

Welcome to the 5th Annual Retreat

of the

International Graduate Program

“Molecular Biology and Medicine of the Lung”

(MBML)



Rauischholzhausen,
July 9 - 11, 2007

MONDAY, 09.07.2007

Up to 09:00

Arrival at the Castle of Rauschholzhausen, Registration

09:30 – 10:30:

Welcome and Introduction: Werner Seeger, Oliver Eickelberg, Rory Morty

Opening Lecture: MBML Retreat 2007

JAHAR BHATTACHARYA (Columbia University, New York City, NY)

“TBA”

10:30 - 11:30

Student Presentations:

VASCULAR AND INTERSTITIAL REMODELLING

12:00 -13:30

Lunch

13:30 - 15:00: Invited Speakers

PETER LLOYD JONES (University of Pennsylvania, Philadelphia, USA)

“Context messaging in lung vascular development and disease”

ALVAR AGUSTI (Universal Hospital Son Dureta, Palma de Mallorca, Spain)

“Chronic obstructive pulmonary disease: a systemic disease”

15:00 - 16:00

Coffee Break

16:00 - 17:30

Student Presentations:

PULMONARY FIBROSIS

18:00 - 19:30

Buffet Dinner

19:30 – 20:15: After Dinner Lecture

STEPHEN ARCHER (University of Chicago, Chicago, USA)

“A historical perspective on pulmonary hypertension”

After 20.15

Drinks, Chat

TUESDAY, 10.07.2007

07:30 - 09:00

Breakfast

09:00 - 10:00

Student Presentations:

LUNG INJURY AND INFLAMMATION

10:00 - 10:30

Coffee Break

10:30 - 12:00: Invited Speakers

GEORGE LEIKAUF (University of Pittsburgh Medical Center, Pittsburgh, PA, USA)

“TBA”

FAN CHUNG (Imperial College, London, UK)

“Inflammatory mediators in chronic obstructive pulmonary disease”

12:00 - 13:30

Lunch

13:30 - 15:00

Student Presentations:

DEVELOPMENT AND PROGENITOR CELLS

15:00 - 17:00

Coffee Break

Meet-the-Professor-Sessions (MBML students, see announcements)

17:00 - 18:30: Evening Lectures

GEOFFREY LAURENT (University College London, London, UK)

“Mechanisms of matrix deposition in lung fibrosis”

WALTER BIRCHMEIER (Max-Delbrück Zentrum, Berlin, Germany)

“Wnt signaling in development and disease”

18:30 - till you drop!

Barbecue Dinner and Social Program

WEDNESDAY, 11.07.2007

07:30 - 09:00

Breakfast

09:00 - 10:00

**Student Presentations:
THE LUNG EPITHELIUM**

10:00 - 10:30

Coffee Break

10:30 - 12:00: Invited Speakers:

JEANINE d'ARMIENTO (Columbia University, New York City, NY)
"TBA"

YVES BERTHIAUME (University of Montreal, Quebec, Canada)
"TBA"

12:00 - 13:30

Lunch

around 14:00

Bus departure from Rauschholzhausen to Giessen
Meeting Point: Parking Lot of the Castle 14:15

A) VASCULAR AND INTERSTITIAL REMODELING

MONDAY, 10:30 - 11:30

Chairs:

10:30 - 10:45: [Karsten grosse Kreymborg](#) (PI: Ardeschir Ghofrani)

“Right ventricular remodeling in mice”

10:45 - 11:00: [Eva Dony](#) (PI: Ralph T. Schermuly)

“Pulmonary emphysema in mice and men”

11:00 - 11:15: [Wiebke Bielenberg](#) (PI: Daniel Sedding)

“Altered miRNA profiles in atherosclerosis and restenosis”

11:15 - 11:30: [Sven Becker](#) (PI: Robert Voswinkel)

“Stem cell differentiation in experimental pulmonary hypertension”

B) PULMONARY FIBROSIS

MONDAY, 16:00 - 17:30

Chairs:

