tag(s): Clinical, Translational

Target audience: Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Pathologist, Thoracic oncologist, Thoracic surgeon, Journalist

Chairs: Marcello Migliore (Riyadh, Saudi Arabia), Marjolein A. Heuvelmans (Amsterdam, Netherlands)

15:30
**The importance of a dedicated screening in women**
Giuseppe Cardillo (Roma (RM), Italy)

15:45
**Differences in the pathology of the lung in men and women with non-small cell lung cancer: do they exist?**
Semih Halazeroglu (Istanbul, Turkey)

16:00
**The role of precision medicine and surgery in non-small cell lung cancer in women**
Kalliopi Athanassiadi (Athens, Greece)

16:15
**Gender differences in surgical outcomes**
Maria Joana Pereira Catarata (Porto, Portugal)

16:30
**Discussion and Q&A**

15:30 - 17:00

**Symposium: Evolution in pulmonary function testing: from telemonitoring to artificial intelligence**

Aims: To demonstrate how novel techniques, such as artificial intelligence and telemonitoring, could help improve patient diagnostics and treatment; to highlight the advantages and disadvantages of using telemonitoring in the clinic; to demonstrate how artificial intelligence could provide better quality control in assessing pulmonary function testing in the clinic and research.
### Disease(s):
- Airway diseases
- Interstitial lung diseases
- Paediatric respiratory diseases

### Method(s):
- General respiratory patient care
- Pulmonary function testing
- Pulmonary rehabilitation

### Tag(s):
- Basic science
- Translational
- Congress theme: Humans and Machines: getting the balance right

### Target audience:
- Adult pulmonologist/Clinician
- Clinical researcher
- General practitioner
- Medical Student
- Medical Technical Assistant
- Nurse
- Paediatrician
- Patient
- Physician in Pulmonary Training
- Physiologist
- Respiratory physiotherapist
- Respiratory therapist

### Chairs:
- Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom)
- Thomas Gille (Bobigny, France)
- Jellien Makonga-Braaksma (Woudenberg, Netherlands)

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<tr>
<td>15:30</td>
<td><strong>Reliability of home spirometry in the follow-up of patients with airways disease</strong>&lt;br&gt;David Drummond (Paris, France)</td>
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<tr>
<td>15:45</td>
<td><strong>Telemonitoring beyond spirometry</strong>&lt;br&gt;Sabine Zimmermann (München, Germany)</td>
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<tr>
<td>16:00</td>
<td><strong>Artificial intelligence: a novel clinical diagnostic tool</strong>&lt;br&gt;Renata L. Riha (Edinburgh (Edinburgh), United Kingdom)</td>
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<tr>
<td>16:15</td>
<td><strong>Interpreting pulmonary function tests using artificial intelligence</strong>&lt;br&gt;Wim Janssens (Leuven, Belgium)</td>
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<tr>
<td>16:30</td>
<td>Discussion and Q&amp;A</td>
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### 15:30 - 17:00

#### Symposium: Flagellin aerosol therapy as an immunomodulatory adjunct to the antibiotic treatment of drug-resistant bacterial pneumonia

**European Union FAIR project session**

**Aims:** To present the progression of the Horizon 2020 European Union project FAIR, tracing its trajectory from preclinical investigations to translational development.

<table>
<thead>
<tr>
<th>Disease(s):</th>
<th>Respiratory critical care, Respiratory infections</th>
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<tbody>
<tr>
<td>Method(s):</td>
<td>Cell and molecular biology</td>
</tr>
<tr>
<td>Tag(s):</td>
<td>Translational</td>
</tr>
</tbody>
</table>

**Target audience:**
- Adult pulmonologist/Clinician
- Clinical researcher
- General practitioner
- Medical Student
- Medical Technical Assistant
- Nurse
- Respiratory critical care physician
- Patient
- Physician in Pulmonary Training
- Physiologist
- Respiratory physiotherapist
- Respiratory therapist
- Journalist

**Chairs:** Andrea Gramegna (Milano (MI), Italy), Eva Polverino (Barcelona, Spain), Chair to be confirmed

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<td>15:30</td>
<td><strong>Exploring the immunostimulatory potential of FLAMOD as an adjunct of antibiotics in bacterial pneumonia</strong>&lt;br&gt;Jean-Claude Sirard (LILLE, France)</td>
</tr>
<tr>
<td>15:45</td>
<td><strong>Inhalation of FLAMOD: formulation for nebulisation and preclinical evaluation</strong>&lt;br&gt;Nathalie Heuzé-Vourc'h (Tours, France)</td>
</tr>
<tr>
<td>16:00</td>
<td><strong>Development of the first-in-human trial for nebulisation of FLAMOD</strong>&lt;br&gt;Antoine GUILLON (TOURS CEDEX, France)</td>
</tr>
<tr>
<td>16:15</td>
<td><strong>Prognostic and predictive enrichment strategies for immunomodulatory therapies like FLAMOD</strong>&lt;br&gt;Erik Michels (Amsterdam, Netherlands)</td>
</tr>
<tr>
<td>16:30</td>
<td>Discussion and Q&amp;A</td>
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### 15:30 - 17:00

