**Lung Science Conference**

**Development of chronic lung diseases:**
*from life-spanning mechanisms to preventive therapy*

14-17 March 2024
Estoril, Portugal

The conference is granted with **16 CME credits** by the European Board for Accreditation on Pneumology (EBAP)

### Thursday 14 March 2024

**Opening Session**

**18:00-18:15**  
**Welcome and Introduction**  
Silke Meiners, ERS Conferences and Seminars Director

**18:15-19:00**  
**Opening Lecture**  
What do we know about the development of chronic lung diseases across the life span?  
Alvar Agusti (Spain)

**19:00-19:15**  
Discussion

**19:30-21:00**  
**Poster session 1 and networking**

### Friday 15 March 2024

**08:30-08:50**  
**Keynote lecture**  
Genetic determinants of chronic lung diseases  
Michael Cho (United States)

08:50-09:05  
Discussion

**09:05-10:30**  
**Session 1: Life-spanning lung environmental interactions in chronic lung diseases**

**09:05-09:25**  
How air pollution and climate change affect allergic rhinitis and asthma?  
Barbara Hoffmann (Germany)

09:25-09:40  
Discussion

**09:40-09:55**  
**Abstract Oral Presentation 1**

**09:55-10:15**  
COPD, biomarkers and lung function trajectories  
Rosa Faner (Spain)

10:15-10:30  
Discussion

**10:30-10:50**  
**Coffee break**

**10:15-12:30**  
**Session 2: Aging pathways involved in chronic lung diseases (part 1)**

All timings are in Western European Time (WET)
10:50-11:10  Aging and metabolic pathways in lung fibrosis  
Ana Mora (United States)  
Discussion

11:25-11:40  Abstract Oral Presentation 2

11:40-12:00  The many faces of senescence  
Toren Finkel (United States)  
Discussion

12:15-12:30  Abstract Oral Presentation 3

12:30-14:30  Lunch for all delegates and mentorship lunch discussion for bursary recipients and their mentors

14:30-15:20  Session 2: Aging pathways involved in chronic lung diseases (part 2)

14:30-14:50  Chronological and biological clocks in age and disease  
Gerard H. Koppelman (Netherlands)  
Discussion

14:50-15:05  Abstract Oral Presentation 4

15:20-15:40  Coffee break

15:40-16:50  Session 3: Developmental pathways involved in chronic lung diseases

15:40-16:00  Developmental pathways in chronic lung diseases  
Rory Morty (Germany)  
Discussion

16:00-16:15  Abstract Oral Presentation 5

16:15-16:35  Lung growth trajectories: catch up and growth failure  
Erik Mélen (Sweden)  
Discussion

17:00-18:30  Poster Session 2

Saturday 16 March 2024

08:45-10:25  Session 4: How can we achieve early detection of chronic lung disease?

08:45-09:05  Epidemiological prediction of the incidence of chronic lung diseases  
Shyamali Dharmage (Australia)  
Discussion

09:05-09:20  Abstract Oral Presentation 5

All timings are in Western European Time (WET)
09:35-09:55 Early image-based detection of chronic lung diseases
Stijn Verleden (Belgium)
09:55-10:10 Discussion
10:10-10:25 Abstract Oral Presentation 6

10:25-10:55 Group Picture and Coffee Break

10:55-11:15 Digital twins to personalize medicine
Liesbet Geris (Belgium)
11:15-11:30 Discussion
11:30-11:45 Abstract Oral Presentation 7
11:45-12:00 Abstract Oral Presentation 8

12:00-13:15 Lunch

13:15-14:30 Young Investigator Session – The William MacNee Award

14:45-16:15 Poster Session 3

From 15:00 coffee will be served in the poster area

17:00-19:30 Early-Career delegates session
The power of collaboration

17:00-17:05 Introduction
Sara Cuevas Ocana (United Kingdom)
17:05-17:15 Academic collaboration with worldwide leaders
Melanie Koenigshoff (United States)
17:15-17:20 Discussion
17:20-17:30 Collaboration with industrial partners
Maria Belvisi (Sweden)
17:30-17:35 Discussion
17:35-17:45 Early career collaboration with respiratory peers
Mareike Lehmann (Germany)
17:45-17:50 Discussion
17:50-18:00 When/where/how to get started in the collaboration cycle?
Harry Karmouty-Quintana (United States)
18:00-18:05 Discussion

All timings are in Western European Time (WET)
18:05-18:15  Remarks: where successful collaborations are a must and how ERS can help you accessing these opportunities
Sara Cuevas Ocaña (United Kingdom)

18:15-19:30  Round table

19:30-20:05  Evening Pre-dinner talk
19:30-19:50  Birth cohort for low- and middle-income settings
Heather Zar (South Africa)
19:50-20:05  Discussion

20:05  Award Ceremony

From 20:30 Dinner for all delegates

Sunday 17 March 2024

08:45-09:55  Session 5: How can we develop preventive therapies for chronic lung diseases?
08:45-09:05  The microbiota in respiratory tract infections: from association to intervention
TBC
09:05-09:20  Discussion

09:20-09:40  Novel regenerative approaches to lung injury
Thomas Conlon (Germany)
09:40-09:55  Discussion

09:55-10:15  Coffee break

10:15-11:45  Panel Discussion
Trajectories to early diagnosis and future therapies of chronic lung diseases
Moderator: Alvar Agusti (Spain)
Panelists: Monika Gappa and etc. – TBD

11:45-12:00  Conclusion by Silke Meiners, ERS Conferences and Seminars Director

12:00  Lunch and departure

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