

Fundamentals of Lung Biology and Physiology

November 05, 2019

- 09:00 – 10:00 Introduction - Research School Program 2019/20
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 Lung Immune Cells II: T and B Lymphocytes
Tom Conlon
- 15:00 – 15:30 Break
- 15:30 – 16:30 Lung Development and Neonatal Lung Disease
Anne Hilgendorff

November 06, 2019

- 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
Katrin Milger-Kneidinger
- 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
Silke Meiners, Matthias Wjst

November 07, 2019

08:30 – 09:15 Asthma & Allergy
Bianca Schaub

09:15 – 10:15 Introduction to Epidemiology - Focus on Air Pollution and Lung Disease
Stefan Karrasch

10:15 – 10:30 Break

10:30 – 11:30 Environmental Challenges for the Lung
Tobias Stöger

11:30 – 12:30 Aerosol Deposition in the Lung and (Pre)clinical Inhalation Techniques
Otmar Schmid

12:30 – 13:30 Break

13:30 – 14:30 Prerequisites for Experimental Animal Work/ Animal Welfare
Heiko Adler

14:30 – 15:00 Introduction/Instructions “Methods in Translational Lung Research”
Claudia Staab-Weijnitz

15:00 – 15:15 Break

15:15 – 17:00 Mini-Workshop: Science Communication
Antje Brand, Doris Hammerschmidt