

Fundamentals of Lung Biology and Physiology

January 15, 2018

- 09:00 – 10:00 Introduction - Research School Program 2018
Doreen Franke, Claudia Staab-Weijnitz
- 10:00 – 11:30 Lung Structure and Function
Georgios Stathopoulos
- 11:30 – 11:50 Break
- 11:50 – 12:20 Lung Structural Cells I: Alveolar and Bronchial Epithelial Cells
Andrea Schamberger
- 12:30 – 13:30 Lunch Break
- 13:30 – 14:00 Lung Immune Cells I: Monocytes, Macrophages, DCs, and Neutrophils
Isis Fernandez, Flavia Greiffo
- 14:00 – 14:30 Lung Immune Cells II: T and B Lymphocytes
Tom Conlon
- 14:30 – 15:30 Good Scientific Practice
Dieter Jenne
- 15:30 – 16:00 Break
- 16:00 – 17:00 Bad scientific practice. How to speed up your career. Or destroy it.
Matthias Wjst
- 17:00 – 18:00 Prerequisites for Experimental Animal Work/ Animal Welfare
Heiko Adler

January 16, 2018

- 09:00 – 10:00 Lung Development and Neonatal Lung Disease
Kai Förster, Prajakta Oak
- 10:00 – 11:00 Chronic Lung Diseases: COPD, IPF
Ilona Kammerl, Vanessa Welk
- 11:00 – 11:15 Break

- 11:15 – 12:30 Lung Cancer
Georgios Stathopoulos
- 12:30 – 13:30 Lunch Break
- 13:30 – 14:30 Asthma
Ulrich Zissler
- 14:30 – 15:30 Proteases in Chronic Lung Disease
Dieter Jenne
- 15:30 – 16:00 Break
- 16:00 – 16:30 Lung Infection
Heiko Adler
- 16:30 – 17:00 Clinical Diagnosis of Chronic Lung Disease
Nikolaus Kneidinger, Katrin Milger
- 17:00 Get-together

January 17, 2018

- 09:00 – 10:00 Environmental Challenges for the Lung
Tobias Stöger
- 10:00 – 11:00 Introduction to Epidemiology - Focus on Air Pollution and Lung Disease
Stefan Karrasch
- 11:00 – 11:20 Break
- 11:20 – 12:00 Aerosol Deposition in the Lung and (Pre)clinical Inhalation Techniques
Otmar Schmid
- 12:00 – 13:00 Lunch Break
- 13:00 – 13:30 Lung Structural Cells II: Endothelial Cells and Fibroblasts
Gerald Burgstaller
- 13:30 – 14:00 Repair and Regeneration
Herbert Schiller
- 14:00 Introduction/Instructions “Methods in Translational Research”
Doreen Franke, Claudia Staab-Weijnitz