



# ERS CONGRESS | 2024

7-11 September | Vienna, Austria

## Programme



#ERSCONGRESS

## 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)

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

## 09:00 - 17:15

*Additional registration is required for this session.***Academy: Academy of adult respiratory medicine - Part 2**

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

## 09:00 - 15:45

*Additional registration is required for this session.***Academy: Academy of pulmonary rehabilitation - advanced: Part 2**

<b>09:00</b>	<b>Introduction to workshops</b> Ioannis Vogiatzis (Blyth, United Kingdom), Daniel Langer (Leuven, Belgium), Joana Cruz (Leiria, Portugal)
<b>09:15</b>	<b>Field and cycling tests</b> Thomas Gille (Bobigny, France), Sally J. Singh (Leicester (Leicestershire), United Kingdom), Ioannis Vogiatzis (Blyth, United Kingdom), Rachael A. Evans (Leicester (Leicestershire), United Kingdom)

<b>09:15</b>	<b>Muscle strength tests</b> Frits M.E. Franssen (Maastricht, Netherlands), Rainer Gloeckl (Schoenau am Koenigssee, Germany), Daniel Langer (Leuven, Belgium), William Man (Harefield, United Kingdom)
<b>09:15</b>	<b>Physical activity assessment</b> Heleen Demeyer (Leuven, Belgium), Fabio De Oliveira Pitta (Londrina, Brazil), Elena Gimeno-Santos (Barcelona, Spain), Joana Cruz (Leiria, Portugal)
<b>12:00</b>	<b>Lunch break</b>
<b>13:00</b>	<b>Endurance training</b> Frits M.E. Franssen (Maastricht, Netherlands), Heleen Demeyer (Leuven, Belgium), Ioannis Vogiatzis (Blyth, United Kingdom), Elena Gimeno-Santos (Barcelona, Spain)
<b>13:00</b>	<b>Resistance and inspiratory muscle training</b> Martijn A. Spruit (Horn, Netherlands), Andre Nyberg (Umeå, Sweden), Daniel Langer (Leuven, Belgium), William Man (Harefield, United Kingdom)
<b>13:00</b>	<b>Physical activity coaching</b> Thierry Troosters (Leuven, Belgium), Joana Cruz (Leiria, Portugal), Rainer Gloeckl (Schoenau am Koenigssee, Germany), Fabio De Oliveira Pitta (Londrina, Brazil)

**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

<b>09:30</b>	<b>Welcome and introduction</b>
<b>09:40</b>	<b>Focused cardiac ultrasound</b> Casper Falster (Odense, Denmark)
<b>10:00</b>	<b>Limited compression ultrasonography of the deep veins for deep vein thrombosis assessment</b> Speaker to be confirmed
<b>10:20</b>	<b>Ultrasound assessment of the diaphragm</b> Søren Helbo Skaarup (Aarhus C, Denmark)
<b>10:40</b>	<b>Q&amp;A</b>
<b>10:50</b>	<b>Coffee break</b>
<b>11:20</b>	<b>Interactive case discussion session I</b>
<b>11:50</b>	<b>Use of thoracic ultrasound in an intensive care unit</b> Silvia Mongodi (Pavia, Italy)
<b>12:10</b>	<b>Use of thoracic ultrasound in an interstitial lung disease clinic</b> Jesper Rømhild Davidsen (Odense C, Denmark)
<b>12:30</b>	<b>Use of evidence-based training principles in thoracic ultrasound in a department</b> Pia Iben Pietersen (Odense C, Denmark)
<b>12:50</b>	<b>Q&amp;A</b>
<b>13:00</b>	<b>Interactive case discussion session II</b>
<b>13:30</b>	<b>Lunch break</b>
<b>14:30</b>	<b>Advanced thoracic ultrasound for assessment of patients with pleural disease</b> Eihab Bedawi (Sheffield, United Kingdom)

14:50	<b>Advanced thoracic ultrasound for assessment of patients with chest opacity</b> Christian B. Laursen (Odense M, Denmark)
15:10	<b>Q&amp;A</b>
15:20	<b>Interactive case discussion session III</b>
15:40	<b>Ultrasound-guided biopsy of the pleura</b> Dinesh Addala (Oxford, United Kingdom)
16:00	<b>Ultrasound-guided biopsy of lymph nodes</b> Anand Sundaralingam (Oxford, United Kingdom)
16:20	<b>Break</b>
16:40	<b>Ultrasound-guided biopsy of the lung</b> Speaker to be confirmed
17:00	<b>Thoracic ultrasound for advanced procedure guidance</b> Wui Mei Chew (Singapore, Singapore)
17:20	<b>Q&amp;A</b>

## 09:30 - 17:30

*Additional registration is required for this session.*

### 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, Physician 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	<b>Central sleep apnoea phenotypes and different central sleep apnoea syndromes</b> Renaud Tamisier (Grenoble, France)
09:50	<b>Discussion and Q&amp;A</b>
10:00	<b>Obesity hypoventilation syndrome with and without obstructive sleep apnoea</b> Christopher Turnbull (Oxford (Oxfordshire), United Kingdom)
10:20	<b>Discussion and Q&amp;A</b>
10:30	<b>Break</b>
11:00	<b>Sleep-disordered breathing in pulmonary vascular disease</b> Silvia Ulrich (Zurich, Switzerland)
11:20	<b>Discussion and Q&amp;A</b>
11:30	<b>Obstructive sleep apnoea and other types of sleep-disordered breathing in neuromuscular and chest wall disorders</b> Esther Irene Schwarz (Zürich, Switzerland)
11:50	<b>Discussion and Q&amp;A</b>

