

**Monday, 04.08.2003**

**At 10:00**

Bus Departure to Rauschholzhausen  
Meeting Point: Main Gate to Hospital Area, Gaffkystrasse, at 09:45 a.m.

**Up to 11:30**

Arrival at the Castle of Rauschholzhausen

**12:00 -13:30**

Get Together and Lunch

**13:30 -15:30**

Student Presentations 1:

**Cellular Signaling**

**15:30 – 16:00**

Coffee Break

**16:00 – 17:00**

Student Presentations 2:

**Non-Mammalian Systems**

**17:00 – 18:00**

Guest Speaker: **Petra Knaus, Biocenter, University of Würzburg**  
**“TGF- $\beta$  and BMP Signaling”**

**18:00 – 19:30**

Dinner

**19:30 – 20:00**

**Company Presentation: Christian Schudt, ALTANA Pharma**  
**“Research Focus of Therapeutic Area Inflammation at ALTANA Pharma”**

**20:00 – till you drop!**

Social Party

**Tuesday, 05.08.2003**

**07:00 - 08:30**

Breakfast

**08:30 – 10:30**

Student Presentations 3:

**Lung Pathophysiology & Anatomy**

**10:30 – 11:00**

Coffee Break

**11:00 – 12:00**

**Guest Speaker: Heinz Fehrenbach, Department of Medicine, University of Marburg**  
**"Why you may consider to study lung morphology"**

**12:00 – 13:00**

Lunch

**13:00 – 15:00**

Student Presentations 4:

**Molecular Biology of the Lung**

**15:00 – 16:00**

Coffee Break

Meet-the-Professor-Sessions (MBML students, see accompanying page)

**16:00 – 17:00**

External Student Presentations

**17:00 – 18:00**

**Guest Speaker: Michael Martin, Department of Immunology, University of Giessen**  
**"Novel anti-inflammatory strategies: Targeting the Interleukin-1 receptor system"**

**Tuesday, 05.08.2003**

**18:00 – 19:30**

Dinner

**19:30 – 20:30**

**Guest Speaker: Teresa Jones, National Institutes of Health, Bethesda, MD**  
**“Lipid Rafts, Acylation, and G-protein Signaling”**

**20:30 – till you drop!**

Social Party

**Music: Psalteria, Prague**

**Wednesday, 06.08.2003**

**07:00 - 08:30**

Breakfast

**08:30 – 09:30**

**Guest Speaker: Michael Yeager, Department of Medicine, University of Giessen  
“The Pulmonary Vasculature: Biology and Pathobiology”**

**09:30 – 11:00**

Presentations by MBML “Newcomers”

**11:00 - 11:15**

Coffee break

**11:15 – 12:30**

Presentations by MBML “Newcomers”

**12:30 – 13:30**

Resume and MBML Thinktank:  
“The Future”

**13:30 – 14:30**

Lunch

**At 15:00**

Bus departure from Rauschholzhausen to Giessen  
Meeting Point: Parking Lot of the Castle 14:45

## Student Presentations Schedule

### Cellular Signaling

Monday, 04.08.2003

**Chairs: Grazyna Kwapiszewska & Chevooru S. Krishnaveni**

13:30 - 13:50: Lokesh V. Battula\*\*

“Identification and characterization of a novel Smad8 isoform”

13:50 - 14:10: Stefanie Krick\*\*

”Analysis of hypoxic signaling pathway in vascular cells”

14:10 - 14:30: Eun-Sook Cha

“Profiling the transcriptional response to BMP-4 in endothelial and smooth muscle cells”

14:30 - 14:50: Parag Goyal\*\*

“NAD(P)H-Oxidases: Potential O<sub>2</sub>-sensors within the lung”

14:50 - 15:10: Chevooru S. Krishnaveni\*\*

“Analysis of TGF- $\beta$ /BMP receptor complexes on live cells by bioluminescence resonance energy transfer (BRET)”

15:10 - 15:30: Martina Merfels\*\*

“Lipids, lipid signaling and their impact on inflammatory disorders of the pulmonary circulation”

### Non-Mammalian Systems

Monday, 04.08.2003

**Chairs: Lokesh V. Battula & Monique Bate Akoachere**

16:00 - 16:20: Marco Trujillo

“The role of ROI in the nonhost interaction of barley and wheat with the inappropriate formae speciales of *Blumeria graminis*”

16:20 - 16:40: Leigh Matthew Marsh

“Evaluation and optimization of a bacterial transfer system for Gene- and Immunotherapy”

16:40 - 17:00: Monique Bate Akoachere

“The Glyoxalase system of the malaria parasite *P. falciparum*”