16:00 - 16:15: [Sevdalina Nikolova**](#) (PI: Ralph T. Schermuly)

“Role of cGMP Phosphodiesterases in Idiopathic Pulmonary Fibrosis”

16:15 - 16:30: [Ewa Jablonska](#) (PI: Klaus Preissner)

“Role of intrinsic coagulation pathways in the pathogenesis of lung fibrosis”

16:30 - 16:45: [Sergey Udalov**](#) (PI: Ralph T. Schermuly)

“Phosphodiesterase 4 inhibitors in bleomycin-induced lung fibrosis”

16:45 - 17:00: [Izabella Chrobak](#) (PI: Oliver Eickelberg)

“Differential expression of the TGF- β type I receptor ALK1 in lung fibrosis”

17:00 - 17:15: [Ewa Kolosionek**](#) (PI: Ralph T. Schermuly)

“Phosphodiesterase activity is required for TGF- β -induced epithelial-mesenchymal transition in lung fibrosis”

17:15 - 17:30: [Teodora Cornitescu](#) (PI: Ralph T. Schermuly)

“Establishment and characterization of a rat model of bleomycin-induced lung fibrosis”

C) LUNG INJURY AND INFLAMMATION

TUESDAY, 09:00 - 10:00

Chairs:

09:00 - 09:15: [Zbigniew Zaslona](#) (PI: Jürgen Lohmeyer)

“Transcriptional profiling of mouse monocytes, macrophages, and dendritic cells”

09:15 - 09:30: [Zbigniew Mikulski](#) (PI: Wolfgang Kummer)

“Nicotinic receptors on rat alveolar macrophages”

09:30 - 09:45: [Lidija Cakarova](#) (PI: Jürgen Lohmeyer)

“Macrophage-epithelial crosstalk during alveolar differentiation and repair in pulmonary inflammation”

09:45 - 10:00: [Victor Malec](#) (PI: Jörg Hänze)

“Identification of potential NOX1 and NOX4 proteins”

D) PULMONARY VASCULAR DISEASE

TUESDAY, 13:30 - 15:00

Chairs:

13:30 - 13:45: [Xia Tian**](#) (PI: Ralph T. Schermuly)

”Contribution of phosphodiesterase 10A to the pathogenesis of pulmonary hypertension”

13:45 - 14:00: [Dariusz Zakrzewicz](#) (PI: Oliver Eickelberg)

“Analysis of protein arginine methylation in idiopathic pulmonary arterial hypertension”

14:00 - 14:15: [Piotr Sklepkiwicz**](#) (PI: Ralph T. Schermuly)

“GSK-3 β signalling in pulmonary hypertension”

14:15 - 14:30: [Isabel Laumanns](#) (PI: Robert Voswinkel)

”Wnt signaling in pulmonary hypertension”

14:30 - 14:45: [Michael Seimetz](#) (PI: Norbert Weissmann)

”Characterization of NADPH oxidases in pulmonary hypertension and COPD”

14:45 - 15:00: [Alexandra Tretyn](#) (PI: Ralph T. Schermuly)

“EGF receptors in the progression of pulmonary hypertension”

E) THE LUNG EPITHELIUM
WEDNESDAY, 09:00 - 10:00

09:00 - 09:15: [Mike Althaus](#) (PI: Rory E. Morty)
“Regulation of ion transport in lung epithelia”

09:15 - 09:30: [Oana Raluca Domnisoru](#) (PI: Jörg Hänze)
“TIA stress granules formation after different types of stress affects cellular responses”

09:30 - 09:45: [Nisha Balsara](#) (PI: Oliver Eickelberg)
“Wnt-induced changes in gene expression profiles in alveolar epithelial cells”

09:45 - 10:00: [Jing Zhang](#) (PI: Ralph T. Schermuly)
“Expression and therapeutic targeting of tyrosine kinases in lung cancer”

** Current Altana sponsored students

INTRODUCTION SCHEDULE

INVITED SPEAKERS:

ENJOY IT!