12:00	<b>Phenotypes of sleep-disordered breathing in different comorbidities: group assignment</b> Renaud Tamisier (Grenoble, France), Christopher Turnbull (Oxford (Oxfordshire), United Kingdom), Silvia Ulrich (Zurich, Switzerland), Esther Irene Schwarz (Zürich, Switzerland)
13:00	<b>Lunch break</b>
14:00	<b>Diagnostic procedures in obstructive sleep apnoea: from conventional methods to new technologies</b> Raphael Heinzer (Lausanne, Switzerland)
14:20	<b>Discussion and Q&amp;A</b>
14:30	<b>Different positive airway pressure modalities: which one for which patient?</b> Dries Testelmans (Leuven, Belgium)
14:50	<b>Discussion and Q&amp;A</b>
15:00	<b>Supportive care and rehabilitation strategies in sleep-disordered breathing</b> Monique Mendelson (Grenoble, France)
15:20	<b>Discussion and Q&amp;A</b>
15:30	<b>Follow-up strategies for sleep-disordered breathing</b> Elisa Perger (Milano, Italy)
15:50	<b>Discussion and Q&amp;A</b>
16:00	<b>Break</b>
16:30	<b>An update on diagnosis and management of sleep-disordered breathing: group assignment</b> Raphael Heinzer (Lausanne, Switzerland), Dries Testelmans (Leuven, Belgium), Elisa Perger (Milano, Italy), Monique Mendelson (Grenoble, France)

## 09:30 - 13:00

*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)

09:30	<b>Asthma pathophysiology from a clinical perspective: recognise the underlying endotype</b> Celeste Michala Porsbjerg (Copenhagen, Denmark)
09:50	<b>Discussion and Q&amp;A</b>
10:00	<b>Diagnosing, assessing and monitoring different asthma phenotypes: current pitfalls and challenges</b> Fabio L. M. Ricciardolo (Torino, Italy)
10:20	<b>Discussion and Q&amp;A</b>
10:30	<b>Endotype-driven therapy for the asthma patient: moving to precision medicine in asthma</b> Sally Wenzel (Pittsburgh, United States)
10:50	<b>Discussion and Q&amp;A</b>
11:00	<b>The role of comorbidities in uncontrolled and difficult-to-treat asthma: the role of the underlying phenotype</b> Ramesh J. Kurukulaaratchy (Newport (Hants), United Kingdom)
11:20	<b>Discussion and Q&amp;A</b>
12:00	<b>Group assignment</b>
11:30	<b>Break</b>

## 09:30 - 13:00

*Additional registration is required for this session.***Postgraduate course: PG4 Early diagnosis and management of interstitial lung diseases****Chairs :** Maria Molina Molina (Barcelona, Spain), Nazia Chaudhuri (Limavady, United Kingdom)

09:30	<b>Early suspicion of interstitial lung disease</b> Peter George (London, United Kingdom)
09:45	<b>Early diagnosis of interstitial lung disease</b> Claudia Ravaglia (Forlì, Italy)
10:00	<b>Round table discussion and Q&amp;A</b>
10:30	<b>Early recognition of comorbidities and impact on survival of patients with interstitial lung disease</b> GEORGE MARGARITOPOULOS (THESSALONIKI, Greece)
10:45	<b>Connective tissue disorder-associated interstitial lung disease</b> Anna Maria Hoffmann-Vold (Oslo, Norway)
11:00	<b>Round table discussion and Q&amp;A</b>
11:30	<b>Break</b>
12:00	<b>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</b> Pilar Rivera Ortega (Manchester, United Kingdom)
12:30	<b>Round table discussion and experience sharing: comorbidities in interstitial lung disease</b> ARGYRIS TZOUVELEKIS (Patras, Greece)

## 14:00 - 17:30

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

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

**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)**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****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	<b>Discussion and Q&amp;A</b>
10:30	<b>Interpretation of diffusion capacity</b> Jörg Leuppi (Liestal, Switzerland)
10:50	<b>Discussion and Q&amp;A</b>
11:00	<b>Interpretation of lung function results in children</b> Nicole Beydon (Paris, France)
11:20	<b>Discussion and Q&amp;A</b>
11:30	<b>Break</b>
12:00	<b>Group assignment</b>

## 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	<b>Pathophysiological basis of COPD in different exposomes</b> Maarten van den Berge (Groningen, Netherlands)
14:20	<b>Discussion and Q&amp;A</b>
14:30	<b>Diagnosis, assessment, and monitoring of COPD, from Pre-COPD and early-COPD to preserved ratio impaired spirometry and COPD</b> Francesca Polverino (Houston, United States)
14:50	<b>Discussion and Q&amp;A</b>
15:00	<b>Current and future pharmacological treatment of different COPD phenotypes: from non-pharmacological interventions to the biologics era</b> Dave Singh (Manchester, United Kingdom)
15:20	<b>Discussion and Q&amp;A</b>
15:30	<b>COPD, exacerbations and cardiovascular disease: looking at the big picture to help our patients</b> Andriana Papaioannou (Vrilissia (Athens), Greece)
15:50	<b>Discussion and Q&amp;A</b>
16:00	<b>Break</b>
16:30	<b>Group assignment</b>

## 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

**Tag(s) :** Clinical

**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 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 Skjærten (Oslo, Norway)

**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: 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

**Tag(s) :** Clinical

**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**

16:50 PG10 Round table discussion: ECRAID-Base clinical trials

14:00 - 17:30

*Additional registration is required for this session.***Postgraduate course: 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)14:00 **Novel open-source chip models to study lung epithelial repair responses and inter-organ communication**  
Simon D. Pouwels (Zuidhorn, Netherlands)14:20 **Discussion and Q&A**14:30 **Bio-engineered three-dimensional microtissues to model human tissues in vitro**  
Speaker to be confirmed14:50 **Discussion and Q&A**15:00 **Next-generation lung organoids: modelling vascularised alveolar regions of the distal lung**  
Anna Krasnodembskaya (Belfast (Belfast), United Kingdom)15:20 **Discussion and Q&A**15:30 **Implementing mechanobiology into advanced three-dimensional models to study airway diseases**  
Janna Nawroth (Boston, United States)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: PG12 Tissue and targets in lung cancer****Aims :** 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)14:00 **Optimal route to tissue acquisition according to clinical stage and treatment options in lung cancer**  
Speaker to be confirmed14:20 **Discussion and Q&A**14:30 **Molecular testing in stage I-IV; indications and interpretation of results**  
Joanna Chorostowska-Wynimko (Warsaw, Poland)14:50 **Discussion and Q&A**15:00 **Treatment of common mutations in NSCLC, KRAS and EGFR**  
Wouter H. van Geffen (Leeuwarden, Netherlands)

