### Thursday 11 March 2021

**Opening Session**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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| 18:00-18:15 | Welcome and Introduction  
Reinoud Gosens, ERS Conferences and Seminars Director |
| 18:15-19:00 | Opening Lecture  
“Adult stem cell-based organoids for disease modelling” |
| 19:00-19:15 | Discussion |
| 19:15-20:00 | Welcome “cheese and wine” cocktail |

### Friday 12 March 2021

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

- **08:30-08:50** iPSC derived lung stem cells as tools to understand lung regeneration and disease
- **08:50-09:05** Discussion
- **09:05-09:20** Abstract Oral Presentation 1
- **09:20-09:40** Krt8+ translational stem cell intermediates in alveolar regeneration
- **09:40-09:55** Discussion
- **09:55-10:15** Macrophage plasticity in COPD
- **10:15-10:30** Discussion
- **10:30-10:50** Coffee break

**Session 2:** Stem cell niche interactions (part 1)

- **10:50-11:05** Abstract Oral Presentation 2
- **11:05-11:20** Abstract Oral Presentation 3
- **11:20-11:40** Mechanical tension on alveolar stem cells causes progressive pulmonary fibrosis
- **11:40-11:55** Discussion
- **12:00-14:00** Lunch for all delegates and mentorship lunch discussion for bursary recipients and their mentors
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 Immune evasion proceeds tumour invasion in early lung squamous carcinogenesis
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**

<table>
<thead>
<tr>
<th>Session 4:</th>
<th>Cell-matrix interactions</th>
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<tbody>
<tr>
<td>08:45-09:05</td>
<td>Cell-matrix interactions in chronic lung disease</td>
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<tr>
<td>09:05-09:20</td>
<td>Discussion</td>
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<td>09:20-09:40</td>
<td>Integrin signaling and mechanotransduction in the regulation of lung cancer and stem cell function</td>
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<td>09:40-09:55</td>
<td>Discussion</td>
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<td>09:55-10:15</td>
<td>Coffee break</td>
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<td>Session 5:</td>
<td>Therapies: organoids, drugs, cell therapy</td>
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<tr>
<td>10:15-10:35</td>
<td>Organoid therapy for chronic lung disease</td>
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<td>10:35-10:50</td>
<td>Discussion</td>
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<td>10:50-11:10</td>
<td>Mesenchymal stem cell therapy for severe emphysema</td>
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<td>11:11-11:25</td>
<td>Discussion</td>
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<td>11:25-11:45</td>
<td>Cellular reprogramming of cancer cells to antigen-presenting cells</td>
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<td>11:45-12:00</td>
<td>Discussion</td>
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<td>12:00-12:30</td>
<td>Panel discussion</td>
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<tr>
<td>12:30-12:45</td>
<td>Conclusion by Reinoud Gosens, ERS Conferences and Seminars Director</td>
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<tr>
<td>12:45</td>
<td>Lunch and departure</td>
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