Lung Science Conference
Repair and regeneration in chronic lung disease and lung cancer
11-14 March 2021 – Estoril, Portugal
Scientific programme as of 23.06.2020 - Speakers to be confirmed

**Thursday 11 March 2021**

**Opening Session**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker/Presenter</th>
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<tbody>
<tr>
<td>18:00-18:15</td>
<td>Welcome and Introduction</td>
<td>Reinoud Gosens, ERS Conferences and Seminars Director</td>
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<tr>
<td>18:15-19:00</td>
<td>Opening Lecture</td>
<td>“Adult stem cell-based organoids for disease modelling”</td>
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<td>19:00-19:15</td>
<td>Discussion</td>
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<td>19:15-20:00</td>
<td>Welcome “cheese and wine” cocktail</td>
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**Friday 12 March 2021**

**Session 1:** Cell plasticity in lung development and disease

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<thead>
<tr>
<th>Time</th>
<th>Presentation</th>
<th>Title</th>
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<tbody>
<tr>
<td>08:30-08:50</td>
<td>iPSC derived lung stem cells as tools to understand lung regeneration and disease</td>
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<td>08:50-09:05</td>
<td></td>
<td>Discussion</td>
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<tr>
<td>09:05-09:20</td>
<td>Abstract Oral Presentation 1</td>
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<td>09:20-09:40</td>
<td>Krt8+ translational stem cell intermediates in alveolar regeneration</td>
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<td>09:40-09:55</td>
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<td>Discussion</td>
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<td>09:55-10:15</td>
<td>Macrophage plasticity in COPD</td>
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<td>10:15-10:30</td>
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<td>Discussion</td>
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<tr>
<td>10:30-10:50</td>
<td>Coffee break</td>
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**Session 2:** Stem cell niche interactions (part 1)

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<tr>
<th>Time</th>
<th>Presentation</th>
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<tbody>
<tr>
<td>10:50-11:05</td>
<td>Abstract Oral Presentation 2</td>
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<tr>
<td>11:05-11:20</td>
<td>Abstract Oral Presentation 3</td>
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<td>11:20-11:40</td>
<td>Epithelial-mesenchymal interactions involving FGFs</td>
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<td>11:40-11:55</td>
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<td>Discussion</td>
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<td>12:00-14:00</td>
<td>Lunch for all delegates and mentorship lunch discussion for bursary recipients and their mentors</td>
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Session 2: Stem cell niche interactions (part 2)

14:00-14:15 Abstract Oral Presentation 4
14:15-14:35 The role of the microvascular niche in lung regeneration
14:35-14:50 Discussion
14:50-15:05 Abstract Oral Presentation 5
15:05-15:20 Abstract Oral Presentation 6

From 15:20 coffee will be served in the poster area

15:30-17:30 Poster Session 1

From 19:00 Dinner for all delegates

Saturday 13 March 2021

Session 3: Epithelial stem cell in disease

08:30-08:50 Tobacco smoking and somatic mutations in human bronchial epithelium
08:50-09:05 Discussion
09:05-09:20 Abstract Oral Presentation 7
09:20-09:40 Interplay between viral infections and epithelial progenitors in the lung
09:40-09:55 Discussion
09:55-10:10 Abstract Oral Presentation 8
10:10-10:30 Club cells in adenocarcinoma and alveolar repair
10:30-10:45 Discussion
10:45-11:10 Group Picture and Coffee Break
11:10-12:25 Young Investigator Session – The William MacNee Award
12:30-13:30 Lunch
13:30-15:30 Poster Session 2

From 15:15 coffee will be served in the poster area
17:00-19:30  Early-Career delegates session – Research output for career advancement: When, where and how?

17:00-17:10  Introduction

17:10-17:30  The use of Pre-prints to publish your science

17:30-17:50  How to measure research output – the DORA declaration

17:50-18:10  How to make me like your paper (part 1)

18:10-18:30  How to make me like your paper (part 2)

18:30-19:30  Panel discussion and networking event

19:30-20:00  Evening Pre-dinner talk
“CLARITY-optimized light sheet microscopy (COLM): a tour de force of human and mouse anatomy”

From 20:00 Gala Dinner and Award Ceremony

**Sunday 14 March 2021**

**Session 4:**  Cell-matrix interactions

**08:45-09:05**  Cell-matrix interactions in chronic lung disease
09:05-09:20  Discussion

**09:20-09:40**  Integrin signaling and mechanotransduction in the regulation of lung cancer and stem cell function
09:40-09:55  Discussion

**09:55-10:15**  Coffee break

**Session 5:**  Therapies: organoids, drugs, cell therapy

**10:15-10:35**  Organoid therapy for chronic lung disease
10:35-10:50  Discussion

**10:50-11:10**  Mesenchymal stem cell therapy for severe emphysema
11:11-11:25  Discussion

**11:25-11:45**  Cellular reprogramming of cancer cells to antigen-presenting cells
11:45-12:00  Discussion

**12:00-12:30**  Panel discussion

**12:30-12:45**  Conclusion by Reinoud Gosens, ERS Conferences and Seminars Director

**12:45**  Lunch and departure