15:20 Discussion and Q&A

15:30 **Perioperative treatments in early-stage NSCLC; neoadjuvant versus adjuvant versus both approaches. Which one to choose?**  
Torsten Gerriet Blum (Berlin, Germany)

15:50 Discussion and Q&A

16:00 Break

16:30 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)

**10:00**      **Artificial intelligence to help decision-making in primary care**  
Gabriel García (City Bell, Argentina)

**10:15**      **Digital platforms for lifestyle change: how education for health is changing**  
Sián Williams (London, United Kingdom)

**10:30**      **Discussion and Q&A**

## 11:15 - 12:45

### 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

**Tag(s)** : Clinical

**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)

**11:15**      **The importance of frailty assessment and management in COPD patients**  
Ioanna Tsiligianni (Heraklion (Crete), Greece)

**11:30**      **How to best implement motivational interviewing in our day-to-day primary care respiratory consultations**  
Kim Lavoie (Montréal (QC), Canada)

**11:45**      **How to deal with polypharmacy in respiratory primary healthcare**  
Frances Mair (Glasgow, United Kingdom)

**12:00**      **The main role of vaccination in primary care for respiratory infection prevention**

**12:15**      **Discussion and Q&A**

## 13:45 - 14:50

### 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

**Tag(s)** : Clinical

**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)

**13:45**      **Can we predict who has asthma among preschool children with wheezing?**  
Sejal Saglani (London, United Kingdom)

**14:00**      **Will the new respiratory syncytial virus vaccination change the epidemiology and our practice?**  
Fabio Midulla (Roma (RM), Italy)

**14:15**      **Imaging of congenital airway and lung malformations**  
Pierluigi Ciet (Rotterdam, Netherlands)

**14:30**      **Discussion and Q&A**

## 15:05 - 16:10

### 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.

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

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

**Tag(s) :** Clinical

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

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

**15:05**      **Sleep-disordered breathing in children**  
Hui Leng Tan (London, United Kingdom)

**15:20**      **What we can learn from big data for paediatric respiratory medicine**  
Jennifer Quint (Wimbledon, United Kingdom)

**15:35**      **Treatment of chronic cough in young children: only frustration?**  
Angela Zacharasiewicz (Wien, Austria)

**15:50**      **Discussion and Q&A**

## 16:25 - 17:30

### 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, Medical Technical Assistant, Nurse, 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**      **Health disparities and structural racism in communities**  
Wanda Phipatanakul (Hopkintkn, 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)

**08:00 Introduction**

**08:10 Different levels of sleep studies**  
Ludger Grote (Göteborg, Sweden)

**08:10 Interpretation of polysomnography/polygraphy in adults**  
Renata L. Riha (Edinburgh (Edinburgh), United Kingdom)

**08:10 Interpretation of polysomnography/polygraphy in children**  
Athanasios G. Kaditis (Athens, Greece)

**08:10 Evaluation of daytime sleepiness**  
Carolina Lombardi (Milano (MI), Italy)

## 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)

**10:40 Introduction**

**10:50 Different levels of sleep studies**  
Ludger Grote (Göteborg, Sweden)

**10:50 Interpretation of polysomnography/polygraphy in adults**  
Renata L. Riha (Edinburgh (Edinburgh), United Kingdom)

**10:50 Interpretation of polysomnography/polygraphy in children**  
Athanasios G. Kaditis (Athens, Greece)

**10:50 Evaluation of daytime sleepiness**  
Carolina Lombardi (Milano (MI), Italy)

## 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.

**Disease(s)** : Airway diseases Interstitial lung diseases Respiratory critical care**Method(s)** : Cell and molecular biology Respiratory intensive care Transplantation**Tag(s)** : Translational**Target audience** : Adult pulmonologist/Clinician, Clinical researcher, Medical Student, Respiratory critical care physician, Scientist (basic, translational), Thoracic surgeon, Respiratory therapist**Chairs** : Rachel Chambers (London, United Kingdom), Sara Cuevas Ocaña (Nottingham, United Kingdom)**08:30** **Promise and obstacles of mesenchymal stromal cell-based therapy for lung diseases**  
Daniel Weiss (Burlington, United States)**08:45** **Interaction of mesenchymal stromal cells with the lung microenvironment: an overlooked aspect?**  
Sara Rolandsson Enes (Lund, Sweden)**09:00** **Mesenchymal stromal cell therapy for chronic lung allograft dysfunction: how far can we reach experimentally?**  
David Gomez De Antonio (Madrid, Spain)**09:15** **Mesenchymal stromal cell therapy for acute respiratory distress syndrome: results from the START trial**  
Kathleen Liu (San Francisco, United States)**09:30** **Discussion and Q&A****08:30 - 10:00****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.**Disease(s)** : Airway diseases Paediatric respiratory diseases Pulmonary vascular diseases**Method(s)** : Cell and molecular biology General respiratory patient care Pulmonary function testing**Tag(s)** : Clinical, Translational**Target audience** : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Nurse, Paediatrician, Physician in Pulmonary Training, Scientist (basic, translational), Journalist**Chairs** : Sophie Cohen (Amsterdam, Netherlands), Alexander Möller (Zürich, Switzerland), Nicole Beydon (Paris, France)**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****08:30 - 10:00****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.**Disease(s)** : Airway diseases**Method(s)** : Epidemiology General respiratory patient care Public health**Tag(s)** : Clinical**Target audience** : Adult pulmonologist/Clinician, Clinical researcher, General practitioner, Medical Student, Nurse, Patient, Scientist (basic, translational), Journalist**Chairs** : Ioannis Vogiatzis (Blyth, United Kingdom), Chair to be confirmed

