

"Host-pathogen interactions in the lung: implications for treatment of respiratory infections and inflammatory lung diseases"

Hochgebirgsklinik - Davos, Switzerland
June 20-22, 2008

SCIENTIFIC PROGRAMME

Friday, June 20, 2008

Pre-dinner lecture (venue to be confirmed)

19:30-20:30 **Bacterial infections in COPD**
Sanjay Sethi (Buffalo, NY)

20:30 *Dinner*

Saturday, June 21, 2008

Session 1: Micro-organisms

Chairs: Robert Bals (Marburg, DE), Niels Hoiby (Copenhagen, DK)

09:00-09:45 **New pathogens emerging from the animal kingdom: avian flu and beyond**
Hans-Dieter Klenk (Marburg, DE)

09:45-10:30 **Biofilm formation in the airways**
Paul Williams (Nottingham, GB)

10:30-11:15 **Evolution of the infectious disease in cystic fibrosis (CF)**
Burkhard Tuemmler (Hannover, DE)

11:15-11:45 *Coffee Break*

Session 2: Host defense mechanisms

Chairs: Pieter Hiemstra (Leiden, NL), Donna Davies (Southampton, GB)

- 11:45-12:30 **Neutrophils: the good, the bad or the ugly?**
Gregory Downey (Denver, US)
- 12:30-13:15 **Airway mucins in health and disease**
David J. Thornton (Manchester, GB)
- 13:15-14:15 Lunch*
- 14:15-15:00 **Antimicrobial peptides**
Pieter Hiemstra (Leiden, NL)
- 15:00-15:45 **Airway epithelial cells in cystic fibrosis lung disease**
Robert Bals (Marburg, DE)

16:15-18:15 **Breakout sessions**

- Interactions between micro-organisms and the lung**
Discussion leaders: Burkhard Tuemmler (Hannover, DE)
and Paul Williams (Nottingham, GB)
- Contribution of microorganisms to asthma, COPD and cystic fibrosis**
Discussion leaders: Alvar Agusti (Palma de Mallorca, ES)
and Donna Davies (Southampton, GB)
- Novel tools to diagnose infectious disease**
Discussion leaders: Tom M. Wilkinson (London, GB)
and Hans-Dieter Klenk Marburg, DE)
- Antimicrobial drug development for cystic fibrosis lung disease**
Discussion leader: Niels Hoiby (Copenhagen, DK)

19:00 Dinner

Sunday, June 22, 2008

Session 3: Preclinical and patient studies

Chairs: Robert Bals (Marburg, DE), Gregory Downey (Denver, US)

- 09:00-09:45 **Animal infection models for drug development**
Niels Hoiby (Copenhagen, DK)
- 09:45-10:30 **How cultured epithelial cells from asthma and COPD patients deal with
pathogens: defective anti-rhinovirus responses in asthma**
Donna Davies (Southampton, GB)
- 10:30-11:00 Coffee Break*
- 11:00-11:45 **Respiratory viral infections in COPD**
Tom M. Wilkinson (London, GB)
- 11:45-12:30 **Systemic inflammation in COPD - a role for infection?**
Alvar Agusti (Palma de Mallorca, ES)

Conference Adjourns

This programme is subject to change