

Welcome

Dear Participants,

We warmly welcome you to the COVIM Symposium 2024!

COVIM is a collaborative research consortium within the framework of the Network of University Medicine (NUM), initiated in 2020 in response to the COVID-19 pandemic. With 27 active sites across Germany, COVIM investigators have collaboratively studied SARS-CoV-2 immunity on various levels and jointly developed novel immune interventions. Now in its second funding period, COVIM is expanding its activities to standardized immune monitoring and AI-driven data analysis of immunological data with the aim of establishing a versatile national immunity platform.

We are delighted to welcome you to our symposium to discuss the latest insights into antiviral immunity with renowned speakers from our consortium and beyond.

We are honored to host you here in Berlin.

Thank you for coming and enjoy the COVIM symposium 2024.

Sincerely yours,

Spokesperson



Florian Klein



Leif Erik Sander

Project coordination



Susanne Salomon



Nicole Stobäus

Thursday June 6th 2024

Challenges and Solutions for Pandemic Responses

Florian Klein & Leif Erik Sander

- 10:00 **Welcome**
Florian Klein & Leif Erik Sander
- 10:20 **Lessons learned from the negotiation process of the Pandemic Agreement**
Karl Lauterbach
- 10:50 **Real world data driving public health decision making**
Ran Balicer
- 11:20 **One health and epidemic preparedness: what could it bring?**
Marion Koopmans
- 12:00 **Lunch**

Exploiting Humoral Immunity

Christian Gaebler & Klaus Überla

- 13:00 **Antibody responses to infection and vaccination**
Michel Nussenzweig
- 13:30 **Structure and Antigenicity of CCHFV Glycoproteins**
Jason McLellan
- 14:00 **Germ-line-targeting vaccine approach to elicit broadly neutralizing antibodies against HIV-1**
Marit van Gils
- 14:15 **Dissecting Infection and Inflammation with Camelid Nanobodies**
Florian Schmidt
- 14:30 **Coffee Break**

Targeting Innate Immunity

Stefan Kaufmann & tba

- 15:00 **NK cell clonal memory in response to virus**
Chiara Romagnani
- 15:30 **Determinants of antiviral lung immunity**
Sylvia Knapp
- 16:00 **Impact of endogenous retroviruses on plasmacytoid dendritic cell-mediated IFN-alpha production**
Stefan Bauer
- 16:30 **The role of inflammasomes and innate immune memory in SARS-CoV-2 infection and vaccination**
Sebastian Theobald
- 16:45 **Group Picture & Coffee Break**

Novel Approaches to Tackle Viral Infection

Marylyn Addo & Henning Grull

- 17:30 **Towards a pan-sarbecovirus vaccine to protect against SARS-CoV-2 variants and animal sarbecoviruses without updating**
Pamela Bjorkman
- 18:00 **Pathogen-Agnostic Viral Countermeasure Platform**
Hendrik Dietz

Rooftop Dinner

- 19:00 Rooftop of the **Hotel Amano Grand Central**
Heidestrasse 62, 10557 Berlin
- 23:00

Friday June 7th 2024

Cellular Immunity and Complex Systems

Alexander Scheffold & Martina Sester

- 9:00 **SARS-CoV-2 Immunology ... The Final Frontier**
Andreas Thiel
- 9:30 **The future of AI applications in immunology and medicine**
Joachim Schultze
- 10:00 **A novel immune checkpoint pathway that impairs CD8+ T-cell responses against influenza virus**
Yotam Bar-On
- 10:15 **T cell exhaustion and beyond: virus-specific CD8+ T cell responses in chronic viral hepatitis**
Maïke Hofmann
- 10:30 **Coffee Break**

Viral Pathogenesis and Immune Evasion

Ulf Dittmer & Stephanie Pfänder

- 11:00 **News on MERS**
Christian Drosten
- 11:30 **The 3As of SARS-CoV-2 infection: ACE2, activators and antibodies**
Stefan Pöhlmann
- 12:00 **A versatile new bioassay system detecting diverse FcγR ligands: a toolbox for complex clinical conditions of immune protection, inflammation and immunopathology**
Hartmut Hengel
- 12:15 **The influence of Cyclosporin A on lung pathology in MERS-CoV infected mice**
Lucie Sauerhering
- 12:30 **Lunch**

Vaccine Development against Viral Pathogens

Clara Lehman & Ger van Zandbergen

- 13:30 **Vaccination in pregnancy as a tool to protect infants from serious respiratory infections**
Beate Kampmann
- 14:00 **Antibody responses to SARS-CoV-2 infection and vaccination**
Florian Krammer
- 14:30 **Status and Evaluation of Vaccines for viral pathogens**
Marco Cavaleri

Farewell

- 15:00 **Farewell**
Florian Klein & Leif Erik Sander
- 15:15 **End of the Meeting**

Disclaimer

Photographs will be taken at this event.

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If necessary, please contact

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We would like to thank you for your participation in the meeting and would be pleased to use your photos to document the conference.