08:30	<b>Impact of cardiovascular diseases on clinical control in patients with COPD</b> Fco.De Borja Garcia-Cosio Piqueras (Palma de Mallorca, Spain)
08:45	<b>Cardiovascular events post- COPD exacerbation</b> Sami O. Simons (Maastricht, Netherlands)
09:00	<b>Early detection of cardiovascular disease in patients with COPD</b> Speaker to be confirmed
09:15	<b>Mitigating the risk of cardiovascular disease in patients with COPD</b> Jennifer Quint (Wimbledon, United Kingdom)
09:30	<b>Discussion and Q&amp;A</b>

## 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	<b>The vascular origin of lung disease</b> Jurjan Aman (Amsterdam, Netherlands)
08:45	<b>Are we ready for precision medicine in pulmonary hypertension?</b> Athénaïs Boucly (London, United Kingdom)
09:00	<b>The future of trial design in pulmonary arterial hypertension</b> Marius M. Hoeper (Hannover, Germany)
09:15	<b>Future interventional strategies to unload the right ventricle in pulmonary hypertension</b> Irene Lang (Wien, Austria)
09:30	<b>Discussion and Q&amp;A</b>

## 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	<b>The spectrum of pulmonary aspergillosis</b> Eva Van Braeckel (Ghent, Belgium)
08:45	<b>Microbiological diagnosis of pulmonary aspergillosis</b> Paul Verveij (Nijmegen, Netherlands)
09:00	<b>Antifungal therapeutic options and challenges</b> Martin Hoenigl (Graz, Austria)



**09:15**      **Chronic pulmonary aspergillosis in people with post-tuberculosis lung disease or cystic fibrosis**  
Christoph Lange (Borstel, Germany)

**09:30**      **Discussion and Q&A**

**08:30 - 10:00**

### 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**  
Speaker to be confirmed

**09:00**      **Ultrasound of the lung in the emergency setting**  
Speaker to be confirmed

**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**  
Speaker to be confirmed

**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

**Tag(s) :** Clinical

**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 Uhlving (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**

## 10:15 - 11:45

### 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**

## 10:15 - 11:45

### 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.

**Chairs :** Chair to be confirmed

10:15

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10:22

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10:29

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10:36 **Wrap-up by discussant and discussion**

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10:58

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11:05

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11:12

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11:19 **Wrap-up by discussant and discussion**

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11:41 **Closing remarks**

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## 10:15 - 11:45

### 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)

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10:37 **Use of as-needed inhaled corticosteroids/formoterol in mild asthma, incl. Q&A**  
Anneke ten Brinke (Leeuwarden, Netherlands)

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10:59 **Positive findings in lung cancer screening, incl. Q&A**  
Wouter H. van Geffen (Leeuwarden, Netherlands)

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11:21 **Treatment of systemic sclerosis-associated interstitial lung disease, incl. Q&A**  
Antoine Froidure (Bruxelles, Belgium)

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## 10:15 - 11:45

### 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)

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10:37 **Case 2 incl. panel discussion and Q&A**  
Onno Akkerman (Groningen, Netherlands)

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10:59 **Case 3 incl. panel discussion and Q&A**  
Eva Polverino (Barcelona, Spain)

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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)

**13:45**      **The modern endoscopic approach for lung cancer**  
Niral Patel (La Jolla, United States)

**14:00**      **Neoadjuvant treatment in stage IB/IIA. Who, when, why?**  
Jacques Cadranel (Paris Cedex 20, France)

**14:15**      **Neoadjuvant chemo-/immunotherapy and subsequent surgical approach and outcomes: the surgeon's view**  
Alessandro Brunelli (Leeds (West Yorkshire), United Kingdom)

**14:30**      **State-of-the-art molecular diagnostics in lung cancer for the pulmonologist**  
Joanna Chorostowska-Wynimko (Warsaw, Poland)

**14:45**      **Discussion and Q&A**

## 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. Wijzenbeek (Rotterdam, Netherlands), Katerina Antoniou (Heraklion, Greece )

**13:45**      **Failed idiopathic pulmonary fibrosis trials: lessons learned**  
Luca Richeldi (Roma, Italy)

**14:00**      **Beyond forced vital capacity: prime time for patient-reported outcomes**  
Yet Hong Khor (Melbourne (VIC), Australia)

**14:15**      **Choosing targetable pathogenetic pathways?**  
Manuela Funke-Chambour (Bern, Switzerland)

**14:30**      **Clinical trials on acute exacerbations**  
Bruno Crestani (Paris, France)

**14:45**      **Discussion and Q&A**

## 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.

**Disease(s) :** Interstitial lung diseases Respiratory critical care Respiratory infections**Method(s) :** General respiratory patient care Palliative care 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, Patient, Physician in Pulmonary Training, Physiologist, Radiologist, Respiratory physiotherapist, Scientist (basic, translational), Thoracic oncologist, Thoracic surgeon, Respiratory therapist**Chairs :** Marieke L. Duiverman (Groningen, Netherlands), Christian Karagiannidis (Cologne, Germany)**13:45** **End-of-life care in motor neuron disease**  
Speaker to be confirmed**14:00** **End-of-life care in interstitial lung disease: worth treating exacerbation?**  
Claudia Valenzuela (Madrid, Spain)**14:15** **Long-term invasive mechanical ventilation in COPD and beyond: opportunities and limits**  
Anita Simonds (London, United Kingdom)**14:30** **Discussion and Q&A****15:30 - 17:00****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, Physician in Pulmonary Training, Scientist (basic, translational)**Chairs :** Ane Johannessen (Bergen, Norway), Apostolos Bossios (Stockholm, Sweden), Howraman Meteran (Hvidovre, Denmark)**15:30** **Lung function and asthma trajectories and extrapulmonary comorbidities**  
Shyamali Dharmage (Carlton Victoria, Australia)**15:45** **Respiratory comorbidities in Sub-Saharan Africa: a cardiologist's perspective**  
Ana Mocumbi (Maputo, Mozambique)**16:00** **Shared developmental origins of low adult lung function and cardiovascular comorbidity**  
Seif Shaheen (London, United Kingdom)**16:15** **Clinical and healthcare implications of COPD and multimorbidity**  
Leonardo Michele Fabbri (Modena, Italy)**16:30** **Discussion and Q&A****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 surgeon**Chairs :** Marieke L. Duiverman (Groningen, Netherlands), Christian Karagiannidis (Cologne, Germany)

