

Symposium of the NRS Platform animal models in pulmonary research

When: October 17th 2013.

Location: David de Wied gebouw, M2.01, Universiteitsweg 99, 3584 CG Utrecht, de Uithof.

9.15-9.30 hr. Welcome and introduction

Gert Folkerts (*Pharmacology, Utrecht University*) and Gerry Wagenaar (*Pediatrics, LUMC, Leiden*).

9.30-11.00 hr: Viral Infections

- * Animal models of experimental RSV infection.
Marcel Schijf (Pediatrics, University Medical Center, Utrecht)
- * Mechanical ventilation of mice and RSV-induced bronchiolitis.
Marije Hennus (Pediatric Intensive Care, Wilhelmina Children's Hospital/UMCU, Utrecht)
- * Innate lymphocytes in asthma and influenza.
Rudi Hendriks (Pulmonology, Erasmus Medical Center, Rotterdam)

11.00-11.15 hr. Coffee

11.15-12.45 hr Neonatal lung disease and imaging

- * Investigating pulmonary and hemodynamic transition at birth using plethysmography and phase contrast X-ray imaging.
Arjan te Pas (Pediatrics, Division of Neonatology, Leiden University Medical Center, Leiden)
- * Rat and mouse models of congenital diaphragmatic hernia.
Heleen Kool (Cell Biology and Pediatric Surgery, Erasmus MC, Rotterdam)
- * A mouse model for Congenital Cystic Adenomatoid Malformation?
Joshua Ochieng (Cell Biology and Pediatric Surgery, Erasmus MC, Rotterdam)

12.45-13.15 hr. lunch

13.15-14.15 hr. Inflammation, infection and remodelling

- * A regulatory role for the muscarinic M3 receptor in airway inflammation and remodelling.
Loes Kistemaker (Molecular Pharmacology, Groningen University, Groningen)
- * Schistosome-induced IL-10 producing B cells are involved in the protection against allergic airway inflammation.
Luciën van der Vlugt (Parasitology, Leiden University Medical Center, Leiden)

14.15-15.45 hr COPD and Emphysema.

- * Mouse models of experimental lung emphysema.
Padmini Khedoe (Pulmonology and Endocrinology, Leiden University Medical Center, Leiden)
- * Guinea pig model of LPS-induced COPD.
Herman Meurs (Molecular Pharmacology, Groningen University, Groningen)
- * Prenatal programming by maternal smoking during pregnancy: susceptibility for development of COPD.
Machteld Hylkema (Pathology, University Medical Center, Groningen)

15.45-16.00 hr. Tea and coffee break

16.00-17.00 hr. **Asthma**

- * House-dust mite mediated neonatal asthma in mice
Isme de Kler (Pulmonology, Erasmus Medical Center, Rotterdam).
- * Synbiotics in a model of chronic asthma..
Seil Sagar (Pharmacology, UIPS, Utrecht)

17.00-18.00 hr. **Network meeting with drinks and Italian Buffet**