SAVE THE DATE: International Symposium
November 12 and 13, 2020
"Experimental Medicine in Lung Disease"

Event location:
Clinical Research Center Hannover
Feodor-Lynen-Straße 15
30625 Hannover, Germany

If you have any questions, please contact Elisa Reder
elisa.reder@item.fraunhofer.de

Registration will soon be possible on this website:
https://www.item.fraunhofer.de/20-years
Twenty years of clinical research at Fraunhofer ITEM is a great opportunity to discuss current topics in clinical lung research with internationally renowned experts. Please save the date for November 12 and 13 for our symposium "Experimental Medicine in Lung Disease - 20 years Clinical Research Fraunhofer ITEM".

Prof. Dr. Norbert Krug and Prof. Dr. Jens Hohlfeld would like to welcome you with the following preliminary program:

**Thursday, November 12th (afternoon)**

**Challenge is a challenge**

*Allergen Challenge Chambers – Current status, novel concepts and future needs.* Prof. Dr. Oliver Pfaar, Department of Otorhinolaryngology, Head and Neck Surgery, University Hospital Marburg, Germany

*Allergen-induced skin changes in the allergen challenge chamber – A model for atopic dermatitis flare-up.* Prof. Dr. Thomas Werfel, Immunodermatology and Experimental Allergology, Hannover Medical School, Hannover, Germany

*Use and predictivity of inhaled allergen challenge.* Prof. Dr. Gail Gauvreau, Faculty of Health Sciences at McMaster University, Hamilton, Canada

*Development of an inhaled GATA-3 DNAzyme – translation from academic research into clinical development.* Prof. Dr. Harald Renz, Institute of Laboratory Medicine and Pathobiochemistry, Molecular Diagnostics, Philipps University Marburg, Germany

*Endotoxin challenge for early phase proof-of-concept.* Prof. Dr. Jens Hohlfeld, Fraunhofer ITEM and Hannover Medical School, Hannover, Germany

*Rhinovirus challenges contributing to health and disease.* Prof. Dr. Rene Lutter, University of Amsterdam Medical Center, Amsterdam, Netherlands

*Environmental challenges – insights from the outside.* Prof. Dr. Norbert Krug, Fraunhofer ITEM, Hannover, Germany

*Harnessing environmental challenges in space.* Prof. Dr. Jens Jordan, Institute of Aerospace Medicine, DLR, Cologne, Germany

**Evening event (7pm)**

**Friday, November 13th (from 8:30 AM to 1:30 PM)**

**You can measure it, see it, get it, nebulize it**

*Exhaled Particle Size Index – From bench to bedside.* Dr. Katharina Schwarz, Fraunhofer ITEM, Hannover, Germany

*Multinuclear functional lung magnetic resonance imaging - seeing is believing.* Prof. Dr. Jens Vogel-Clausen, Department of Interventional and Diagnostic Radiology, Hannover Medical School, Hannover, Germany

*Facial thermography to study PK/PD relations in patients with seasonal allergic rhinitis.* Dr. Michael Larbig, Clinical Pharmacology and Translational Development, CSL Behring, Bern, Switzerland

*Sputum analysis – first generation experience and next generation chipycytometry to understand airway inflammation.* Dr. Olaf Holz, Fraunhofer ITEM, Hannover, Germany

*Blotting and Scraping the Airways: Prospect for Precision Medicine for Airways Disease.* Prof. Dr. Trevor Hansel, Imperial Clinical Respiratory Research Unit (ICRRU), St Mary's Hospital, London, UK

*Inhaled recombinant SP-C surfactant – novel device and clinical development for an old drug.* Dr. Gerhard Pohlmann, Fraunhofer ITEM, Hannover, Germany

**What did we learn about lung disease**

*Role of airway basal cells in chronic lung diseases.* Prof. Dr. Antje Prasse, Clinical and Translational Fibrosis Research, Fraunhofer ITEM and Department of Respiratory Medicine, Hannover Medical School, Hannover, Germany

*Data-driven phenotypes of (severe) asthma: U-BIOPRED.* Prof. Dr. Peter J. Sterk, University of Amsterdam Medical Center, Amsterdam, Netherlands

*Big data in lung research: from GWAs to systems medicine.* Prof. Dr. Thomas Illig, Hannover Unified Biobank and Institute for Human Genetics, Hannover Medical School, Hannover, Germany

*Innate lymphoid cells (ILC) 2 – Allergen-induced activation and migration to the lungs.* Dr. Carla Winkler, Research and Early Development - Respiratory, Inflammation and Autoimmune, AstraZeneca, Mölndal, Sweden

*Development of asthma treatments – past, presence and future.* Prof. Dr. Veit Erpenbeck, Therapeutic Area Respiratory, Roche Pharma Research & Early Development, Basel, Switzerland