# 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

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>18:00-18:15</td>
<td>Welcome and Introduction</td>
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| 18:15-19:00 | Opening Lecture  
What do we know about the development of chronic lung diseases across the life span? |
| 19:00-19:15 | Discussion                                               |
| 19:30-21:00 | Poster session 1 and networking                           |

## Friday 15 March 2024

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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| 08:30-08:50 | Keynote lecture  
Genetic determinants of chronic lung diseases |
| 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? |
| 09:25-09:40 | Discussion                                                           |
| 09:40-09:55 | OP01                                                                  |
| 09:55-10:15 | COPD, biomarkers and lung function trajectories                        |
| 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                         |
| 11:10-11:25 | Discussion                                                           |
| 11:25-11:40 | OP02                                                                  |
| 11:40-12:00 | The many faces of senescence                                         |
| 12:00-12:15 | Discussion                                                           |

All timings are in Western European Time (WET)
12:15-12:30 OP03

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
14:50-15:05 Discussion

15:05-15:20 OP04

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
16:00-16:15 Discussion

16:15-16:35 Lung growth trajectories: catch up and growth failure
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
09:05-09:20 Discussion
09:20-09:35 OP05

09:35-09:55 Early image-based detection of chronic lung diseases
09:55-10:10 Discussion
10:10-10:25 OP06

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

10:55-11:15 Digital twins to personalize medicine
11:15-11:30 Discussion

All timings are in Western European Time (WET)
11:30-11:45  OP07
11:45-12:00 OP08
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
17:05-17:15 Academic collaboration with worldwide leaders
17:15-17:20 Discussion
17:20-17:30 Collaboration with industrial partners
17:30-17:35 Discussion
17:35-17:45 Early career collaboration with respiratory peers
17:45-17:50 Discussion
17:50-18:00 When/where/how to get started in the collaboration cycle?
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
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
19:50-20:05 Discussion

20:05 Award Ceremony

From 20:30 Dinner for all delegates

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<tbody>
<tr>
<td>08:45-09:55</td>
<td>Session 5: How can we develop preventive therapies for chronic lung diseases?</td>
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<td>08:45-09:05</td>
<td>The microbiota in respiratory tract infections: from association to intervention</td>
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<td>09:05-09:20</td>
<td>Discussion</td>
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<td>09:20-09:40</td>
<td>Novel regenerative approaches to lung injury</td>
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<td>Discussion</td>
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<td>09:55-10:15</td>
<td>Coffee break</td>
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<td>10:15-11:45</td>
<td>Panel Discussion</td>
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<td>Trajectories to early diagnosis and future therapies of chronic lung diseases</td>
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<td>Moderator:</td>
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<td>Panelists:</td>
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<td>11:45-12:00</td>
<td>Conclusion</td>
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<td>12:00</td>
<td>Lunch and departure</td>
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