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

## 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)

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

## 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)

15:30	<b>The best of the ERJ- sleep and ventilation</b> Patrick Lévy (Grenoble, France)
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**15:45**      **The best of the ERJ- cystic fibrosis and bronchiectasis**  
Marcus Mall (Berlin, Germany)

**16:00**      **The best of the ERJ- translational sciences**  
Melanie Konigshoff (Pittsburgh, United States)

**16:15**      **The best of the ERJ- COPD and asthma**  
Jodie Simpson (New Lambton (NSW), Australia)

**16:30**      **Discussion and Q&A**

## 15:30 - 17:00

### 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)

**15:30**      **Case 1 incl. panel discussion and Q&A**  
Georgia Hardavella (Athens, Greece)

**15:52**      **Case 2 incl. panel discussion and Q&A**  
Torsten Gerriet Blum (Berlin, Germany)

**16:14**      **Case 3 incl. panel discussion and Q&A**  
Georgia Hardavella (Athens, Greece)

**16:36**      **Case 4 incl. panel discussion and Q&A**  
Torsten Gerriet Blum (Berlin, Germany)

## 15:30 - 17:00

### 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 Froidure (Bruxelles, Belgium), Marlies S. Wijsenbeek (Rotterdam, Netherlands), Katerina Antoniou (Heraklion, Greece)

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

**15:30**      **Case 1 incl. panel discussion and Q&A**  
Pilar Rivera Ortega (Manchester, United Kingdom)

**15:52**      **Case 2 incl. panel discussion and Q&A**  
Vincent Cottin (Lyon, France)

**16:14**      **Case 3 incl. panel discussion and Q&A**  
Pilar Rivera Ortega (Manchester, United Kingdom)

**16:36**      **Case 4 incl. panel discussion and Q&A**  
Vincent Cottin (Lyon, France)



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

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

## 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)**14:30** **Tools to assess breathlessness**  
J. Alberto Neder (Kingston (ON), Canada)

**14:30 Breathing pattern and dynamic hyperinflation interpretation**  
Paolo Palange (Rome, Italy)

**14:30 Ventilatory efficiency and gas exchange**  
Afroditi Boutou (Thessaloniki, Greece)

**14:30 Dynamic hyperinflation and other respiratory measurements – live DEMO**  
Paolo Onorati (Alghero (SS), Italy), Michele Schaeffer (Leuven, Belgium)

## 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 Performing 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**

**Chairs :** Sam Bayat (Grenoble, France)

**10:40 Performing Spirometry**  
Jana Kivastik (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)

## 14:30 - 16:50

*additional registration required for this session*

### Skills workshop: SW12 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**Chairs :** Rachel Ong-Salvador (Amsterdam, Netherlands)**14:30** **Performing Spirometry**  
Monika Franczuk (Warszawa, Poland)**14:30** **Standardised static lung volume measurement using whole body plethysmography**  
Kevin De Soomer (Edegem, Belgium)**14:30** **Measurement of airway resistance and resistance volume loops using whole body plethysmography**  
Frans H.C. De Jongh (Enschede, Netherlands)**14:30** **Reporting and interpretation of case studies**  
Karl Sylvester (Cambridge (Cambridgeshire), United Kingdom)**08:30 - 10:00****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** **Anti-inflammatory reliever in clinical practice in asthma: how to implement in the background of GINA?**  
Anneke ten Brinke (Leeuwarden, Netherlands)**08:45** **Biological therapy in asthma: how to deal with the many options available**  
Florence Schleich (Liège, Belgium)**09:00** **Dual phosphodiesterase 3 and 4 inhibitors: the new kind of COPD blocker?**  
Paola Rogliani (Roma (RM), Italy)**09:15** **Biologics in COPD a recipe for failure or success?**  
Christopher E. Brightling (Leicester (Leicestershire), United Kingdom)**09:30** **Discussion and Q&A****08:30 - 10:00****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** **Molecular and histo-morphological insights informed by deep phenotyping and artificial intelligence in mesothelioma**  
Speaker to be confirmed

08:45	<b>Anatomical staging and immunologic phenotypes in mesothelioma: implications for trial design and treatment planning</b> Kevin Blyth (Glasgow (Glasgow), United Kingdom)
09:00	<b>The role of therapeutic combinations involving surgery post-MARS2</b> Didier Schneider (Zürich, Switzerland)
09:15	<b>The changing systemic therapeutic landscape in mesothelioma: stratified therapy and long-term outcomes from immunotherapy</b> Dean Anthony Fennell (Leicester (Leicestershire), United Kingdom)
09:30	<b>Discussion and Q&amp;A</b>

## 08:30 - 10:00

## 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)

08:30	<b>Unveiling the role of immune-structural lung cell interactions in respiratory disease</b>
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08:45	<b>Metabolic regulation of immune cells in COPD</b> Theodore Kapellos (Munich, Germany)
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09:00	<b>The fibroblast-lymphocyte-stem cell axis and regulation of inflammation and regeneration</b> Speaker to be confirmed
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09:15	<b>The impact of metabolic reprogramming on lung tissue repair</b> Speaker to be confirmed
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09:30	<b>Discussion and Q&amp;A</b>
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## 08:30 - 10:00

## 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, Physician 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)

