WORKSHOP 2014

16.- 17. July2014

Universitätsklinikum Jena

Agenda	**Wednesday, 16. July 2014**
15:00	Welcome and Overview *Michaela Schmidtke, Jena University Hospital, Jena*
15:15	Targeting influenza by manipulation of lipid mediator synthesis and signalling *Oliver Werz, Institue of Pharmaceutical Chemistry, Friedrich Schiller University, Jena*
15:45	Gene regulatory network model reconstructed from the transcriptional response to murine influenza infection *Himanshu, Jena University Hospital and HKI*
16:15	Mouse models to study the efficacy of novel neuraminidase inhibitors (NAI) against influenza viruses *Nora Seidel, Dept. Virology and Antiviral Therapy, Jena University Hospital*
	Social Programm: Kulturarena

Agenda	**Thursday, 17. July 2014**
9:00	Strategies to discover anti-viral agents from natural sources against acute respiratory infections Christina Mair, *Institute for Pharmacy/Pharmacognosy, CCB, University of Innsbruck*
9:30	Polypores- a new source for anti-viral agents Ulrike Grienke, *Institute for Pharmacy/Pharmacognosy, CCB, University of Innsbruck*
10:00	Antimicrobial MAC isolates and congeners - an update *Judith Rollinger, Institute for Pharmacy/Pharmacognosy, CCB, University of Innsbruck*
10:30	Search for novel resistance-breaking nucleoprotein inhibitors *Susanne von Grafenstein, Theoretical Chemistry, CCB, University of Innsbruck*
11:00	**Break**
11:30	Synthesis, anti-influenza and anti-pneumococcal activity of 10926085-derivatives *Vadim Makarov, Bakh Institute of Biochemistry, Russian Academy of Science, Moscow, Russia*
12:00	Azo-compounds as neuraminidase inhibitors: characterization and caveats *Susanne von Grafenstein, Christian Kramer, Theoretical Chemistry, CCB, University of Innsbruck*
12:30	Current Cluster E results, what will we do next? *Michaela Schmidtke, Dept. Virology and Antiviral Therapy, Jena University Hospital*
13:00	**Lunch**
14:00	Analysing binding modes of new NAI with the help of a set of NAI resistant WSN/33 (H1N1) and HK/68 (H3N2) variants *Anja Hoffmann, Dept. Virology and Antiviral Therapy, Jena University Hospital*
14:30	Further attempts to verify the mode of action of NAI *Lilia Schumann, Dept. Virology and Antiviral Therapy, Jena University Hospital*
15:00	Primary sequence associated enzyme kinetics of *S. pneumoniae* neuraminidases (NanA) and susceptibility towards NAI *Zhongli Xu, Dept. Virology and Antiviral Therapy, Jena University Hospital*
15:30	**Break**
16:00	Different capacity of NAI to inhibit the biofilm formation of NAI *Martina Richter, Dept. Virology and Antiviral Therapy, Jena University Hospital*
16:30	NAI activity in the co-incubation model of influenza virus and *S. pneumoniae*-NA in vitro *Elisabeth Walther, Dept. Virology and Antiviral Therapy, Jena University Hospital*
	Closing
	Social Programm: Walking tour and dinner