



International Conference of the SFB-TR 84 and Leopoldina

Innate immunity of the lung – Improving pneumonia outcome

Program

Time	Session	Title	Speaker
Wednesday, 19-Sep-2012			Tutor
13:00	PhD-Meeting - Postgrad Courses	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	
8:45	1. Medical needs in Pneumonia	Community-acquired Pneumonia – What are we missing?	Richard G Wunderink (U.S.A.)
9:15		Pathogens and resistance	Herman Goossens (Belgium)
9:45		Diagnostic and prognostic biomarker and new markers using GWAS	Stefan Krüger (Germany) Norbert Suttorp (Germany)
10:15	Coffee break		
10:45	2. First Line of Defence	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 and	Poster Presentation and Industrial Exhibition	
13:45	3. Immune Cells	Mechanisms of neutrophil-pathogen interactions in bacterial lung disease	Dominik Hartl (Germany)
14:15		Classical and alternative activation of macrophages	Siamon Gordon (UK)
14:45		“Dendritic cells” during the Immune Cells session	Frederic Geissmann (UK)
15:15		Neutrophils and NETs in the lung	Volker Brinkmann (Germany)
15:45	Coffee break		
16:15	3. Immune Cells	Epithelial regulation of lung innate immunity	Tracy Hussell (UK)
16:45	4. Barriers in the lung and barrier disruption	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	Coffee break and snacks		
19:00	Evening Lecture	Topic to be announced	Hans Uwe Simon (Switzerland)

Time	Session	Title	Speaker
Friday, 21-Sep-2012			
8:30	5. Damage to the lung	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		
10:30	6. Resolution and Repair	Resolvine and protectine	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	Lunch and	Poster Presentation and Industrial Exhibition	
13:30	6. Resolution and Repair	Developmental biology	Saverio Bellusci (Germany)
14:00		Adult stem cells underlying lung regeneration	Frank McKeon (Singapore)
14:30		1. Best abstracts	
15:00		2. Best abstracts	
15:30	Coffee break		
16:00	7. Better than 1000 words – Imaging	in vivo /ex vivo / in vitro	Jost Enninga (France)
16:30		Imaging the Lung of Small Rodents in Vivo: Opportunities, Challenges	Nicolau Beckmann (UK)
17:00		Counting on lung surfactant - by morphometry	Matthias Ochs (Germany)
17:30		3. Best abstracts	
18:00		4. Best abstracts	
19:00	Get to gether		

Saturday, 22-Sep-2012			
8:30	8. Clinically relevant models	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		Large animal models	Dirk Werling (UK)
10:00		Stroke-induced immunodepression and bacterial pneumonia: experimental and clinical evidence	Christian Meisel (Germany)
10:30	Coffee break		
11:00	9. Therapy	Translational approach: GM-CSF as potential treatment strategy	Susanne Herold (Germany)
11:30		Therapy in addition to antibiotics – outlook	Norbert Suttorp (Germany)
12:00		Community-acquired pneumonia as an emergency	Antoni Torres (Spain)
12:30	Closing and snacks		