

# GfG-Conference 2022



## Genetics of Inflammation and Infection

April 4<sup>th</sup>-April 6<sup>th</sup>, 2022 in Braunschweig

### Talks

**Prof. Ute Römling**

Karolinska Institute Stockholm, Sweden

*Intracellular signalling in pathogenic bacteria*

**Prof. Mihai Netea**

Limes, University of Bonn, Germany

*Variation and adaptation in innate immune responses*

**Prof. Trine Morgensen**

Aarhus University, Denmark

*Deciphering the genetics and immunology of enhanced susceptibility to viral infections in the brain*

**Prof. Adam Grundhoff**

Heinrich-Pette-Institute Hamburg, Germany

*Genetic and Epigenetic Determinants of Herpesvirus Latency*

**Prof. Marcus Fuld**

FU Berlin, Germany

*Random mutagenesis to define new virulence determinants in streptococcal pathogenesis*

**Dr. Mikael Sellin**

University of Uppsala, Sweden

*Epithelial Inflammasomes and Gut Bacterial Infection*

**Prof. André Fleissner**

TU Braunschweig, Germany

*Conserved cell-cell signaling mechanisms in filamentous fungi*

**Dr. Marc Veldhoen**

University of Lissabon, Portugal

*Generation, maintenance and activation of tissue resident T cells*

**Prof. Heiner Wedemeyer**

Hannover MHH, Germany

*To be announced*

**Prof. Dario Zombani**

University of Sao Paulo, Brasil

*Inflammasomes in host response to intracellular pathogens and in the pathogenesis of diseases*

**Dr. Janneke Samson**

Erasmus University Rotterdam, Netherlands

*Regulating intestinal immune responses to luminal antigens*

**Prof. Jan-Willem Veening**

University of Lausanne, Switzerland

*Systems and synthetic biology approaches to study pneumococcal pathogenesis*

**Prof. Michela Matteoli**

Humanitas University Milan, Italy

*Exosomes as mediators of neuron-glia communication in neuroinflammation*

**Prof. Gert van Loo**

University of Gent, VIB, Belgium

*Inflammasomes in neuroinflammation and neurodegenerative diseases*

**Prof. Isabelle Martin-Verstraete**

Pasteur Institute Paris, France

*Stress responses of Clostridioides difficile*

**Dr. Shirin Hosseini**

TU Braunschweig, Germany

*Respiratory viral infection, neuroinflammation and associated neurodegeneration*

**Dr. Xavier Montagutelli**

Pasteur Institute Paris, France

*Exploring host-virus interactions in genetically diverse Collaborative Cross mice*

**Prof. Silvia Vidal**

McGill University Montreal, Canada

*From genomics to function: new preclinical mouse models of infection and inflammation*

**Prof. Axel Brakhage**

Hans-Knöll-Institute Jena, Germany

*The opportunistic human fungal pathogen Aspergillus fumigatus*

Plenary Sessions by Prof. Yang Li, HZI Braunschweig „Innate or Trained Immunity“, Prof. Jochen Hühn, HZI Braunschweig „Adaptive or Tissue-Resident Immunity“, Prof. Dieter Jahn, TU Braunschweig „Bacterial Infections I“, Prof. Simone Bergmann, TU Braunschweig „Bacterial Infections II“, Prof. Michael Steinert, TU Braunschweig „Inflammasome“, Prof. Martin Korte, TU Braunschweig „Neuroinflammation“, Prof. Melanie Brinkmann, TU Braunschweig „Viral Infections I“, Prof. Klaus Schughart, HZI Braunschweig „Viral Infections II“, Prof. Gerhard Braus, University of Göttingen „Fungal Infections“

### Host

The **German Genetics Society (GfG)** is a scientific organization that unites scientists from universities and research institutions as well as from industry and governmental agencies working on all aspects of genetic research. It is also a home for high school teachers and everybody interested in genetics.

The GfG fosters scientific exchange and discussion of actual as well as long-term pressing scientific questions related to the field of genetics and aims for encouraging comprehensive interdisciplinary considerations across genetic disciplines. The society meets this goal by regularly organizing for their members and interested guests international conferences hosting renowned experts and young academics to present their latest findings in a selected key topic of genetic research.

Find out more at: <https://www.gfgenetik.de>

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### Location

Host of this conference is the Life Sciences Faculty of the Technische Universität Braunschweig with its key research area in infection and drug research.

Together with the Helmholtz Centre for Infection Research and the German Collection of Microorganisms and Cell Cultures (DSMZ) as a member institute of the Leibniz Association a strong local infrastructure to organize this conference is provided for this prevailing scientific topic.

The conference will take place at the North Campus of the Technical University of Braunschweig.

#### Learn more about

- the detailed program, abstract submission, poster sessions
- prices, early bird, GfG discount, registration
- accomodation and directions
- sponsoring opportunities

<https://gfg.itubs.de>