



PROGRAM

International Conference of the SFB-TR 84 and Leopoldina

Innate immunity of the lung - Improving pneumonia outcome

Time	Topic (Chair)	Speaker
Wednesday, 19-Sep-2012		
PhD-Meeting - Postgrad Courses		
13:00	CNS injury induced immunodepression syndrome: implications for lung infection	Andreas Meisel, Odilo Engel
to	Advanced (life cell) imaging in lung infection	Andreas Hocke
17:00	Mouse models of pneumonia: Tips, tricks and pitfalls	Martin Witzenrath
	Ventilator-induced lung injury in murine pneumococcal pneumonia- A clinically relevant animal model	Holger Müller-Redetzky
Thursday, 20-Sep-2012		
8:30	Opening	Norbert Suttorp (Germany)
1. Medical Needs in Pneumonia (Solbach, Lohmeyer)		
8:45	Community-acquired pneumonia – What are we missing?	Richard G Wunderink (USA)
9:15	Diagnostic and therapeutic challenges of resistant pathogens causing ventilator-associated pneumonia	Herman Goossens (Belgium)
9:45	Diagnostic and prognostic biomarker and new markers using GWAS	Stefan Krüger (Germany) Norbert Suttorp (Germany)
10:15	Coffee break	
2. First Line of Defence (Wunderink, Hippenstiel)		
10:45	Airway epithelial defenses: The mucus barrier and inducible resistance	Burton F. Dickey (USA)
11:15	Roles of inflammasomes for the recognition of pathogens and danger signals	Eicke Latz (Germany)
11:45	Toll-like receptors and lung infections	Michel Chignard (France)
12:15	Lunch / Poster Presentation and Industrial Exhibition	
3. Immune Cells (Uhlig, Goossens)		
13:45	Neutrophils and NETs in the lung	Volker Brinkmann (Germany)
14:15	Classical and alternative activation of macrophages	Siamon Gordon (UK)
14:45	Dendritic cells	Frederic Geissmann (UK)
15:15	Epithelial regulation of lung innate immunity	Tracy Hussell (UK)
15:45	Coffee break	
16:15	How immune cells scale the microbial threat	Leif E. Sander (Germany)
4. Barriers in the Lung and Barrier Disruption (Suttorp, Witzenrath)		
16:45	What can we learn from the gut epithelium in respect to antigen uptake and barrier function	Reinhard Pabst (Germany)
17:15	Molecular mechanisms that control leukocyte extravasation	Dietmar Vestweber (Germany)
17:45	Antimicrobial peptides: broad-spectrum endogenous antibiotics of the innate immune system of the lung	Pieter S. Hiemstra (The Netherlands)
18:15	Break and snacks	
19:00	Evening Lecture: Innate immunity mediated by eosinophils	Hans Uwe Simon (Switzerland)

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Friday, 21-Sep-2012

5. Damage to the Lung (Vestweber, Solbach)		
8:30	Mechanisms of ischemia-reperfusion induced lung injury - NADPH oxidases and TRP channels	Norbert Weissmann (Germany)
9:00	Extracellular nucleic acids in defense and disease	Klaus T Preissner (Germany)
9:30	Regulation of endothelial barrier function by sphingolipids	Stefan Uhlig (Germany)
10:00	Coffee break	
6. Resolution and Repair (Peters-Golden, Mayer) after lunch (Hiemstra, Preissner)		
10:30	Eicosanoids in immune suppression and infection	Derek Gilroy (UK)
11:00	Critical pathways for pulmonary regeneration and repair	Oliver Eickelberg (Germany)
11:30	Eicosanoid regulation of macrophage PRR responses	Marc Peters-Golden (USA)
12:00	Fotosession / Lunch / Poster Presentation and Industrial Exhibition	
13:30	Developmental biology	Saverio Bellusci (Germany)
14:00	Adult stem cells underlying lung regeneration	Frank McKeon (Singapore)
14:30	1. Best abstract	The best abstracts of poster presentations will be selected for short talks
14:50	2. Best abstract	
15:10	3. Best abstract	
15:30	4. Best abstract	
15:50	Coffee break	
7. Better than 1000 Words – Imaging (Hussell, Müller-Quernheim)		
16:20	Targeting of the host endomembrane system during bacterial infection and the formation of an immune response	Jost Enninga (France)
16:50	Imaging the lung of small rodents in vivo: Opportunities, challenges	Nicolau Beckmann (Switzerland)
17:20	Counting on lung surfactant - by morphometry	Matthias Ochs (Germany)
18:00	Piano Concert	Anastassiya Dranchuk
18:45	Get to gether	

Saturday, 22-Sep-2012

8. Clinically Relevant Models (Torres, Gruber)		
8:30	Interference of ventilator-induced lung injury and severe pneumonia	Holger C. Müller-Redetzky (Germany)
9:00	<i>Ex vivo</i> infection of the human lung	Andreas Hocke (Germany)
9:30	Current knowledge of the airway innate immune response in veterinary species	Dirk Werling (UK)
10:00	Stroke-induced immunodepression and bacterial pneumonia: experimental and clinical evidence	Christian Meisel (Germany)
10:30	Coffee break	
9. Therapy (Müller-Quernheim, Zabel)		
11:00	Translational approach: GM-CSF as potential treatment strategy	Susanne Herold (Germany)
11:30	Therapy in addition to antibiotics – outlook	Norbert Suttrop (Germany)
12:00	Community-acquired pneumonia as an emergency	Antoni Torres (Spain)
12:30	Closing	Norbert Suttrop (Germany)
12:45	Coffee and snacks	

Time for talks: topics: 20+10 min, evening lecture: 60 min, best abstracts: 15+5 min

Registration: start at 8:00 a.m. every days in the foyer

Venue: Berlin-Brandenburg Academy of Sciences, Markgrafenstraße 38, 10117 Berlin-Gendarmenmarkt

Leibnitz-Hall: lectures and concert

Catering area: breaks and get to gether

Conference rooms: poster presentation and industrial exhibition