



2015 TLRC LUNG CONFERENCE

4TH DZL INTERNATIONAL SYMPOSIUM
„FRONTIERS IN CHRONIC AND MALIGNANT
AIRWAYS DISEASE“

CONFERENCE PROGRAM, INCL. ABSTRACTS

JUNE 25 - 27, 2015

HEIDELBERG, GERMANY



SCIENTIFIC PROGRAM

THURSDAY, 25TH JUNE 2015

WELCOME ADDRESS

13:15 – 13:45 Wolfgang Herzog, Dean, Medical Faculty Heidelberg
Werner Seeger, Chairman, German Center for Lung Research (DZL)
Marcus A. Mall, Director, Translational Lung Research Center Heidelberg (TLRC)

KEYNOTE LECTURE

Chairperson: Marcus Mall (Heidelberg, Germany)

13:45 – 14:30 **Mucociliary Dysfunction as a Disease Mechanism and Therapeutic Target in Chronic Airways Disease**
Richard C. Boucher (Chapel Hill, NC, US)

14:30 – 15:00 **COFFEE BREAK**

PLENARY SESSION I: CYSTIC FIBROSIS MEETS COPD

Chairpersons: Burkhard Tümmler (Hannover, Germany), Klaus Rabe (Großhansdorf, Germany)

15:00 – 15:30 **CFTR Modulators: Progress and Remaining Challenges**
Margarida D. Amaral (Lisbon, Portugal)

15:30 – 15:45 **Intestinal Current Measurements Detect Activation of Mutant CFTR in Cystic Fibrosis Patients with the G551D Mutation Treated with Ivacaftor**
Simon Gräber (Heidelberg, Germany)

15:45 – 16:15 **Alternative Chloride Channels: Therapeutic Targets in CF and other Chronic Airways Diseases?**
Luis J. Galiotta (Genoa, Italy)

16:15 – 16:45 **Acquired CFTR Dysfunction in COPD and Chronic Bronchitis: A New Therapeutic Target**
Steven M. Rowe (Birmingham, AL, US)

16:45 – 17:00 **Acute Cigarette Smoke Accelerate Chronic Bronchitis Development in ENaC Overexpressing Newborn-Mice**
Jie Jia (Munich, Germany)

17:00 – 18:30 **POSTER SESSION I – BALLSAL / Drinks will be served in the Foyer**

From 19:00 **SPEAKER RECEPTION (CLOSED SESSION)**

End of Proceedings for Day 1

FRIDAY, 26TH JUNE 2015

PLENARY SESSION II: MUCUS AND THE MICROBIOME

Chairpersons: Heinz Fehrenbach (Borstel, Germany), Alexander Dalpke (Heidelberg, Germany)

09:00 – 09:30 **Mucus in Chronic Airways Disease** David J. Thornton (Manchester, United Kingdom)

09:30 – 10:00 **Mucus – Pathogen Interaction in Cystic Fibrosis** Gunnar C. Hansson (Gothenburg, Sweden)

10:00 – 10:30 **Lung Microbiota in CF and Bronchiectasis** J. Stuart Elborn (Belfast, United Kingdom)

10:30 – 10:45 **Longitudinal Dynamics of Cystic Fibrosis Airways** Sebastien Boutin (Heidelberg, Germany)

10:45 – 11:00 **Normalization and Calibration in the Metagenomic Analysis of CF Lung Microbiomes**
Lutz Wiehlmann (Hannover, Germany)

11:00 – 11:30 **COFFEE BREAK**

HOT TOPICS IN LUNG IMAGING

Chairpersons: Matthias Ochs (Hannover, Germany), Hans Ulrich Kauczor (Heidelberg, Germany)

11:30 – 12:30 **Novel Imaging Methodologies Applied to Translational Lung Research** Eric A. Hoffman (Iowa City, IA, USA)

12:30 – 14:00 **POSTER SESSION II – BALLSAL / Fingerfood Lunch**

PLENARY SESSION III: MOLECULAR AND CELL BIOLOGY OF LUNG DISEASES

Chairpersons: Claus Vogelmeier (Marburg, Germany), Norbert Weissmann (Giessen, Germany)

14:00 – 14:30 **Mechanisms of Cigarette Smoke-Induced Inflammation in COPD** Guy Brusselle (Gent, Belgium)

14:30 – 15:00 **MicroRNA Dysregulation in Rare Lung Diseases** Catherine M. Greene (Dublin, Ireland)

15:00 – 15:15 **Dysregulation of Epithelial miR-148b Contributes to Goblet Cell Metaplasia, Inflammation and Alveolar Damage in Cystic Fibrosis Lung Disease** Raman Agrawal (Heidelberg, Germany)

15:15 – 15:45 **New Insights into the Molecular Pathogenesis of IPF** Michael F. Beers (Philadelphia, PA, USA)

15:45 – 16:00 **Lung Aging in C57/Bl6 and BALB/c Mice is Characterized by Defects in Surfactant Metabolism, Increased ER Stress-Signaling and Inflammasome Formation** Martina Korfei (Giessen, Germany)

16:00 – 16:30 **COFFEE BREAK & GROUP PHOTO**

16:30 – 18:30 **POSTER SESSION III - HÖLDERLIN-SAAL**

From 19:30 **CONFERENCE DINNER AT HEIDELBERG CASTLE (Ticket Required)**

SCIENTIFIC PROGRAM

SATURDAY, 27TH JUNE 2015

PLENARY SESSION IV: LUNG CANCER

Chairpersons: Martin Reck (Grosshansdorf, Germany), Thorsten Stiewe (Marburg, Germany)

09:00 – 09:30 **Exploring the Complexity of Lung Cancer Genome Evolution**
Nicholas McGranahan (London, United Kingdom)

09:30 – 10:00 **Modelling Chromosomal Instability in Lung Cancer**
Rocio Sotillo (Heidelberg, Germany)

10:00 – 10:15 **The Influence of EFG/HGF Receptor Abundance on Therapy Resistance in NSCLC Cell Lines**
Florian Salopiata (Heidelberg, Germany)

10:15 – 10:45 **Imaging Immune Cell Trafficking and Inflammatory Response using MRI**
Eric T. Ahrens (San Diego, CA, USA)

10:45 – 11:00 **Sequential Dynamic PET and Dynamic MR Imaging in N-staging of Lung Cancer Patients**
Paul Flechsig (Heidelberg, Germany)

11:00 – 11:30 **COFFEE BREAK**

HOT TOPIC SYSTEMS MEDICINE

Chairperson: Ursula Klingmüller (Heidelberg, Germany), Bernd Schmeck (Marburg, Germany)

11:30 – 12:30 **Genomic Views of Both Sides of the Epithelial Barrier in Chronic Lung Diseases**
William Cookson (London, United Kingdom)

12:30 – 12:45 **CLOSING REMARKS**

