



PROGRAM

2nd International Conference on **INDIVIDUALIZED INFECTION MEDICINE**

19-21 MARCH 2026

ORGANISERS



CiiM

CENTRE FOR INDIVIDUALISED
INFECTION MEDICINE

HZI

HELMHOLTZ
Centre for Infection Research

M+H

Hannover Medical School



VolkswagenStiftung

THURSDAY, 19 March 2026

10:00 REGISTRATION

WELCOME AND OPENING / SETTING THE STAGE

- 10:30 *Welcome*
Georg Schütte, Volkswagen Foundation
- 10:35 *Opening and Setting the Stage*
Yang Li, Centre for Individualised Infection Medicine
Markus Cornberg, Centre for Individualised Infection Medicine
- 10:45 *Opening addresses*
Falko Mohrs, Ministry of Culture and Science of Lower Saxony (video)
Josef Penninger, Helmholtz Centre for Infection Research
Heiner Wedemeyer, Hannover Medical School
- 11:05 *Personalized Medicine in Infectious Diseases – Quo Vadis*
Leif Erik Sander, Charité – Universitätsmedizin Berlin

11:45 BREAK

SESSION I: Ancestry effect on immune responses and susceptibility

Chairs: Georg Behrens, Hannover Medical School & Dunja Bruder, Helmholtz Centre for Infection Research

- 12:00 *tba*
Annapurna Vyakarnam, King's College London
- 12:35 *Immune Response Variation Through the Lens of Population and Single-Cell Genomics*
Lluís Quintana-Murci, Institut Pasteur
- 13:10 Selected lightning talks from abstracts

13:20 LUNCH BREAK

SESSION II: Understanding the heterogeneity of immune response in healthy

Chair: Lluís Quintana-Murci, Institut Pasteur

- 14:20 *Immune cell atlas reveals complex disease drivers*
Ramnik Xavier, Broad Institute of MIT and Harvard
- 14:55 Selected lightning talks from abstracts

VISION FOR THE FUTURE

Chair: Michael Meyer-Hermann, Helmholtz Centre for Infection Research

- 15:05 *Informing vaccine design by defining the rules of antibody responses*
Facundo Batista, Ragon Institute of Mass General, MIT and Harvard
- 16:05 COFFEE BREAK

SESSION OF THE EXCELLENCE CLUSTER RESIST

Chair: **Thomas Schulz**, Hannover Medical School

16:45 *Insights into the Cluster of Excellence RESIST*

Lars Dölken, Hannover Medical School

17:05 *Genomics of Immune Deficiencies*

Nataliya Di Donato, Hannover Medical School

17:25 *Gamma Delta T Cells as Emerging ADCC Effectors in Chronic HBV infection– The New Kid on the Block*

Markus Cornberg, Centre for Individualised Infection Medicine

17:45 *Bacterial Crosstalk in Host-Associated Microbiomes*

Till Strowig, Helmholtz Centre for Infection Research

18:05 *Hijacking the Off-Switch: An Arms Race of Immune Evasion and Control in HSV-1 and IAV infection*

Lars Dölken, Hannover Medical School

18:30 **END OF SCIENTIFIC PROGRAM**

CiiM Evening with Pretzels & Beer

19:00 Introduction to the **newly build home for the CiiM**
[registration needed]

FRIDAY, 20 March 2026

08:00 REGISTRATION

SETTING THE STAGE FOR PERSONALIZED MEDICINE

Chair: **Thomas Pietschmann**, TWINCORE

09:00 *Big Data Meets Infection: Predicting Immune Response and Aging with AI*
Yang Li, Centre for Individualised Infection Medicine

09:30 *Variation and adaptation in human immune responses*
Mihai Netea, Radboud University Medical Center

SESSION III: Variation in human response to vaccination

Chairs: **Marylyn Addo**, University Medical Center Hamburg-Eppendorf & **Carlos Guzmán**, Helmholtz Centre for Infection Research