08:30	<b>Diagnostic approach to chronic cough in children</b> Anne Chang (Brisbane (QLD), Australia)
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08:45	<b>Preschool lung function: which test is helpful in clinics?</b> Shannon Simpson (Perth (WA), Australia)
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09:00	<b>Management of complicated pneumonia in children</b> Eitan Kerem (Jerusalem, Israel)
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09:15	<b>Lung involvement in systemic diseases: diagnosis and management</b> Sharon Dell (Vancouver, British Columbia, Canada)
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09:30	<b>Discussion and Q&amp;A</b>
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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)

**10:15** **Multiple subsolid and solid lung nodules: radiological determinants for identifying targets for invasive procedures or surveillance**  
Walter De Wever (Leuven, Belgium)

**10:30** **Multiple lung nodules management: artificial intelligence determinants for identifying targets for invasive procedures or surveillance**  
Speaker to be confirmed

**10:45** **Multiple lung nodule management algorithms in real life: grey zones as an opportunity to advance early lung cancer detection or overdiagnosis?**  
Martina Koziar Vasakova (Praha 10, Czech Republic)

**11:00** **Multiple lung nodules: the surgeon's cut**  
Speaker to be confirmed

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

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)

**10:15** **Defining responders and non-responders to biological therapy in patients with severe asthma: lost in translation?**  
Arnaud Bourdin (Montpellier Cedex 5, France)

**10:30** **Remission in asthma: is it achievable?**  
Celeste Michala Porsbjerg (Copenhagen, Denmark)

**10:45** **Can we make sense of responders and non-responders in COPD?**  
Marc Miravittles (Barcelona (CT), Spain)

**11:00** **Remission in COPD is it feasible?**  
Dave Singh (Manchester, United Kingdom)

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

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**

## 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**

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

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

## 10:15 - 11:45

### 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)

**10:15**      **Case 1 incl. panel discussion and Q&A**  
Marielle W.H. Pijnenburg (Rotterdam, Netherlands)

**10:37**      **Case 2 incl. panel discussion and Q&A**  
David Drummond (Paris, France)

**10:59**      **Case 3 incl. panel discussion and Q&A**  
Marielle W.H. Pijnenburg (Rotterdam, Netherlands)

**11:21**      **Case 4 incl. panel discussion and Q&A**  
David Drummond (Paris, France)

## 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)

**10:15**      **Artificial intelligence and the ILD clinician: risk, benefits and opportunities in chest imaging, incl. Q&A**  
Kevin Brown (Denver, United States)

**10:37**      **Artificial intelligence-assisted outcome prediction in fibrotic lung disease, incl. Q&A**  
Peter George (London, United Kingdom)

**10:59**      **Does artificial intelligence help clinicians manage lung nodules?, incl. Q&A**  
Marjolein A. Heuvelmans (Amsterdam, Netherlands)

**11:21**      **Promises and threats of artificial intelligence in lung cancer screening and image analysis, incl. Q&A**  
Georg Langs (Vienna, Austria)

## 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)

**12:45**      **Patient perspectives on inhaler choice: one-to-many**

**12:50**      **Service-level strategies for choosing the right inhaler and implementing improved inhaler technique**  
Omar S. Usmani (London, United Kingdom)

**13:05**      **Digital strategies that can improve inhaler technique**  
Amy Hai Yan Chan (Auckland, New Zealand)

**13:20**      **Digital innovations for monitoring our patients within respiratory medicine**  
Job F.M. van Boven (Groningen, Netherlands)

13:35 Discussion and Q&amp;A

13:45 - 15:15

**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&amp;A

13:45 - 15:15

**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&amp;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<sub>2</sub> in acute and chronic respiratory failure**  
Christian Karagiannidis (Cologne, Germany)**14:00** **Pathophysiology of O<sub>2</sub> 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)

**16:15**      **Pleural infection in low-to-middle-income countries**  
Jane Shaw (Cape Town (Cape), South Africa)

**16:30**      **Discussion and Q&A**

**15:30 - 17:00**

### Clinical trials session: ALERT 2:

**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.

**Chairs :** Kristin Walter (Chicago, United States)

**15:30**

**15:37**

**15:44**

**15:51**      **Wrap-up by discussant and discussion**

**16:13**

**16:20**

**16:27**

**16:34**      **Wrap-up by discussant and discussion**

**16:56**      **Closing remarks**

**15:30 - 17:00**

### Clinical cases: Lungs on fire: pulmonary vascular 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) :** Pulmonary vascular diseases

**Tag(s) :** Clinical

**Chairs :** Olivier Sitbon (Le Kremlin-Bicêtre, France), Judith Löffler-Ragg (Innsbruck, Austria), Silvia Ulrich (Zurich, Switzerland)

**Discussants :** Marion Delcroix (Leuven, Belgium), Gabor Kovacs (Graz, Austria)

**15:30**      **Case 1 incl. panel discussion and Q&A**  
Marion Delcroix (Leuven, Belgium)

**15:52**      **Case 2 incl. panel discussion and Q&A**  
Gabor Kovacs (Graz, Austria)

**16:14**      **Case 3 incl. panel discussion and Q&A**  
Marion Delcroix (Leuven, Belgium)

**16:36**      **Case 4 incl. panel discussion and Q&A**  
Gabor Kovacs (Graz, Austria)

**15:30 - 17:00**

### Mini symposium: Telerehabilitation for chronic respiratory diseases

**Aims :** 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.

**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

*additional registration required for this session***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)

**08:00 Radiological assessment of pulmonary hypertension**  
Lilian Meijboom (Amsterdam, Netherlands)

**08:00 Pathological assessment of pulmonary hypertension**  
Peter Dorfmueller (Giessen, Germany)

**08:00 Echocardiography in pulmonary hypertension**  
Marielle van de Veerdonk (Amsterdam, Netherlands), Abdul Hameed (Sheffield (South Yorkshire), United Kingdom)

