

The German Genetics Society (GfG)



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 GfG 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 under: <https://www.gfgenetik.de>

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Sparked by the current global pandemic of COVID-19, the field of infection genetics experiences a rapid progress demanding an intense exchange of experience and knowledge.

Accompanying vivid scientific discussions will foster a common understanding of fundamental and newly evolving principles of inflammatory and infectious processes and stimulate novel ideas. Therefore, the scientific program of this conference is not only exciting for experts in the field but also rewarding for everybody interested in infection genetics.

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.

Directions

To the North Campus of the **Technical University of Brunswick, Bienroder Weg 97**:

The nearest bus stop of the Braunschweiger Verkehrs AG is "Freystraße". From Brunswick main station you can reach us by **bus line 436**. Alternatively, you can take **streetcar 2** in the direction of "Siegfriedviertel" to the "Siegfriedstraße" stop.

You can find timetable information from Braunschweiger Verkehrs AG at: www.bsvg.net

Further travel information:

For further information on how to reach the city of Brunswick by car, train or plane, please visit the following link: <https://www.braunschweig.de/english/touristservice/arrival.php>

<https://gfg.itubs.de/>



GfG-Conference 2022

Genetics of Inflammation and Infection

"The current conference is dedicated to shed light on fundamental genetic mechanisms of inflammatory and infectious events and the involved bacterial, viral and fungal pathogens."

**April 4th-April 6th, 2022
in Braunschweig**



“Genetics of Inflammation and Infection”

April 4th-April 6th, 2022 in Braunschweig

Monday April 4 th , 2022	
14:00	Opening Ceremony
14:15	Plenary Session I: Innate or Trained Immunity? Chair: Prof. Yang Li, HZI Braunschweig
14:15	Prof. Mihai Netea (Limes, University of Bonn): <i>Variation and adaptation in innate immune responses</i>
14:45	Prof. Heiner Wedemeyer (Hannover MHH): TBA
15:15 Coffee Break, Visit of Industrial Exhibition	
15:45	Plenary Session II: Adaptive or Tissue-Resident Immunity , Chair: Prof. Jochen Hühn, HZI Braunschweig
15:45	Dr. Marc Veldhoen (University of Lissabon): <i>Generation, maintenance and activation of tissue resident T cells</i>
16:15	Dr. Janneke Samson (Erasmus University Rotterdam): <i>Regulating intestinal immune responses to luminal antigens</i>
16:45	Talk 3: selected from submitted abstracts
17:00	Talk 4: selected from submitted abstracts
17:15 Coffee Break, Visit of Industrial Exhibition	
17:30	Award of the Gateff-Prize
18:00	Max-Delbrück Lecture
19:00	Welcome Reception & Poster Viewing
Tuesday April 5 th , 2022	
09:00	Plenary Session III: Bacterial Infections I Prof. Dieter Jahn, TU Braunschweig
09:00	Prof. Ute Römling (Karolinska Institute Stockholm): <i>Intracellular signalling in pathogenic bacteria</i>
09:30	Prof. Isabelle Martin-Verstraete (Pasteur Institute Paris): <i>Stress responses of Clostridioides difficile</i>
10:00	Poster Flash Presentation (Session I)

10:15	Coffee Break, Visit of Industrial Exhibition
10:45	Plenary Session IV: Bacterial Infections II Chair: Prof. Simone Bergmann, TU Braunschweig
10:45	Prof. Marcus Fuld (FU Berlin): <i>Random mutagenesis to define new virulence determinants in streptococcal pathogenesis</i>
11:15	Prof. Jan-Willem Veening (University of Lausanne): <i>Systems and synthetic biology approaches to study pneumococcal pathogenesis</i>
11:45	Talk 3: selected from submitted abstracts
12:00	Talk 4: selected from submitted abstracts
12:15 Lunch Break, Visit of Industrial Exhibition	
13:15	Poster Session I
14:15	Plenary Session V: Inflammasome Chair: Prof. Michael Steinert, TU Braunschweig
14:15	Prof. Dario Zombani (University of Sao Paulo): <i>Inflammasomes in host response to intracellular pathogens and in the pathogenesis of diseases</i>
14:45	Dr. Mikael Sellin (University of Uppsala): <i>Epithelial Inflammasomes and Gut Bacterial Infection</i>
15:15 Coffee Break, Visit of Industrial Exhibition	
15:45	Plenary Session VI: Neuroinflammation Chair: Prof. Martin Korte, TU Braunschweig
15:45	Prof. Michela Matteoli (Humanitas University Milan): <i>Exosomes as mediators of neuron-glia communication in neuroinflammation</i>
16:15	Prof. Gert van Loo (University of Gent, VIB): <i>Inflammasomes in neuroinflammatory and neurodegenerative diseases</i>
16:45	Dr. Shirin Hosseini (TU Braunschweig): <i>Respiratory viral infection, neuroinflammation and associated neurodegeneration</i>
17:00	Talk 4: selected from submitted abstracts
17:15	GfG Members Meeting
18:30	Public Lecture
20:00	Get Together/Dinner

Wednesday April 6 th , 2022	
09:00	Plenary Session VII: Viral Infections I Chair: Prof. Melanie Brinkmann, TU Braunschweig
09:00	Prof. Trine Morgensen (Aarhus University): <i>Deciphering the genetics and immunology of enhanced susceptibility to viral infections in the brain</i>
09:30	Prof. Adam Grundhoff (Heinrich-Pette-Institute Hamburg): <i>Genetic and Epigenetic Determinants of Herpesvirus Latency</i>
10:00	Poster Flash Presentation (Session II)
10:15 Coffee Break, Visit of Industrial Exhibition	
10:45	Plenary Session VIII: Viral Infections II Prof. Klaus Schughart, HZI Braunschweig
10:45	Dr. Xavier Montagutelli (Pasteur Institute Paris): <i>Exploring host-virus interactions in genetically diverse Collaborative Cross mice</i>
11:15	Prof. Silvia Vidal (McGill University Montreal): <i>From genomics to function: new preclinical mouse models of infection and inflammation</i>
11:45	Talk 3: selected from submitted abstracts
12:00	Talk 4: selected from submitted abstracts
12:15 Lunch Break, Visit of Industrial Exhibition	
13:15	Poster Session II
14:15	Plenary Session IX: Fungal Infections Chair: Prof. Gerhard Braus, University of Göttingen
14:15	Prof. Axel Brakhage (Hans-Knöll-Institute Jena): <i>The opportunistic human fungal pathogen Aspergillus fumigatus</i>
14:15	Prof. André Fleissner (TU Braunschweig): <i>Conserved cell-cell signaling mechanisms in filamentous fungi</i>
15:15	Closing Remarks and Poster Prizes

Details, prices and registration at:
<https://gfg.itubs.de>