#### Year in review: Paediatric year in review

**Aims:** To provide an update on four topics in paediatric respiratory medicine, namely, paediatric asthma in low-income settings, imaging in paediatric respiratory diseases, primary ciliary dyskinesia and long-term consequences of preterm birth; to highlight the most recent and significant literature and developments relating to these topics.
Clinical cases: Lungs on fire: airway diseases?

**Aims:** To present real-life clinical cases as part of an interactive session. Cases vary in difficulty and may require differential diagnosis. This session is led by two discussants who will present cases submitted by respiratory health professionals to a panel of experts and will drive the discussion in a step-by-step approach, encouraging dialogue and reflection among the panel, who have no prior knowledge of these cases. As the cases are discussed, the discussants will invite the audience to participate in determining which diagnostic and therapeutic options would be best for these patients.

**Disease(s):** Airway diseases

**Tag(s):** Clinical

**Chairs:** Celeste Michala Porsbjerg (Copenhagen, Denmark), Florence Schleich (Liège, Belgium), Nicolas Roche (Paris, France)

**Discussants:** Emer Kelly (Dublin 4, Ireland), Omar S. Usmani (London, United Kingdom)

- **15:30** Case 1 incl. panel discussion and Q&A
  - Emer Kelly (Dublin 4, Ireland)

- **15:52** Case 2 incl. panel discussion and Q&A
  - Omar S. Usmani (London, United Kingdom)

- **16:14** Case 3 incl. panel discussion and Q&A
  - Emer Kelly (Dublin 4, Ireland)

- **16:36** Case 4 incl. panel discussion and Q&A
  - Omar S. Usmani (London, United Kingdom)
17:15 - 18:45
Assembly members' meeting: Assembly 7: Paediatrics

Chairs: Alexander Möller (Zürich, Switzerland), Refika Hamutcu Ersu (Ottawa, Canada)

17:15 - 18:45
Assembly members' meeting: Assembly 12: Interstitial lung diseases

Chairs: Katerina Antoniou (Heraklion, Greece), Michael Kreuter (Mainz, Germany), Marlies S. Wijsenbeek (Rotterdam, Netherlands)

17:15 - 18:45
Assembly members' meeting: Assembly 9: Allied respiratory professionals

Chairs: Daniel Langer (Leuven, Belgium), Jellien Makonga-Braaksma (Woudenberg, Netherlands), Chris Burtin (Diepenbeek, Belgium)

17:15 - 18:45
Assembly members' meeting: Assembly 11: Thoracic oncology

Chairs: Torsten Gerriet Blum (Berlin, Germany), Najib M. Rahman (ABINGDON, United Kingdom), Georgia Hardavella (Athens, Greece)

17:15 - 18:45
Assembly members' meeting: Assembly 10: Respiratory infections

Chairs: Raquel Duarte (Porto, Portugal), Onno Akkerman (Groningen, Netherlands)

17:15 - 18:45
Assembly members' meeting: Assembly 3: Basic and translational sciences

Chairs: H. Irene Heijink (Groningen, Netherlands), Niki L. Reynaert (Maastricht, Netherlands)

17:15 - 18:45
Assembly members' meeting: Assembly 1: Respiratory clinical care and physiology

Chairs: Ioannis Vogiatzis (Blyth, United Kingdom), Frits M.E. Franssen (Maastricht, Netherlands), Guido Vagheggini (Volterra (PI), Italy)

17:15 - 18:45
Assembly members' meeting: Assembly 4: Sleep disordered breathing

Chairs: Sophia E. Schiza (Heraklion, Greece), Esther Irene Schwarz (Zürich, Switzerland)

17:15 - 18:45
Assembly members' meeting: Assembly 13: Pulmonary vascular diseases

Chairs: Anton Vonk Noordegraaf (Amsterdam, Netherlands), Olivier Sitbon (Le Kremlin-Bicêtre, France), Harm Jan Bogaard (Amsterdam, Netherlands)

17:15 - 18:45
Assembly members' meeting: Assembly 6: Epidemiology and environment

Chairs: Ane Johannessen (Bergen, Norway), Rafael E. de la Hoz (New York, United States)

