

## **Symposium of the NRS Platform Animal models in pulmonary research**

**When: October 13<sup>th</sup>, 2017.**

**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. Keynote lecture.**

\* Animal models to study the cough reflex.

Maria Belvisi, *Head Respiratory Pharmacology Group, Pharmacology and Toxicology Section, Imperial College London, London, UK.*

### **11.00-12.30 hr. Drug development in lung cancer, COPD and pulmonary hypertension.**

\* Lung organoids as a platform for progenitor cell biology and drug discovery in the context of COPD.

John Poul Ng-Blichfeldt, *Pharmacology, Groningen University, Groningen.*

\* Normal tissue models to improve lung cancer treatment.

Lorena Giuranno, *Radiotherapy, Maastricht University Medical Center.*

\* Contribution of impaired parasympathetic activity to right ventricular dysfunction and pulmonary vascular remodeling in pulmonary arterial hypertension.

Denielli Bos, *Pulmonology, Free University Medical Center, Amsterdam.*

### **12.30-13.15 hr. Lunch.**

### **13.15-14.00 hr. Keynote lecture**

\* Towards innovative medicines for uncontrolled respiratory diseases.

Edith Hessel, *VP and Head of Refractory Respiratory Inflammation Discovery Performance Unit, Glaxo Smith Kline, UK.*

### **14.00-15.30 hr. Asthma**

\* Activation of cDC1s suppresses Th2-mediated eosinophilic airway inflammation.

Heleen Vroman, *Pulmonary Medicine, Erasmus Medical Center, Rotterdam.*

\* Raw cow's milk prevents the development of airway inflammation in a murine house dust mite-induced asthma model.

Betty van Esch, *Pharmacology, Utrecht University, Utrecht.*

\* Epigenome analysis implicates ILC2s as key mediators of allergic airway inflammation

Ralph Stadhouders, *Pulmonary Medicine, Erasmus MC, Rotterdam.*

### **15.30-16.00 hr Tea and coffee break**

### **16.00-16.45 hr. Honorary Lecture.**

\* Mechanisms of airway hyperresponsiveness and remodeling in guinea pig models of asthma and COPD. How do they translate to human disease?

Herman Meurs, *Pharmacology, Groningen University, Groningen.*

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