

3rd Münster Symposium on Infection Biology

Max Planck Institute for Molecular Biomedicine, Münster

Wednesday, 13/03/2019

13:30 Registration and poster mounting

14:00 Welcome Address
Ursula Rescher & Ulrich Dobrindt

Session I (Chair: Ursula Rescher)

Understanding and interfering with viral pathogenicity I

14:15 **Keynote lecture I**
Florian I. Schmidt, Bonn
“Interrogating infection and immunity with camelid nanobodies and other protein-based tools”

14:45 **Jonas Goretzko**
“Late endosomal cholesterol balance is a druggable host target in IAV infection”

15:00 **Sebastian Schloer**
“Protective role of Annexin A1/Formyl peptide receptor axis in host defense against influenza A virus infection”

15:15 **Andre Schreiber**
“Influenza vRNP export block via Raf/MEK/ERK-pathway inhibition as an alternative anti-viral approach”

15:30 **Linda Brunotte**
“Interferon- α revisited – The antiviral potential of IFN- α subtypes against influenza A virus infection in a human lung explant model”

15:45 *Coffee break | Poster Session*

Session II (Chair: S. Ludwig)

Understanding and interfering with viral pathogenicity II

16:45 **Angeles Mecate-Zambrano**
“Tyrosine phosphorylation of Influenza A virus matrix protein 1 is essential for efficient viral particle assembly”

17:00 **Keynote lecture II**
Melanie Brinkmann, Braunschweig
“Meticulous and multifaceted: How herpesviruses fine tune the innate immune response”

17:30 **Keynote lecture III**
Eva Herker, Marburg
“Lipids go viral: deciphering the function of lipid droplets in HCV infection”

18:00 *Get Together - Drinks, Bites, Snacks, Posters*

Thursday, 14/03/2019

Session III (Chair: C. Rüter)

Understanding and interfering with bacterial pathogenicity I

- 09:00 **Keynote lecture IV**
Petra Dersch, Münster
“Remodelling *Yersinia*-host interactions: For better or worse?”
- 09:30 **Silke Niemann**
“The role of fibronectin in *Staphylococcus aureus* invasion into host cells: new aspects of an old story”
- 09:45 **Barbara Kahl**
“Antibiotic therapy affects *Staphylococcus aureus* clonality during persistence in the airways of cystic fibrosis patients”
- 10:00 **Sabrina Mühlen**
“Shiga toxin-producing *Citrobacter rodentium*: Modelling Shiga toxin-mediated disease in the mouse”
- 10:15 **Nadja Haarmann**
“RNA-seq analysis reveals a dramatic effect of the pAA plasmid on EHEC O104:H4 flagellar expression”
- 10:30 **Marco Chittò**
“SOS-response Inducing Antibiotics Stimulate Integrase Expression and Excision of Pathogenicity islands in uropathogenic *E. coli* strain 536”
- 10:45 *Coffee break | Poster Session*

Session IV (Chair: U. Dobrindt)

Understanding and interfering with bacterial pathogenicity II

- 11:30 **Krishnendu Mukherjee**
“Bacterium-host interaction and implications for drug discovery”
- 11:45 **Anzhela Galstyan**
“Turning photons into drugs: advanced photoactive compounds and interfaces in the resistance era”
- 12:00 **Keynote lecture V**
Michael Hensel, Osnabrück
“Cellular and molecular approaches to the intracellular lifestyle of *Salmonella enterica*”
- 12:30 **Keynote lecture VI**
Mathias Hornef, Aachen
“Ontogeny of the intestinal host microbial interaction”
- 13:00 Closing remarks, Farewell