10:10 *Systems Vaccinology*
Bali Pulendran, Stanford University School of Medicine

10:45 BREAK

11:10 *Estrogen as a Master Regulator of Sex and Age Differences in Vaccination Responses*

Sabra L. Klein, Johns Hopkins Bloomberg School of Public Health

11:45 *Beyond Targeted Immunity: Epidemiological Evidence for the Broader Health Effects of Vaccines*
Christine Stabell Benn, University of Southern Denmark

12:20 Selected lightning talks from abstracts

12:30 LUNCH BREAK

SESSION IV: Heterogeneity of immune response to infection (part 1)

Chairs: **Natalia Torow**, Helmholtz Centre for Infection Research & **Percy Knolle**, Technical University of Munich

13:30 *Trained immunity in inflammatory disease and cancer*
Triantafyllos Chavakis, University Hospital Carl Gustav Carus

14:05 *Immunoprofiling responses to past and current infections*
Jacques Deguine, Broad Institute of MIT and Harvard

14:40 *Host genetic contributions to infection outcomes*
Kerstin Ludwig, University of Bonn

15:15 Selected lightning talks from abstracts

15:25 COFFEE BREAK

POSTER WALK

16:00 Chairs: **Hortense Slevogt**, Hannover Medical School, **Anke Kraft**, Centre for Individualised Infection Medicine, **Luka Cicin-Sain**, Helmholtz Centre for Infection Research & **Cheng-Jian Xu**, Centre for Individualised Infection Medicine

SESSION IV: Heterogeneity of immune response to infection (part 2)

Chairs: **Natalia Torow**, Helmholtz Centre for Infection Research & **Percy Knolle**, Technical University of Munich

16:45 *Can the heterogeneity of HBV immune responses be used to personalise management?*

Mala Maini, University College London

17:20 *Therapeutic vaccination to cure HBV - from bench to bedside*

Ulrike Protzer, Helmholtz Munich/Technical University of Munich

17:55 *How Checkpoint Blockade during T cell priming shapes their fate and heterogeneity: Implications for personalized vaccination strategies*

Tobias Böttler, Medical Center – University of Freiburg

18:30 Selected lightning talks from abstracts

18:40 **END OF SCIENTIFIC PROGRAM**

CONFERENCE DINNER

19:00 Conference venue Schloss Herrenhausen
[registration needed]

SATURDAY, 21 March 2026

08:00 **REGISTRATION**

SETTING THE STAGE FOR PERSONALIZED MEDICINE

Chair: **Christine Falk**, Hannover Medical School

09:00 *tba*

Nisar Malek, University Hospital Tübingen

09:20 *Building the Foundations for Personalized Infection Medicine*

Markus Cornberg, Centre for Individualised Infection Medicine

09:40 *Hepatitis D as a Model for Precision Infection Medicine: From Research to Personalized Care*

Heiner Wedemeyer, Hannover Medical School

SESSION V: Individualized therapy in infection

Chairs: **Kathrin de la Rosa**, Centre for Individualised Infection Medicine

& **Ulrich Kalinke**, TWINCORE

10:00 *Engineering Precision Immunity: Personalized TCR-T Cell Therapy Against Infections*

Dirk Busch, Technical University of Munich

10:35 **BREAK**

11:00 *Tailored T-cell therapy for viral infections in immunocompromised patients*

Britta Eiz-Vesper, Hannover Medical School

11:35 *The impact of specialised regulatory T cells on humoral responses and antibody production*

Luis Graca, Gulbenkian Institute for Molecular Medicine

12:20 *Advances in monoclonal antibodies for the treatment and prevention of viral infections*

Davide Corti, Vir Biotechnology

12:55 Selected lightning talks from abstracts

SUMMARY & CLOSING

13:05 **Poster Award**

13:15 **Yang Li and Markus Cornberg**, Centre for Individualised Infection Medicine

13:30 **END OF SCIENTIFIC PROGRAM**