

## “Fundamentals of Lung Biology and Physiology”

**Monday, 18<sup>th</sup> of October 2021**

<https://global.gotomeeting.com/join/903325317>

09:00 – 10:00 Introduction - Research School Program 2020/21  
*Claudia Staab-Weijnitz*

10:00 – 12:00 Lung Structure and Function  
*Georgios Stathopoulos*

12:00 – 13:00 Break

13:00 – 13:30 Lung Structural Cells I: Alveolar and Bronchial Epithelial Cells  
*Claudia Staab-Weijnitz*

13:30 – 14:00 Lung Structural Cells II: Endothelial Cells and Fibroblasts  
*Gerald Burgstaller*

14:00 – 14:30 Lung Immune Cells I: Monocytes, Macrophages, DCs, and Neutrophils  
*Isis Fernandez*

14:30 – 15:00 Break

15:00 – 15:30 Lung Immune Cells II: T and B Lymphocytes  
*Tom Conlon*

15:30 – 16:30 Lung Development and Neonatal Lung Disease  
*Anne Hilgendorff*

16:30 – 17:00 Break

17:00 – 18:00 Asthma & Allergy  
*Bianca Schaub*

**Tuesday, 19<sup>th</sup> of October 2021**

<https://global.gotomeeting.com/join/354598069>

09:00 – 10:30 Lung Cancer

*Georgios Stathopoulos*

10:30 – 11:30 Chronic Lung Diseases: COPD, IPF

*Claudia Staab-Weijnitz*

11:30 – 12:30 Break

12:30 – 13:00 Lung Infection

*Heiko Adler*

13:00 – 14:00 Clinical Diagnosis of Chronic Lung Disease

*Kathrin Kahnert*

14:00 – 14:30 Break

14:30 – 15:30 Cystic Fibrosis and other Monogenetic Lung Diseases

*Matthias Griese*

15:30 – 17:30 Research Ethics & Good Scientific Practice

*Matthias Wjst*

**Wednesday, 20<sup>th</sup> of October, 2021**

<https://global.gotomeeting.com/join/288506093>

09:00 – 10:00 Introduction to Epidemiology - Focus on Air Pollution and Lung Disease

*Stefan Karrasch*

10:00 – 10:45 Science Communication – Theory and Practice

*Doris Hammerschmidt*

10:45 – 11:00 Break

11:00 – 12:00 Environmental Challenges for the Lung

*Tobias Stöger*

12:00 – 13:00 Break

13:00 – 14:00 Aerosol Deposition in the Lung and (Pre-) clinical Inhalation Techniques

*Otmar Schmid*

14:00 – 15:00 Prerequisites for Experimental Animal Work/ Animal Welfare

*Heiko Adler*

15:00 – 15:15 Break

15:15 – 15:45 Introduction/Instructions “Methods in Translational Lung Research”

*Claudia Staab-Weijnitz*