ERS | 19th 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 30.06.2020 - Speakers to be confirmed

Thursday 11 March 2021

Opening Session

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	**Epithelial-mesenchymal interactions involving FGFs**
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	**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** "Uncovering the cells and genes responsible for salamander limb regeneration"

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