**08:00 Clinical assessment of pulmonary hypertension**  
Robin Condliffe (Sheffield (South Yorkshire), United Kingdom), Speaker to be confirmed

## 10:40 - 13:00

*additional registration required for this session***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)

**10:40 Radiological assessment of pulmonary hypertension**  
Lilian Meijboom (Amsterdam, Netherlands)

**10:40 Pathological assessment of pulmonary hypertension**  
Peter Dorfmueller (Giessen, Germany)

**10:40 Echocardiography in pulmonary hypertension**  
Marielle van de Veerdonk (Amsterdam, Netherlands), Abdul Hameed (Sheffield (South Yorkshire), United Kingdom)

**10:40 Clinical assessment of pulmonary hypertension**  
Anton Vonk Noordegraaf (Amsterdam, Netherlands), Robin Condliffe (Sheffield (South Yorkshire), United Kingdom)

## 14:30 - 16:50

*additional registration required for this session***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)

**14:30 Radiological assessment of pulmonary hypertension**  
Andy Swift (Sheffield (South Yorkshire), United Kingdom)

**14:30 Pathological assessment of pulmonary hypertension**  
Peter Dorfmueller (Giessen, Germany)

**14:30 Echocardiography in pulmonary hypertension**  
Marielle van de Veerdonk (Amsterdam, Netherlands), Abdul Hameed (Sheffield (South Yorkshire), United Kingdom)

**14:30 Clinical assessment of pulmonary hypertension**  
Robin Condliffe (Sheffield (South Yorkshire), United Kingdom), Anton Vonk Noordegraaf (Amsterdam, Netherlands)

## 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)

## 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)

## 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.

**Disease(s) :** Thoracic oncology Interstitial lung diseases**Chairs :** Rahul Bhatnagar (Bristol, United Kingdom)**14:30 Introduction**  
Rahul Bhatnagar (Bristol, United Kingdom)**14:50 Normal Thoracic Cavity**  
Giovanni Volpicelli (Torino (TO), Italy), Morten Bendixen (Skejby, Denmark)**14:50 Pleural effusion and / or pleural thickening**  
Konstantina Kontogianni (Heidelberg, Germany), Valentina Pinelli (MASSA-CARRARA, Italy)**14:50 Case studies**  
Poppy Denniston (London, United Kingdom)**14:50 Guided interventions**  
Søren Helbo Skaarup (Aarhus C, Denmark), Speaker to be confirmed

08:30 - 10:00

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

08:30 - 10:00

**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 The impact of patient associations on daily practice**  
Speaker to be confirmed**08:35 Obstructive sleep apnoea and sarcoidosis: an underestimated comorbidity**  
Elisabetta Renzoni (London, United Kingdom)**08:50 Sarcoidosis and ability to work**  
Lesley Ann Saketkoo (New Orleans, United States)

09:05 **Neurosarcoidosis and pain: how to distinguish between subtle signs and symptoms**  
Marcel Veltkamp (De Meern, Netherlands)

09:20 **Sarcoidosis: preservation of the quality of life**  
Katharina Buschulte (Heidelberg, Germany)

09:35 **Discussion and Q&A**

## 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 Postma (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**



08:30 - 10:00

**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)

08:30 Introduction

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 (Lisboa, Portugal), Sophia E. Schiza (Heraklion, Greece)

08:30 **Pathophysiology and phenotyping of acute respiratory distress syndrome: an update**  
Lieuwe D.J. Bos (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)**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**

## 10:15 - 11:45

### Symposium: The changing landscape of lung transplantation

This symposium aims to focus on recent changes in the profile of lung transplant candidates and evolution of post-transplant treatment strategies

**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 Transplantation**Tag(s) :** Clinical, Translational**Target audience :** Adult pulmonologist/Clinician, Clinical researcher, Pathologist, Scientist (basic, translational), Thoracic surgeon**Chairs :** Federica Meloni (Pavia (PV), Italy), Dragos Bumbacea (Bucuresti, Romania), Dorina Rama Esendagli (Ankara, Turkey)**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**

## 10:15 - 11:45

### 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.

**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** **Cofocal 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)

**10:59**      **Case 3 incl. panel discussion and Q&A**  
Claudia Crimi (Catania (CT), Italy)

**11:21**      **Case 4 incl. panel discussion and Q&A**  
Christoph Fisser (Regensburg, Germany)

## 10:15 - 11:45

### 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)

**10:15**      **Perception of breathlessness**  
Magnus Ekström (Lund, Sweden)

**10:30**      **Implementing a successful rehabilitation programme for patients with chronic lung disease**  
Sally J. Singh (Leicester (Leicestershire), United Kingdom)

**10:45**      **Breathlessness: respiratory mechanics**  
Joost Gerard van den Aardweg (Amsterdam (NH), Netherlands)

**11:00**      **Discussion and Q&A**

## 12:45 - 13:45

### 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**

## 13:45 - 15:15

### Symposium: Cystic fibrosis beyond cystic fibrosis: recent advances and new perspectives

**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

**13:45** **A changing scenario: will we still see advanced lung disease?**  
Pierre-Régis Burgel (Paris, France)

**14:00** **Standards for the care of people with cystic fibrosis: insights from the European Cystic Fibrosis Society update for 2024**  
Speaker to be confirmed

**14:15** **Tackling health inequalities in the global cystic fibrosis community**  
Samia Hamouda (Tunis, Tunisia)

**14:30** **Acquired cystic fibrosis transmembrane conductance regulator dysfunction in chronic respiratory diseases: a new mechanism to treat?**  
Marcus Mall (Berlin, Germany)

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

## 13:45 - 15:15

### 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)

**13:45** **Lung cancer screening implementation gaps in Europe**  
Joanna Chorostowska-Wynimko (Warsaw, Poland)

**14:00** **Pan-European guidelines for lung cancer screening: does one size fit all?**  
Torsten Gerriet Blum (Berlin, Germany)

**14:15** **How to translate quality standards into good lung cancer screening programmes: the United Kingdom experience**  
David Baldwin (Nottingham (Nottinghamshire), United Kingdom)

