

# Bisherige Vorlesungen 2022

20. April, 15:00 – 16:30

Single cell RNA-seq in ILD - from recent discoveries to new therapeutic approaches

15:00 Speaker Introduction

Nataliia Artyisch (PhD candidate, DZL Academy Fellow at BREATH)

**15:05 Clinical aspects of interstitial lung disease**

Jonas Schupp (Dr. med., DZL PI, BREATH)

**15:25 Towards a single cell roadmap to pulmonary fibrosis therapeutics**

Naftali Kaminski (Professor of Medicine, MD, Yale School of Medicine, USA)

15:45 Q&A

Chair: Nataliia Artyisch (PhD candidate, DZL Academy Fellow at BREATH)

**16:00 Endothelial single cell biology in health and lung fibrosis**

Jonas Schupp (Dr. med., DZL PI, BREATH)

16:20 Q&A

Chair: Da-Hee Park (Dr. med., DZL Academy Fellow at BREATH)

27. July, 15:00

## Lung injury and repair after viral infections: Implications for future therapy

### **1. Macrophage (re-)programming in viral pneumonia: Role in lung injury and stem-cell-mediated repair**

Prof. Dr. Susanne Herold (Professor for Pulmonary Infections at UGMLC)

### **2. Lung endothelial barrier failure in ARDS, pneumonia and COVID-19 – pathomechanisms and potential therapeutic targets**

Prof. Dr. Wolfgang Kübler (Director of the Institute of Physiology, Charité - Berlin)

19. September, 15:00

## Lung Cancer: a paradigm for applied technological advances to serve precision medicine

### **1. Translational Research: 40 years' worth of experiences moving science from the bench to 1st in human clinical trials of immunotherapy and gene therapy**

Dr. Bernard Fox (Chair of the Molecular and Tumor Immunology Laboratory at Providence Cancer Institute, Oregon, USA)

### **2. Challenges in daily clinical practice - which multimodal therapy concept is appropriate?**

Dr. med. Laura Klotz (Clinician Scientist, Thorax Clinic, Heidelberg)

### **3. High-throughput characterization of the TP53 mutome using saturating CRISPR mutagenesis as tool for precision medicine?**

Juliane Funk (PhD student, University of Marburg)