

Symposium of the NRS platform on animal models in pulmonary research

When: October 16th, 2015.

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

9.45-10.15 hr. **Welcome and introduction.**

Gert Folkerts (Pharmacology, Utrecht University), Rudi Hendriks (Pulmonology, Erasmus MC, Rotterdam) and Gerry Wagenaar (Pediatrics, LUMC, Leiden).

10.15-11.00 hr. **Lung imaging.**

- Visualizing allergic immune responses of the airway mucosa: **Tibor Veres**, *MediCity Research Laboratory, University of Turku, Turku, Finland.*

11.00-12.40 hr. **Asthma and allergic airway disease.**

- IL33 and TSLP involvements in influenza-induced exacerbation in a murine model of chronic asthma: **Lara Ravanetti**, *Pulmonology, AMC, Amsterdam*
- A combination treatment of olodaterol and tiotropium synergistically inhibits airway inflammation in a HDM rechallenge model of allergic airway disease in mice: **Stan de Klein**, *Pulmonology, LUMC, Leiden*
- The effects of oligosaccharides in a house dust mite induced asthma model: **Kim Verheijden**, *Pharmacology, UIPS, Utrecht University, Utrecht*
- Notch signaling in CD4+ T-cells is required in allergic asthma in vivo: **Irma Tindemans**, *Pulmonary Medicine, Erasmus MC, Rotterdam.*

12.40-13.10 hr. **Lunch**

13.10-15.10 hr. **Lung infection.**

- Local lymphoid tissues and immunity to pulmonary infection: **Troy Randall**, *Medicine, Division of Clinical Immunology and Rheumatology, University of Alabama at Birmingham, Birmingham, Alabama, USA*
- Pre-clinical testing of novel influenza vaccines: **Guus Rimmelzwaan**, *Virology, ErasmusMC, Rotterdam*
- The role of B cells in Mycoplasma pneumoniae colonization and infection in the murine respiratory tract: **Patrick Meyer Sauter**, *Pediatrics, Erasmus MC-Sophia Children's Hospital, Rotterdam*
- Cell specific innate immune sensing during experimental bacterial pneumonia.: **Alex de Vos**, *Center for Infection and Immunity Amsterdam, AMC, Amsterdam.*

15.10-15.30 hr. **Tea and coffee break**

15.30-16.45 hr **Perinatal Lung injury and remodelling.**

- Pulmonary vasculature changes after an intra-uterine inflammatory hit in an extremely premature sheep fetus - moving to a more clinical model: **Monique Willems**, *Pediatrics, MUMC, Maastricht*

- Deficiency or inhibition of lysophosphatidic acid receptor 1 protects against hyperoxia-induced lung injury in neonatal rats: **Xueyu Chen**, *Laboratory of Neonatology, Pediatrics, LUMC, Leiden*
- Therapeutic implications of beta-catenin inhibition in airway smooth muscle, using the small-molecule compound ICG-001: **Tim Koopmans**, *Molecular Pharmacology, University of Groningen, Groningen*.

17.00-18.30 hr. **Network meeting with drinks and Italian Buffet.**