

***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)

All timings are in Western European Time (WET)

11:10-11:25	Discussion
11:25-11:40	<b>Abstract Oral Presentation 2</b>
11:40-12:00	<b>The many faces of senescence</b> Toren Finkel (United States)
12:00-12:15	Discussion
12:15-12:30	<b>Abstract Oral Presentation 3</b>
12:30-14:30	<i>Lunch for all delegates and mentorship lunch discussion for bursary recipients and their mentors</i>
14:30-15:20	<b>Session 2: Aging pathways involved in chronic lung diseases (part 2)</b>
14:30-14:50	<b>Chronological and biological clocks in age and disease</b> TBC
14:50-15:05	Discussion
15:05-15:20	<b>Abstract Oral Presentation 4</b>
15:20-15:40	<i>Coffee break</i>
15:40-16:50	<b>Session 3: Developmental pathways involved in chronic lung diseases</b>
15:40-16:00	<b>Developmental pathways in chronic lung diseases</b> Rory Morty (Germany)
16:00-16:15	Discussion
16:15-16:35	<b>Lung growth trajectories: catch up and growth failure</b> Erik Mélen (Sweden)
16:35-16:50	Discussion
17:00-18:30	<b>Poster Session 2</b>

## Saturday 16 March 2024

07:30-08:30	<b>Breakfast with industry for Early-Career delegates</b>
08:45-10:25	<b>Session 4: How can we achieve early detection of chronic lung disease?</b>
08:45-09:05	<b>Epidemiological prediction of the incidence of chronic lung diseases</b> Shyamali Dharmage (Australia)
09:05-09:20	Discussion
09:20-09:35	<b>Abstract Oral Presentation 5</b>

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**  
**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*