**Chairs: Stefanie Krick & Mrigank Srivastava**

08:30 - 08:50: **Anne Sophie Seliger\*\***

“Regulation of the surfactant system during lung development”

08:50 - 09:10: **Mrigank Srivastava\*\***

“Regulatory gene expression of circulating and alveolar recruited monocytic phagocytes”

09:10 - 09:30: **Sebastian Schmidt\*\***

“Establishment and characterization of a mouse COPD-model using tobacco smoke”

09:30 - 09:50: **Mirko Steinmueller\*\***

“The lung inflammatory response to systemic endotoxin administration”

09:50 - 10:10: **István Vadász\*\***

“Alveolar-epithelial fluid transport under pathophysiological conditions in ventilated and perfused rabbit lung model”

10:10 - 10:30: **Malgorzata Wygrecka\*\***

“Compartmentalized regulation of haemostatic factors in the acutely inflamed lung”

**Chairs: Parag Goyal & Anka Krecisz**

13:00 - 13:20: **Soni Pulamsetti\*\***

“The role of methionine sulfoxide reductase in acute hyperoxic lung injury”

13:20 - 13:40: **Anka Krecisz\*\***

“Identification of novel interaction partners of the cytoplasmic tail of BMPRII”

13:40 - 14:00: **Oana V. Amarie\*\***

“Expression analysis of the BMP system in the lung”

14:00 - 14:20: **Som Subhra Chatterjee**

“Whole genome transcription profile of stress responses of *Listeria monocytogenes* in extracellular survival and infection”

14.20 - 14:40: **Grazyna Kwapiszewska\*\***

“Cell-specific expression profiling of the hypoxic mouse lung by laser-assisted microdissection”

**Chair: Stefanie Krick**

16:00 - 16:30: Anke Hartung

“BMP-receptor assembly in distinct plasma membrane domains”

16:30 - 17:00: Raphaela Schwappacher

“Analyses of protein-protein interaction using receptor domains”

**Chairs: Soni Pulamsetti & Eun-Sook Cha**

09:30 - 09:45: Katrin Ahlbrecht (not decided yet)

“Downregulation of protein kinase  $\zeta$  by gapmer antisense oligonucleotides sensitises A549 lung cancer cells to paclitaxel and vincristine”

09:45 - 10:00: Melissa Cudmore (Voswinckel Lab)

“Characterisation of an animal model of PAOD and production of a heterodimeric ligand capable of specifically activating the VEGFR1:VEGFR2 receptor dimer complex”

10:00 - 10:15: Riu Dumitrescu (Schermuly Lab)

“Experimental pulmonary hypertension induced by dehydromonocrotaline in mice- Riu Dumitrescu”

10:15 - 10:30: Henning Gall (Schermuly Lab)

“Anti-NB1-Antibodies prime the fMLP-dependent release of superoxide anions in human granulocytes: Possible role in TRALI”

10:30 - 10:45: Mihai Ghira (Schermuly Lab)

“New therapeutic strategies in experimental pulmonary hypertension”

10:45 - 11:00: Matthias Hecker (Eickelberg Lab)

“Novel genetic variations of the hIL-21 receptor associated with increased IgE levels in females”

11:15 - 11:30: Susanne Herold (Lohmeyer Lab)

“Recruitment of monocytes into the alveolar air space: phenotypic and functional characterization”

11:30 - 11:45: Asia Jagielska (Eickelberg Lab)

“Identification and characterization of a *Pharbitis nil* cDNA encoding a/b chlorophyll binding protein”

11:45 - 12:00: Vinko Kovacic (Weissmann Lab)

„ROS production in mouse lungs”

12:00 – 12:15: Anca Nenicu (Weissmann Lab)

„Experimental model of COPD”

12:15 – 12:30: Werner von Wulfen (Lohmeyer Lab)

“Influence of elastase on the adherence and internalization properties of uropathogenic *E. coli*”

## Introductions

<b>04.08.2003</b>	<b>17:00 - 18:00</b>	<b>Mirko Steinmüller &amp; Leigh Marsh</b>
<b>05.08.2003</b>	<b>11:00 - 12:00</b>	<b>Sebastian Schmidt &amp; Anne Sophie Seliger</b>
<b>05.08.2003</b>	<b>17:00 - 18:00</b>	<b>Oana Amarie &amp; Som Subhra Chatterjee</b>
<b>05.08.2003</b>	<b>19:30 - 20:30</b>	<b>Martina Merfels &amp; Malgorzata Wygrecka</b>
<b>06.08.2003</b>	<b>08:30 - 09:30</b>	<b>Istvan Vadasz</b>

\*\* Current Altana sponsored students