**14:30** **Update on incidental findings in low-dose computed tomography lung cancer screening for pulmonologists: emphysema, interstitial lung abnormalities and beyond**  
Georgia Hardavella (Athens, Greece)

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

## 13:45 - 15:15

### 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, 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, Physiologist, Respiratory physiotherapist, Respiratory therapist

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

**13:45** **Detection of chronic respiratory disease and the challenges of disease management in low-to-middle-income countries**  
Sarah Rylance (Geneva, Switzerland)

**14:00** **Do we need to adapt pulmonary rehabilitation for delivery in low-to-middle-income countries?**  
Mark Orme (Leicester, United Kingdom)

**14:15** **How can we adapt pulmonary rehabilitation for diverse populations to reduce health inequalities?**  
Soo Chin Chan (Kuala Lumpur, Malaysia)

**14:30** **How can we increase capacity in pulmonary rehabilitation using examples from lower-to-middle-income countries?**  
Sundeep Santosh Salvi (Pune (Maharashtra), India)

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

## 13:45 - 15:15

### 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

**13:45** **Patient explaining the burden of a pulmonary condition e.g., rheumatic-associated interstitial lung disease**

**13:50** **Rheumatic-associated interstitial lung disease: rheumatologist's view**  
Anna Maria Hoffmann-Vold (Oslo, Norway)

**14:05** **Rheumatic-associated interstitial lung disease: pulmonologist's view**  
Michael Kreuter (Mainz, Germany)

**14:20** **Bronchiectasis in systemic rheumatic disease: pulmonologist's view**  
James D. Chalmers (Dundee (Angus), United Kingdom)

**14:35** **Bronchiectasis in systemic rheumatic disease: rheumatologist's view**  
Puja Mehta (New Haven, United States)

**14:50** **Discussion and Q&A**

## 13:45 - 15:15

### 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)

**15:30 Reliability of home spirometry in the follow-up of patients with airways disease**  
David Drummond (Paris, France)

**15:45 Telemonitoring beyond spirometry**  
Sabine Zimmermann (München, Germany)

**16:00 Artificial intelligence: a novel clinical diagnostic tool**  
Renata L. Riha (Edinburgh (Edinburgh), United Kingdom)

**16:15 Interpreting pulmonary function tests using artificial intelligence**  
Wim Janssens (Leuven, Belgium)

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

## 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.

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

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

**Tag(s) :** Translational

**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

**15:30 Exploring the immunostimulatory potential of FLAMOD as an adjunct of antibiotics in bacterial pneumonia**  
Jean-Claude Sirard (LILLE, France)

**15:45 Inhalation of FLAMOD: formulation for nebulisation and preclinical evaluation**  
Nathalie Heuzé-Vourc'h (Tours, France)

**16:00 Development of the first-in-human trial for nebulisation of FLAMOD**  
Antoine GUILLON (TOURS CEDEX, France)

**16:15 Prognostic and predictive enrichment strategies for immunomodulatory therapies like FLAMOD**  
Erik Michels (Amsterdam, Netherlands)

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

## 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.



**Disease(s) :** Airway diseases Interstitial lung diseases Paediatric respiratory diseases**Method(s) :** Epidemiology Public health 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, Physician in Pulmonary Training, Respiratory physiotherapist, Scientist (basic, translational)**Chairs :** Angela Zacharasiewicz (Wien, Austria), Chair to be confirmed**15:30 Omics in paediatric asthma**  
Susanne Vijverberg (Amsterdam, Netherlands)**15:45 Diagnostic approach and treatment options for sleep-disordered breathing in children with complex disorders**  
Stijn Verhulst (Antwerpen, Belgium)**16:00 Childhood interstitial lung disease(ChILD): what's new around the corner?**  
Matthias Griese (München, Germany)**16:15 Latest news in childhood tuberculosis**  
Speaker to be confirmed**16:30 Discussion and Q&A****15:30 - 17:00****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)**15:45 - 17:00****Science slam: Science slam****Tag(s) :** Translational**Chairs :** Sara Cuevas Ocaña (Nottingham, United Kingdom), Lucia Pinilla (Adelaide, Australia)**17:15 - 18:45****Assembly members' meeting: Assembly 2: Respiratory intensive care****Chairs :** Christian Karagiannidis (Cologne, Germany)**17:15 - 18:45****Assembly members' meeting: Assembly 5: Airway diseases, asthma, COPD and chronic cough****Chairs :** Apostolos Bossios (Stockholm, Sweden), Florence Schleich (Liège, Belgium)

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. Wijzenbeek (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 Vaghegini (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	<b>Undiagnosed Patients: what can ERN-LUNG do about it</b> Speaker to be confirmed
10:00	<b>Undiagnosed Patients: what can ERN-LUNG do about it</b> Matt Bolz-Johnson (, Belgium), Andrea Cembrero Bonet (, Spain)
10:15	<b>Undiagnosed Patients: what can ERN-LUNG do about it</b> Speaker to be confirmed
10:30	TBC
10:45	<b>How to set up a Clinical Trial Network</b> Isabelle Fajac (Paris, France), Marion Delcroix (Leuven, Belgium)
11:00	<b>ERN-LUNG goes East : How to expand to new territories</b> Gergely Meszaros (Vac, Hungary), Speaker to be confirmed
11:15	<b>Discussion and Q&amp;A</b>

## 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	<b>Why is childhood so important for lung health</b> Speaker to be confirmed
11:15	<b>How can we protect the lungs of young people</b> Marielle W.H. Pijnenburg (Rotterdam, Netherlands)
11:30	<b>What is being done in Vienna/Austria</b>
11:45	<b>How can we make change and engage with youth – examples from ongoing projects (FRESHAIR4LIFE; HLfL4schools; ACACIA; Freedom to Breathe campaign)</b> Speaker to be confirmed
12:15	<b>Discussion and Q&amp;A</b>

