

08:30 - 09:00

Registration and welcome coffee

Foyer - 1st fl

09:00 - 10:30

Parallel Sessions

## Scientific session 3 National Program Lung Research (NPL) 2.0

Nieuwegracht 2

### **NPL2.0 until now: update on process and progress**

*Dr. Agnes Boots, Assistant Professor Respiratory Toxicology, Maastricht University and Prof. dr. Anke-Hilse Maitland vd Zee, Amsterdam UMC*

### **Prevention of lung diseases (developments within P4O2 project)**

*Prof. dr. Anke-Hilse Maitland vd Zee, Prof Precision Medicine in Respiratory Disease, Amsterdam UMC*

### **Early origin of lung diseases**

*Dr. Niki Reynaert, Maastricht University and Prof. dr. Robbert Rottier, associate professor, department of Pediatric Surgery Erasmus Medical Center, Rotterdam*

### **Standardization of in vitro models: the lung-on-a-chip initiative**

*Prof. dr. Reinoud Gosens, University Groningen and Dr Anne van der Does, Assistant Professor, Leiden University Medical Center, Leiden*

### **In vitro models to reduce animal use in lung research (CPBT project)**

*Prof. dr. Gerard Koppelman, pediatric pulmonologist, UMCG / GRIAC*

### **Possible collaborations with Longfonds and NRS**

*Dr. Bas Holverda, Longfonds and Prof. dr. Hermelijn Smits, Host-commensal Interactions and Immune Modulation, Leiden University*

### **Interactive discussion on future NPL projects and collaborations**

*Moderator: Prof. dr. Anke-Hilse Maitland vd Zee, Prof Precision Medicine in Respiratory Disease, Amsterdam UMC*

## Scientific session 4 Career Development in the respiratory field

Oudegracht 2

*Chairs: Mieke Metzemaekers, Erasmus MC, Rotterdam and Dr. Rosanne Beijers, Maastricht University*

### **25 years of entrepreneurship in Life Sciences, lessons learned**

*Dr. Henk Viëtor, Chief Medical Officer, DC4U*

### **Bridging the Gap: Communicating Science in Layman's Terms**

*Marlijn Klerk, Online content specialist, Longfonds*

### **Building a career in science communication**

*Stephan van Duin, Sr. Advisor Science Communication, Directorate Marketing & Communication, UMC Utrecht*

10:30 - 11:00

Coffee Break

Nieuwegracht 1 & Oudegracht 2

11:00 - 12:30

Poster viewing and discussion with presenters

Nieuwegracht 1 & Oudegracht 2

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**11:00 – 12:30**      **Poster viewing and discussion with presenters**  
From 11.00 – 11.45 CEST: Even numbered posters  
From 11.45 – 12.30 CEST: Odd numbered posters

Nieuwegracht 1 & Oudegracht 2

Nieuwegracht 1	<b>P01 – P012: Respiratory Infections and Cystic Fibrosis</b>
Nieuwegracht 1	<b>P13 – P24: Modeling and monitoring lung diseases</b>
Oudegracht 1	<b>P25 – P35: COPD</b>
Oudegracht 1	<b>P36 – P46: Asthma and Breathlessness</b>

**12:30 - 13:30**      **Lunch break, exhibition, poster viewing**

Nieuwegracht 1 & Oudegracht 2

**12:30 – 13:30** **GSK SPARROW Award Event**

Nieuwegracht 2

O07 - Multipotent adult progenitor cells prevent functional impairment and improve development in inflammation-driven detriment of preterm ovine lungs

*Sophie Neuen, Department of Pediatrics, Maastricht University Medical Center+, MosaKids Children's Hospital Maastricht and GROW Research Institute for Oncology and Reproduction, Maastricht University, Maastricht*

O08 - Radiological assessment of bronchial and arterial dimensions and mucus plug presence in 640 bronchiectasis patients: insights from the EMBARC registry

*Yuxin Chen, Erasmus MC, Rotterdam*

O09 - Detecting the Onset and Peak of symptoms of exacerbations of COPD by analysing speech

*Loes van Bommel, Department of Respiratory Medicine, Institute of Nutrition and Translational Research in Metabolism (NUTRIM), Maastricht University, the Netherlands*

O10 - Detection of antibiotic susceptibility in sputum samples from adult people with cystic fibrosis using shotgun metagenomics and machine learning

*Sonja van Scheijen, Department of Pulmonary Medicine, Amsterdam UMC – location AMC, Amsterdam, the Netherlands*

**13:30 - 15:00**      **Parallel Sessions**

**Scientific session 5 Pulmonary disorders: transition from childhood to adulthood**

Nieuwegracht 2

*Chairs: Dr. Sami Simons, MUMC+ and Dr. Lilly Verhagen, University Medical Center Utrecht*

**Congenital pulmonary disorders in adulthood**

*Dr. Lieke Kamphuis, Pulmonologist, Erasmus MC, Rotterdam*

**The Global RSV vaccine landscape**

*Dr. Natalie Mazur, Pediatric Resident, St Antonius Hospital/ Postdoc Wilhelmina Children's Hospital, Utrecht*

**Lung Function of Preterm Children Parsed by a Polygenic Risk Score for Adult COPD**

*Prof. dr. Markus Weckmann, Deputy Head of Department Pediatric Pneumology & Allergology/ Joint Professor for Epigenetics in Pneumology, Leibniz Lung Center, Research Center Borstel & The University of Lübeck, University Medical Center Schleswig-Holstein, Campus Centrum Lübeck, Germany*

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**Scientific session 6 Novel cell types in lung diseases**

Oudegracht 2

*Chairs: Dr. Stefan Prekovic, UMCU and Dr. Niki Reynaert, Maastricht University*

**Using patient-derived pluripotent stem cells to understand alveolar epithelial cell state and model pulmonary fibrosis**

*Prof. Killian Hurley, Associate Professor, RCSI, Consultant Respiratory Physician, Beaumont Hospital/ HRB Emerging Clinical Scientist, Ireland*

**Childhood-onset asthma is characterized by airway epithelial hillock-to-squamous differentiation in early life**

*Dr. Elin Kersten, Pediatric Pulmonologist, University Medical Center Groningen*

**Distinct roles for SOX2 and SOX21 in airway epithelial differentiation**

*Prof. dr. Robbert Rottier, associate professor, department of Pediatric Surgery Erasmus Medical Center, Rotterdam*

**15:00 - 15:15**      **Coffee break, exhibition, poster viewing**

Nieuwegracht 1 & Oudegracht 2

**15:15 – 16:15**      **Plenary Session - Metabolome & immune system intersection**

Nieuwegracht 2

*Chairs: Prof dr. Pieter Hiemstra, Leiden University Medical Center and Dr. Marieke Overbeek, Haaglanden Medisch Centrum*

**Host-commensal interactions shape mucosal immune responses**

*Prof. dr. Hermelijn Smits, Host-commensal Interactions and Immune Modulation, Leiden University*

**Metabolism and the Brain: the role of tryptophan and fatty acid metabolism in tuberculous meningitis mortality**

*Dr. Arjan van Laarhoven, Researcher / Internal Medicine, Radboudumc, Nijmegen*

**16:15 - 17:00**

**Awards Ceremony & Closing**

NRS Swierenga Medal Award

Longfonds Sterk Participatie Prijs

DLC Poster Awards – supported by Stichting Astma Bestrijding

Impact Statement Award

GSK SPARROW Award

Chiesi Young Investigator Award

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