### Tuesday, 25 June 2024

13:30	Registration	and	poster	mounting

#### 14:00 Welcome Address

#### **Session I:**

**Natural Products: From Screening to Therapy** 

### 14:15 Keynote lecture I

Olivier Potterat, Department of Pharmaceutical Sciences, University of Basel, Switzerland

"Library-Based Discovery of Bioactive Natural Products"

- 14:45 Nica Classen Institute for Pharmaceutical Biology and Phytochemistry, University of Münster "Immuno Thermal Shift Assay - From Drug Development towards Diagnostic Applications"
- 15:00 Leon Kemper Institute for Pharmaceutical Biology and Phytochemistry, University of Münster "Fenugreek Seed Extract with Antiadhesive Properties against *Campylobacter jejuni*"
- 15:15 Maria Laura Darido Institute of Molecular Virology, University of Münster
  "In silico and in vitro Insights of Novel Synthetic Compounds Developed from a
  Brazilian Chemo Library Based on Plant-Derived Coumarins"

### 15:30 Keynote lecture II

Thomas J. Schmidt, Institute of Pharmaceutical Biology and Phytochemistry, University of Münster

"Arnica: Traditional European Herbal Medicine as New Therapy for Cutaneous Leishmaniasis, a Neglected Tropical Disease"

16:00 Poster session | Coffee break

#### **Session II:**

### **Host-virus Interaction and Antiviral Approaches**

- 17:00 Fernão Braga Laboratório de Fitoquímica, Faculdade de Farmácia, Universidade Federal de Minas Gerais, Brazil
  - "Exploring the Antiviral Activity of Natural Products and Derivatives Against Prevalent and Emerging Viruses"
- 17:15 Sriram Kumar Institute of Molecular Virology, University of Münster

"Therapeutic Potential of Recombinant Formulations of Human IFN- $\alpha$  Subtypes against Respiratory Viruses"

- 17:30 Aileen Faist Institute of Molecular Virology, University of Münster
  "Inhibition of p38 MAPK as Therapeutic Approach against Hyperinflammatory Virus
  Infections"
- 17:45 Nicole Oberberg Institute of Molecular Virology, University of Münster
  "Role of the 90 kDa Ribosomal S6 Kinases (RSK1-3) during the Influenza A Virus
  Replication Cycle"
- 18:00 Keynote lecture III
  Ulrike Protzer, Institute of Virology,
  Technical University of Munich
  "HBV-Cure by Stimulating Adaptive Immunity"
- 18:30 Get Together Medicinal Plant Garden IPBP, Correnstraße 48 48149 Münster

## Wednesday, 26 June 2024

	Characterization of Microbial Pathogens and Microbial Pathogenesis
09:00	Keynote lecture IV  Cynthia Sharma, Institute of Molecular Infection Biology, University of Würzburg  "Small RNAs and Small Proteins in Stress Response and Virulence Control of Pathogenic Epsilonproteobacteria"
09:30	Petya Berger - Institute of Hygiene, University of Münster "The Role of RpoS in E. coli O104:H4 Gene Expression"
09:45	Michael Berger - Institute of Hygiene, University of Münster "Virulence of Enterohemorrhagic <i>Escherichia coli</i> : Is it all about the Phage?"
10:00	Anna Kerwien - Institute of Infectiology, University of Münster "Expression and Activation Control of the Type VI Secretion System Machinery in Yersinia pseudotuberculosis"
10:15	Theresa Karagöz - Institute of Infectiology, University of Münster "Immune Modulating Activities of the Cell-Penetrating Shigella Effector Protein IpaH7.8"
10:30	Poster session   Coffee break
	Session IV: In Search for Novel Therapeutic Options
11:30	Keynote lecture V  Harald Groß, Department of Pharmaceutical Biology, University of Tübingen  "Uridyl Peptides Reloaded - New Insights into the Investigation of this Promising Class of Antibiotics"
12:00	Tobias Grebe - Institute of Medical Microbiology, University of Münster "C5a Receptor Antagonists Compete with the Cytotoxic Effects of Staphylococcus aureus Panton Valentine Leukocidin"
12:15	Jasmin Jakob - Institute of Molecular Virology, University of Münster "Zapnometinib as a New Antibacterial Compound Targeting Cell Division of Streptococcus pneumoniae"

12:30 **Johannes Eble** - Institute of Physiological Chemistry and Pathobiochemistry, University of Münster "Snake Venom Components Prevent Platelets from Being Hijacked by Tumor Cells"

### 12:45 Keynote lecture VI

Heike Brötz-Oesterhelt, Department of Microbial Bioactive Compounds, Interfaculty Institute of Microbiology and Infection Medicine, University of Tübingen "Elaborate Mechanisms of Natural Product Antibiotics"

13:15 Poster session, Lunch break

#### **Session V:**

**New Concepts and Methods** 

### 14:15 Keynote lecture VII

John McKinney, Laboratory of Microbiology and Microtechnology, Swiss Federal Institute of Technology, Lausanne, Switzerland

"Microengineered Modes of Urinary Tract Infection"

14:45 Janina Treffon - Institute of Hygiene, University of Münster

"Establishing a Human in vitro 3D Gut-on-a-Chip Model to Study Enterohemorrhagic Escherichia coli Infections"

15:00 Mattis Irle - Institute of Hygiene, University of Münster

"Novel Sex-pilus-specific Bacteriophages Reduce Plasmid Carriage and Transfer in vitro"

15:15 Ursula Rescher - Institute of Molecular Virology, Cellular Biochemistry, University of Münster "Old Dogs and their New Tricks - Harnessing Pattern Recognition Receptors to Control Inflammation"

### 15:30 Keynote lecture VIII

Michael Meyer-Hermann, Helmholtz Centre for Infection Research, Braunschweig "Increasing Antibody Diversity by Antibody Feedback"

16:00 Closing remarks, Farewell