



## 15<sup>TH</sup> TWINCORE SYMPOSIUM

14 SEPTEMBER 2023

“15 years of translational infection research”

### Programme

8:15 - 9:00

#### Accreditation

9:00

#### Ulrich Kalinke

Welcome & opening remarks

#### TOPIC: Vaccination I

Chair: Ulrich Kalinke

9:00 - 9:30

#### Daniel Pinschewer (University of Basel)

Keynote Lecture: Arenavirus-based vectors for prophylactic and therapeutic immunization

9:30 - 10:00

#### Thomas Thum (MHH & Cardior)

First RNA-based therapy for heart patients

10:00 - 10:10

#### Thomas Pietschmann

Challenges and perspectives for development of an HCV vaccine

10:10 - 10:40

#### Tea and Coffee

#### TOPIC: Vaccination II

Chair: Daniel Pinschewer

10:40 - 11:10

#### Kathrin de la Rosa (Max-Delbrück-Center)

Mechanisms of antibody diversification guiding novel vaccination strategies

11:10 - 11:20

#### Theresa Graalman

Indirect effects of immunotherapy targeting immune checkpoints

11:20 - 11:30

#### Chengjian Xu (CiiM)

Epigenetic Reprogramming Shapes Immune Responses after BCG Vaccination

11:30 - 12:30

#### Lunch

#### TOPIC: Antibodies and immune responses

Chair: Chase Beisel

12:30 - 12:40

#### Yannic Bartsch

Fc-dependent effector functions to target reservoir cells in chronic infections

12:40 - 12:50

#### Patrick Behrendt

Circumventing Hepatitis E Virus escape mechanisms with neutralizing monoclonal antibodies

12:50 - 13:00

#### Ulrich Kalinke

Can memory B cells see the future?

13:00 - 13:30

#### Tea and Coffee



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### TOPIC: Virus infection and sensing

Chair: Yannic Bartsch

- 13:30 - 14:00     **Alexander Ploss (Princeton University)**  
Novel insights into the species barrier of hepatitis B virus
- 14:00 - 14:30     **Michaela Gack (Cleveland Clinic, Florida Research and Innovation Center)**  
Regulation of flaviviral helicase function by the host acetylation machinery (*virtual*)
- 14:30 - 15:00     **Eicke Latz (DRFZ & Charité)**  
Inflammasomes - from bench to bedside
- 15:00 - 15:30     **Tea and Coffee**

### TOPIC: Bacteriology

Chair: Helle Krogh Johansen

- 15:30 - 16:00     **Chase Beisel (HIRI Würzburg)**  
From CRISPR biology to versatile technologies
- 16:00 - 16:10     **Susanne Häussler**  
*Pseudomonas aeruginosa* adaptation to fast growth
- 16:10 - 16:20     **Volker Winstel**  
Cancer drug-based therapy of invasive *Staphylococcus aureus* infections
- 16:20 - 16:30     **Marco Galardini**  
Statistical genetics approaches in bacteria: tools and applications
- 16:30 - 17:00     **Mark Brönstrup (HZI)**  
Small molecule inhibitors of hemolysin for the treatment of *S. aureus* lung infections
- 17:00             **Get-together/ Barbecue**