

# **Lung Science Conference**

## **Mechanisms of Acute Exacerbation of Respiratory Disease**

07-10 March 2019 - Estoril, Portugal / programme as of 20.06.2018

The speakers are invited, but not yet confirmed

### **Thursday 07 March 2019**

#### **Opening Session**

- 18:00-18:15**      **Welcome and Introduction**  
Rachel Chambers, ERS Conferences and Seminars Director
- 18:15-18:45**      **Opening Lecture**  
“Viruses as a critical trigger in the development of acute exacerbations of asthma” – Sebastian Johnston (London, UK)
- 18:45-19:00      Discussion
- 19:00-19:30**      **Welcome cocktail**

### **Friday 08 March 2019**

#### **Session 1: Triggers of acute exacerbation**

- 08:45-09:05**      **Pollutant induced acute exacerbations of asthma and COPD**  
Guy Brusselle (Ghent, Belgium)
- 09:05-09:20      Discussion
- 09:20-09:35**      Abstract Oral Presentation 1
- 09:35-09:55**      **Viral infections as drivers of acute exacerbations of lung fibrosis**  
Bethany Moore (Michigan, USA)
- 09:55-10:10      Discussion
- 10:10-10:25**      Abstract Oral Presentation 2
- 10:25-10:50      *Coffee break*
- 10:50-11:05**      Abstract Oral Presentation 3
- 11:05-11:25**      **Dysregulation of the metabolome as a basis for acute exacerbations of asthma**  
Susan Lynch (San Francisco, USA)
- 11:25-11:40      Discussion
- 11:40-11:55**      Abstract Oral Presentation 4
- 11:55-14:00      Lunch for all delegates and mentorship lunch for bursary recipients and their mentors

## Session 2: Microbiome and acute exacerbation

- 14:00-14:20**      **Development and homeostasis of a healthy microbiome in the human respiratory tract**  
Debby Bogaert (The Netherlands / UK)
- 14:20-14:35      Discussion
- 14:35-14:50      Abstract Oral Presentation 5
- 14:50-15:10**      **The contribution of the microbiome and fungome to acute exacerbation in fibrotic lung disease**  
Philip Molyneaux (London, UK)
- 15:10-15:25      Discussion
- 15:25-15:45**      **Microbiome in Cystic Fibrosis exacerbations**  
Marcus Mall (Berlin, Germany)
- 15:45- 16:00      Discussion
- 16:00-16:15      *Coffee break*
- 16:15-18:15**      **Poster Session 1 – Up to 40 posters based on abstract selected**

Dinner for all delegates

---

## Saturday 09 March 2019

### Session 3: Pathophysiology of acute exacerbation (part 1)

- 08:45-09:05**      **Host DNA released by NETosis promotes rhinovirus-induced type-2 allergic asthma exacerbation**  
Thomas Marichal (Liège, Belgium)
- 09:05-09:20      Discussion
- 09:20-09:35      Abstract Oral Presentation 6
- 09:35-09:55**      **The microbiome in bronchiectasis**  
James Chalmers (Dundee, UK)
- 09:55- 10:10      Discussion
- 10:10-10:25      Abstract Oral Presentation 7
- 10:25-10:40      Abstract Oral Presentation 8
- 10:40-11:00      *Group Picture and Coffee Break*
- 11:00-12:15**      **Young Investigator Session – (the 5 best abstracts from young authors)**

**12:15-14:45**      **Lunch and Poster Session 2** (up to 40 posters based on abstract)

**14:50-16:50** **Early-Career delegates session: How to advance your career**  
**Chair:** Sabine Bartel and Pieter Hiemstra

14:50-14:55      Introduction (Sabine Bartel)  
14:55-15:10      Tenure Tracks and Junior Research Groups- The Lund University Model (Gunilla Westergren-Thorsen - Sweden)  
15:10-15:25      Experiences from a junior research group leader (Darcy Wagner - Sweden)  
15:25-15:40      Discussion with both speakers  
15:40-15:55      Successful entry paths into industry (David Wyatt - Germany)  
15:55-16:10      Tipps from a successful industry applicant (Marc Kästle - Germany)  
16:10- 16:25      Discussion with both speakers  
16:25-16:50      Panel discussion and networking event

**19:00-19:30**      **Evening Pre-dinner talk**  
                          “**Innate immunity and inflammation**”  
                          Luke O’Neill (Dublin, Ireland)

From 20:00 Gala Dinner and Awards Ceremony

**Session 4: Pathophysiology of acute exacerbation (part 2)**

- 08:45-09:05**      **Cellular mechanisms underlying steroid refractory asthma**  
Philip Hansbro (Newcastle, Australia)
- 09:05-09:20      Discussion
- 09:20-09:40**      **Non-coding RNA in acute exacerbations of cystic fibrosis**  
Catherine Greene (Dublin, Ireland)
- 09:40-09:55      Discussion
- 09:55-10:15      **Mechanisms of AE in COPD**  
Mona Bafadhel (London, United Kingdom)
- 10:15-10:30      Discussion
- 10:30-10:45      *Coffee break*

**Session 5: Treatment/management/prevention of acute exacerbation**

- 10:45-11:05**      **Management of COPD exacerbations**  
Nicolas Roche (Paris, France)
- 11:05-11:20      Discussion
- 11:20-11:40**      **Harnessing the microbiome to combat inflammation-a hot topic or a credible future?**  
Liam O'Mahony (Zurich, Switzerland)
- 11:40-11:55      Discussion
- 11:55-12:10      Conclusion by Rachel Chambers, ERS Conferences and Seminars Director