Lung Science Conference
Repair and regeneration in chronic lung disease and lung cancer
11-12 March 2021 – Virtual
Virtual programme as of 17.11.2020

Day 1 – Thursday 11 March 2021

Opening Session
14:00-14:15 Welcome and Introduction
Reinoud Gosens, ERS Conferences and Seminars Director

14:15-14:25 Opening Lecture
“Is human pulmonary fibrosis simply lung regeneration without a blueprint?”
Naftali Kaminski (Pennsylvania, USA)

14:25-14:30 Discussion

Session 1: Cell plasticity in lung development and disease
14:30-14:40 iPSC derived lung stem cells as tools to understand lung regeneration and disease
Killian Hurley (Dublin, Ireland)

14:40-14:45 Discussion

14:45-14:55 Krt8+ translational stem cell intermediates in alveolar regeneration
Joo-Hyeon Lee (Cambridge, United Kingdom)

14:55-15:00 Discussion

15:00-15:10 Macrophage plasticity in COPD
Joachim Schultze (Bonn, Germany)

15:10-15:15 Discussion

Session 2: Stem cell niche interactions
15:15-15:25 Epithelial-mesenchymal interactions involving FGFs
Saverio Bellusci (Giessen, Germany)

15:25-15:30 Discussion

15:30-15:40 The role of the microvascular niche in lung regeneration
Edward Morrisey (Pennsylvania, USA)

15:40-15:45 Discussion

15:45-16:00 Break

16:00-17:00 Poster session 1 (4 break-out with 10 posters)

17:00-17:15 Break with intersession slides

17:15-18:15 Poster session 2 (4 break-out with 10 posters)

18:15-19:15 Mentorship session (Option 1)

All timings are in Central European Time (CET)
Day 2 – Friday 12 March 2021

10:00-12:15 Early-Career delegates session – Research output for career advancement: When, where and how?
10:00-10:15 Introduction
Niki Ubags (Epalinges, Switzerland)
10:15-10:25 The use of Pre-prints to publish your science
Darcy Wagner (Lund, Sweden)
10:25-10:30 Discussion
10:30-10:40 How to write a peer review
Pieter Hiemstra (Leiden, Netherlands)
10:40-10:45 Discussion
10:45-10:55 How to make me like your paper (part 1)
Suzanne Herold (Giessen, Germany)
10:55-11:00 Discussion
11:00-11:10 How to make me like your paper (part 2)
Martin Kolb (Hamilton, Canada)
11:10-11:15 Discussion
11:15-12:15 Panel discussion

12:30-13:30 Mentorship session (Option 2)
12:30-13:30 Lunch break

Session 3: Epithelial stem cell in disease

14:00-14:10 Tobacco smoking and somatic mutations in human bronchial epithelium
Sam Janes (London, United Kingdom)
14:10-14:15 Discussion
14:15-14:25 Interplay between viral infections and epithelial progenitors in the lung
Susanne Herold (Giessen, Germany)
14:25-14:30 Discussion
14:30-14:40 Club cells in adenocarcinoma and alveolar repair
Georgios Stathopoulos (Patras, Greece)
14:40-14:45 Discussion
14:45-15:45 Young Investigator Session – The William MacNee Award
15:45-16:00 Break

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### Keynote Lecture:

<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>16:00-16:20</td>
<td>Uncovering the cells and genes responsible for salamander limb regeneration</td>
<td>Nicholas Leigh (Lund, Sweden)</td>
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<td>16:20-16:25</td>
<td>Discussion</td>
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### Session 4: Cell-matrix interactions

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<tr>
<th>Time</th>
<th>Title</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>16:25-16:35</td>
<td>Cell-matrix interactions in chronic lung disease</td>
<td>Janette Burgess (Groningen, Netherlands)</td>
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<td>16:35-16:40</td>
<td>Discussion</td>
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<td>16:40-16:50</td>
<td>Integrin signaling and mechanotransduction in the regulation of lung cancer and stem cell function</td>
<td>Sara Wickström (Helsinki, Finland)</td>
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<td>16:50-16:55</td>
<td>Discussion</td>
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### Session 5: Therapies: organoids, drugs, cell therapy

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<tr>
<th>Time</th>
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<th>Speaker</th>
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<tbody>
<tr>
<td>16:55-17:05</td>
<td>Lung organoids reveal epithelial-mesenchymal mechanisms of lung disease and potential therapy</td>
<td>Carla Kim (Boston, USA)</td>
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<td>17:05-17:10</td>
<td>Discussion</td>
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<tr>
<td>17:10-17:20</td>
<td>Mesenchymal stem cell therapy for severe emphysema</td>
<td>Pieter Hiemstra (Leiden, Netherlands)</td>
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<td>17:20-17:25</td>
<td>Discussion</td>
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<td>17:25-17:35</td>
<td>Cellular reprogramming of cancer cells to antigen-presenting cells</td>
<td>Filipe Pereira (Lund, Sweden)</td>
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<td>17:35-17:40</td>
<td>Discussion</td>
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<td>17:40-18:10</td>
<td>Awards announcement and conclusion by Reinoud Gosens, ERS Conferences and Seminars Director</td>
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e-Poster platform available from Monday 8th March to Sunday 14th March 2021

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