



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 01.10.2020

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**
“Is human pulmonary fibrosis simply lung regeneration without a blueprint?”
Naftali Kaminski (Pennsylvania, USA)
- 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**
Killian Hurley (Dublin, Ireland)
- 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**
Joo-Hyeon Lee (Cambridge, United Kingdom)
- 09:40-09:55 Discussion
- 09:55-10:15** **Macrophage plasticity in COPD**
Joachim Schultze (Bonn, Germany)
- 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**
Saverio Bellusci (Giessen, Germany)
- 11:40-11:55 Discussion



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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

Edward Morrissey (Pennsylvania, USA)

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

Sam Janes (London, United Kingdom)

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

Susanne Herold (Giessen, Germany)

09:40-09:55 Discussion

09:55-10:10 Abstract Oral Presentation 8

10:10-10:30 Club cells in adenocarcinoma and alveolar repair

Georgios Stathopoulos (Patras, Greece)

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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17:00-19:30 **Early-Career delegates session – Research output for career advancement: When, where and how?**

17:00-17:10 **Introduction**
Niki Ubags (Epalinges, Switzerland)

17:10-17:30 **The use of Pre-prints to publish your science**
Darcy Wagner (Lund, Sweden)

17:30-17:50 **How to write a peer review**
Pieter Hiemstra (Leiden, Netherlands)

17:50-18:10 **How to make me like your paper (part 1)**
Suzanne Herold (Giessen, Germany)

18:10-18:30 **How to make me like your paper (part 2)**
Martin Kolb (Hamilton, Canada)

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” – Nicholas Leigh (Lund, Sweden)

From 20:00 Gala Dinner and Award Ceremony



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Sunday 14 March 2021

Session 4: Cell-matrix interactions

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

Janette Burgess (Groningen, Netherlands)

09:05-09:20 Discussion

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

Johanna Ivaska (Turku, Finland)

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

Carla Kim (Boston, USA)

10:35-10:50 Discussion

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

Pieter Hiemstra (Leiden, Netherlands)

11:10-11:25 Discussion

11:25-11:45 Cellular reprogramming of cancer cells to antigen-presenting cells

Filipe Pereira (Lund, Sweden)

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