

16TH TWINCORE SYMPOSIUM

THE NEXT GENERATION OF SCIENTISTS' APPROACH
TO TRANSLATIONAL INFECTION RESEARCH

**30
MAY
2024**

PROGRAMME

08:15 - 09:00 Uhr

Accreditation

09:00 - 09:10 Uhr

Ulrich Kalinke | Welcome & opening remarks

TOPIC: VIROLOGY

CHAIR: THOMAS PIETSCHMANN

09:10 - 09:30 Uhr

Mathias Munschauer (Goethe-Universität Frankfurt)
An RNA-centric perspective on respiratory RNA viruses

09:30 - 09:45 Uhr

Chris Lauber | Data-driven virus discovery to identify novel viruses and viral proteins

09:45 - 10:15 Uhr

Tea & Coffee

10:15 - 10:30 Uhr

Patrick Behrendt | Hepatitis E: Extrahepatic sites of infection

10:30 - 10:45 Uhr

Arnaud Carpentier | Search for new host factors and restriction mechanisms of Hepatitis D Virus replication

10:45 - 11:00 Uhr

Benjamin Nilsson-Payant | The role of defective viral genomes in the life cycle of emerging negative-sense RNA viruses

11:00 - 12:00 Uhr

Brunch

TOPIC: BACTERIOLOGY **CHAIR: SUSANNE HÄUSSLER**

12.00 - 12:20 Uhr	Aaron Weimann (Cambridge University) Evolution and host-specific adaptation of <i>Pseudomonas aeruginosa</i>
12:20 - 12:35 Uhr	Marco Galardini Computational modeling of bacterial populations and their resilience strategies using genomic surveillance
12:35 - 12:50 Uhr	Jelena Erdmann Building sustainable structures for comprehensive exploration of bacterial genomes
12:50 - 13:05 Uhr	Yannick Frommeyer Deciphering the tRNA epitranscriptome: implications for <i>P. aeruginosa</i> pathogenicity
13:05 - 13:20 Uhr	Volker Winstel Pathogen-associated effector-nucleosides
13:20 - 13:50 Uhr	Tea and Coffee

TOPIC: IMMUNOLOGY **CHAIR: ULRICH KALINKE**

13:50 - 14:10 Uhr	Lina Herhaus (Goethe-Universität Frankfurt) Unveiling IRGQ: a novel mediator of tumor and pathogen immunity
14:10 - 14:25 Uhr	Yannic Bartsch Antibody Fc effector functions to mitigate infectious disease
14:25 - 14:40 Uhr	Theresa Graalmann Inflammatory pattern upon acute respiratory distress syndrome (ARDS) of different origin
14:40 - 14:55 Uhr	Matthias Bruhn Can B cells see the future?
14:55 - 15:10 Uhr	Inken Waltl Viral CNS infections, microglia activation and Parkinson's disease
15:10 - 15:40 Uhr	Tea and Coffee

TOPIC: CIIM **CHAIR: YANG LI**

15:40 - 16:00 Uhr	Florian Wimmers (Universität Tübingen) Systems biology assessment of immune responses in humans
16:00 - 16:15 Uhr	Nienke van Unen The multi-omics landscape of systemic inflammation in people living with HIV
16:15 - 16:30 Uhr	Nhan Nguyen Latent CMV infection modulates the immune system with significant implications for people living with HIV
16:30 - 16:45 Uhr	Xun Jiang Cannabis-induced changes in DNA methylation mediate immune response in PLHIV
16:45 - 17:00 Uhr	Anke Kraft Heterogeneity of the immune response in chronic viral infections - a target for personalized medicine
17:00 Uhr	Closing reception

