



# ERS

# 19<sup>th</sup> ERS LUNG SCIENCE CONFERENCE

## ***Lung Science Conference*** ***Repair and regeneration in chronic lung disease and lung cancer***

11-14 March 2021 – Estoril, Portugal

*Scientific programme as of 26.08.2020 - Speakers to be confirmed*

### **Thursday 11 March 2021**

#### **Opening Session**

- |                    |                                                                                                       |
|--------------------|-------------------------------------------------------------------------------------------------------|
| <b>18:00-18:15</b> | <b>Welcome and Introduction</b><br>Reinoud Gosens, ERS Conferences and Seminars Director              |
| <b>18:15-19:00</b> | <b>Opening Lecture</b><br>“Is human pulmonary fibrosis simply lung regeneration without a blueprint?” |
| <b>19:00-19:15</b> | Discussion                                                                                            |
| <b>19:15-20:00</b> | <b>Welcome “cheese and wine” cocktail</b>                                                             |

### **Friday 12 March 2021**

- |                    |                                                                                                  |
|--------------------|--------------------------------------------------------------------------------------------------|
| <b>Session 1:</b>  | <b>Cell plasticity in lung development and disease</b>                                           |
| <b>08:30-08:50</b> | <b>iPSC derived lung stem cells as tools to understand lung regeneration and disease</b>         |
| <b>08:50-09:05</b> | Discussion                                                                                       |
| <b>09:05-09:20</b> | <b>Abstract Oral Presentation 1</b>                                                              |
| <b>09:20-09:40</b> | <b>Krt8+ translational stem cell intermediates in alveolar regeneration</b>                      |
| <b>09:40-09:55</b> | Discussion                                                                                       |
| <b>09:55-10:15</b> | <b>Macrophage plasticity in COPD</b>                                                             |
| <b>10:15-10:30</b> | Discussion                                                                                       |
| <b>10:30-10:50</b> | <i>Coffee break</i>                                                                              |
| <b>Session 2:</b>  | <b>Stem cell niche interactions (part 1)</b>                                                     |
| <b>10:50-11:05</b> | <b>Abstract Oral Presentation 2</b>                                                              |
| <b>11:05-11:20</b> | <b>Abstract Oral Presentation 3</b>                                                              |
| <b>11:20-11:40</b> | <b>Epithelial-mesenchymal interactions involving FGFs</b>                                        |
| <b>11:40-11:55</b> | Discussion                                                                                       |
| <b>12:00-14:00</b> | Lunch for all delegates and mentorship lunch discussion for bursary recipients and their mentors |



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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



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<b>17:00-19:30</b>	<b>Early-Career delegates session – Research output for career advancement: When, where and how?</b>
<b>17:00-17:10</b>	<b>Introduction</b>
<b>17:10-17:30</b>	<b>The use of Pre-prints to publish your science</b>
<b>17:30-17:50</b>	<b>How to measure research output – the DORA declaration</b>
<b>17:50-18:10</b>	<b>How to make me like your paper (part 1)</b>
<b>18:10-18:30</b>	<b>How to make me like your paper (part 2)</b>
<b>18:30-19:30</b>	<b>Panel discussion and networking event</b>
<b>19:30-20:00</b>	<b>Evening Pre-dinner talk</b> “Uncovering the cells and genes responsible for salamander limb regeneration”

From 20:00 Gala Dinner and Award Ceremony

## Sunday 14 March 2021

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