17:15 - 18:45
Assembly members' meeting: Assembly 14: Clinical techniques, imaging and endoscopy

Chairs: Walter De Wever (Leuven, Belgium), Elżbieta Magdalena Grabczak (Warszawa, Poland)

17:15 - 18:45
Assembly members' meeting: Assembly 8: Thoracic surgery and transplantation

Chairs: Federica Meloni (Pavia (PV), Italy), Marcello Migliore (Riyadh, Saudi Arabia)
09:00 - 12:00

Wednesday special session: Women’s networking brunch
Empowering women in respiratory medicine and research

Aims: This workshop creates a platform for respiratory professionals to connect, build relationships, and exchange knowledge and experiences. To encourage collaboration among women in the respiratory profession, fostering partnerships, teamwork, and the sharing of ideas and best practices. To empower women in the respiratory profession by offering career development resources, mentorship programs, and discussions on leadership and advancement opportunities. To highlight the importance of diversity and inclusion in the field of respiratory care, and encourage women from diverse backgrounds to participate and contribute to the event. To collaborate with relevant organisations, national societies, and industry partners.

09:00  Introduction by ERS leaders
Silke Ryan (Dublin, Ireland), Sara Cuevas Ocaña (Nottingham, United Kingdom), Hilary Pinnock (Edinburgh (Edinburgh), United Kingdom), Speaker to be confirmed

09:15  Ice-breaker

09:45  Keynote speaker

10:15  Panel discussion
Judith Garcia-Aymerich (Barcelona, Spain), Sara Bonvini (London, United Kingdom), Silke Ryan (Dublin, Ireland), Sara Cuevas Ocaña (Nottingham, United Kingdom), Speaker to be confirmed

11:15  Brunch and networking

09:00 - 10:45

Wednesday special session: Breathing through the Blaze: evidence update and strategies for respiratory physicians and patients facing climate induced wildfire air pollution

Aims: to provide an evidence update and discuss strategies for respiratory physicians and patients facing climate induced wildfire air pollution

Tag(s): Basic science, Clinical

Chairs: Zorana Andersen (Frederiksberg, Denmark), Chair to be confirmed

09:00  Current and future air pollution impacts from wildland fires in Europe
Speaker to be confirmed

09:10  Health impacts from wildland fires: is it the same as air pollution from other sources?
Speaker to be confirmed

09:25  Brainstorming session: What are the immediate research opportunities available to better assess health impacts from wildland fire pollution?
Speaker to be confirmed

09:55  Are existing risk communication tools adequate to inform the public and patients of wildland fire exposures, including personal interventions and interactions with high temperatures?
Speaker to be confirmed

10:05  Policy Discussion: Should ERS have a position on prescribed burning and its potential impacts on health?
Speaker to be confirmed

10:20  International perspective on how to incorporate health impacts from wildland fires into climate policy and health systems decision-making
Speaker to be confirmed

10:35  Discussion and Q&A

09:30 - 11:30

Wednesday special session: ERN-LUNG: Initiatives of the rare diseases network

Tag(s): Clinical

Chairs: Chair to be confirmed

09:30  Introduction
Speaker to be confirmed
09:45  Undiagnosed Patients: what can ERN-LUNG do about it  
Speaker to be confirmed

10:00  Undiagnosed Patients: what can ERN-LUNG do about it  
Matt Bolz-Johnson (Belgium), Andrea Cembrero Bonet (Spain)

10:15  Undiagnosed Patients: what can ERN-LUNG do about it  
Speaker to be confirmed

10:30  TBC

10:45  How to set up a Clinical Trial Network  
Isabelle Fajac (Paris, France), Marion Delcroix (Leuven, Belgium)

11:00  ERN-LUNG goes East: How to expand to new territories  
Gergely Meszaros (Vac, Hungary), Speaker to be confirmed

11:15  Discussion and Q&A

11:00 - 12:45
Wednesday special session: Lung health in childhood – a public health approach to preventing lung disease before it starts

Aims: The aim of the session is to discuss how we can bring lung health in children higher up the political and public health agenda. We aim to make the session interesting for congress delegates and local organisations. The session will present the evidence base, current actions and an open floor debate of what more we can do.

Chairs: Chair to be confirmed

11:00  Why is childhood so important for lung health  
Speaker to be confirmed

11:15  How can we protect the lungs of young people  
Marielle W.H. Pijnenburg (Rotterdam, Netherlands)

11:30  What is being done in Vienna/Austria

11:45  How can we make change and engage with youth – examples from ongoing projects (FRESHAIR4LIFE; HLfl4schools; ACACIA; Freedom to Breathe campaign)  
Speaker to be confirmed

12:15  Discussion and Q&A