

Lung Science Conference
Development of chronic lung diseases: from life-spanning mechanisms to preventive therapy

14-17 March 2024
Estoril, Portugal

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)**
- 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	<i>Lunch for all delegates and mentorship lunch discussion for bursary recipients and their mentors</i>
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 TBC
14:50-15:05	Discussion
15:05-15:20	Abstract Oral Presentation 4
15:20-15:40	<i>Coffee break</i>
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

07:30-08:30	Breakfast with industry for Early-Career delegates
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

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**
TBC
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**
TBC
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?**
TBC
18:00-18:05 Discussion

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: TBC

Panelists: TBC

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

12:00 *Lunch and departure*