



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

LIVE

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

LIVE

- 08:30-08:50** **Keynote lecture**
Genetic determinants of chronic lung diseases
Michael Cho (United States)
- 08:50-09:05** Discussion
- LIVE** **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*
- LIVE** **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)

11:10-11:25 Discussion

11:25-11:40 **Abstract Oral Presentation 2**

11:40-12:00 **The many faces of senescence**

Toren Finkel (United States)

12:00-12:15 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)

14:50-15:05 Discussion

15:05-15:20 **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)

16:00-16:15 Discussion

16:15-16:35 **Lung growth trajectories: catch up and growth failure**

Erik Mélen (Sweden)

16:35-16:50 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)

09:05-09:20 Discussion

09:20-09:35 **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

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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*