

HCTI Opening Symposium

18th- 20th September, 2024 Hamburg, Germany

University Medical Center Hamburg-Eppendorf
Campus Lehre, Building N55, Ground Floor and
HCTI – Hamburg Center for Translational Immunology,
Building N25, Ground Floor

Program (draft)

Wednesday, 18th September

5:00 - 5:40 pm	
Welcome Address and Opening Remarks - Campus Lehre (N55), Ian K. Karan Lecture Hall	
Moderation: Nicola Tomas	
5:00 - 5:10	Katharina Fegebank Second Mayor of Hamburg and Senator for science, Research and Equality
5:10 - 5:20	Christian Gerloff Medical Director and Chairman of the Board University Medical Center Hamburg-Eppendorf (UKE)
5:20 - 5:30	Blanche Schwappach-Pignataro Member of the Board and Dean of the Medical Faculty University Medical Center Hamburg-Eppendorf (UKE)
5:30 - 5:40	Ulf Panzer Chairman of the Hamburg Center of Translational Immunology (HCTI) University Medical Center Hamburg-Eppendorf (UKE)
5:40 - 6:20 pm	
Keynote Lecture - Campus Lehre (N55), Ian K. Karan Lecture Hall	
Chair: Manuel Friese & Eva Tolosa	
Burkhard Becher University of Zurich (UZH) <i>Discovery of a new GM-CSF dependent macrophage in mammalian development</i>	
6:30 - 9:30 pm: Welcome Reception	
HCTI - Hamburg Center of Translational Immunology (N25), Ground Floor	

Thursday, 19th September

9:00 - 10:40 am	
Session 1: Tissue-resident memory - Campus Lehre (N55), Ian K. Karan Lecture Hall	
Chair: Hans-Willi Mittrücker & Madeleine Bunders	
9:00 - 9:30	Liv Eidsmo University of Copenhagen <i>Local and distal renewal of resident T cells in human skin</i>
9:30 - 10:00	Chiara Romagnani Deutsches Rheuma-Forschungszentrum Berlin <i>NK cell clonality and memory</i>
10:00 - 10:15	Ulf Panzer University Medical Center Hamburg-Eppendorf, UKE <i>Immune profiling-based treatment of autoimmune kidney diseases</i>
10:15 - 10:30	Nicola Gagliani University Medical Center Hamburg-Eppendorf, UKE <i>Effects of short-term dietary interventions on immunity and tumor therapies</i>
10:30 - 10:40	Nariaki Asada University Medical Center Hamburg-Eppendorf, UKE <i>Role of CXCL13-producing follicular T helper cells in the formation of ectopic lymphoid tissue and local immunity</i>
10:40 - 11:00 am: Coffee Break	
11:00 am - 12:10 pm	
Session 2: At the crossroads of innate and adaptive immunity - Campus Lehre (N55), Ian K. Karan Lecture Hall	
Chair: Britta Zecher & Chiara Romagnani	
11:00 - 11:30	Erin Adams The University of Chicago <i>Understanding unconventional antigen presentation and its potential for immunotherapeutic targeting</i>
11:30 - 11:40	Björn-Philipp Rissiek University Medical Center Hamburg-Eppendorf <i>Initial Ca²⁺ microdomains in T cells - Role of extra and intracellular adenine nucleotides</i>
11:40 - 11:55	Immo Prinz University Medical Center Hamburg-Eppendorf, UKE <i>Innate and adaptive $\gamma\delta$ T cells</i>
11:55 - 12:10	Marcus Altfeld University Medical Center Hamburg-Eppendorf, UKE <i>HLA class II-dependent regulation of NK cell function</i>
12:10 - 12:20	Lorenz Adlung University Medical Center Hamburg-Eppendorf, UKE <i>scMod: From single-cell data to immune dynamics</i>

12:20 - 2:15 pm: Networking Lunch & Poster Session

HCTI - Hamburg Center of Translational Immunology (N25), Ground Floor

2:20 - 4:10 am

Session 3: Translational Immunology - Campus Lehre (N55), Ian K. Karan Lecture Hall

Chair: Regine Dress & Tim Magnus

2:20 - 2:50

Francisco Quintana
Harvard Medical School
Regulation of CNS inflammation

2:50 - 3:20

Marco Prinz
University of Freiburg
The myeloid side of the brain

3:20 - 3:35

Petra Arck
University Medical Center Hamburg-Eppendorf, UKE
Towards decoding the space-time continuum of pregnancy

3:35 - 3:50

Tobias Huber
University Medical Center Hamburg-Eppendorf, UKE
Immune mediated kidney disease: From endotypes to patient cure

3:50 - 4:00

Felicitas Hengel
University Medical Center Hamburg-Eppendorf
Nephrin autoantibodies in glomerular disease

4:00 - 4:20 pm: Coffee Break

4:20 - 6:00 pm

Session 4: T cell immune responses - Campus Lehre (N55), Ian K. Karan Lecture Hall

Chair: Nicola Gagliani & Petra Arck

4:20 - 4:50

Axel Kallies
The University of Melbourne, Doherty Institute
Differentiation and function of cytotoxic T cells in chronic infection and cancer

4:50 - 5:20

Christina Zielinski
Leibniz Institute for Natural Products Research and Infection Biology
Regulation of CD8 T cell cytotoxicity by ionic signals in the tumor microenvironment

5:20 - 5:35

Madeleine Bunders
University Medical Center Hamburg-Eppendorf, UKE
Epithelial cell-lymphocyte networks regulating intestinal development

5:35 - 5:50

Samuel Huber
University Medical Center Hamburg-Eppendorf, UKE
Spatio-temporal regulation of inflammation and tissue regeneration in the intestine

5:50 - 6:00

Jana Sonner
University Medical Center Hamburg-Eppendorf, UKE
The GDF-15–GFRAL axis controls autoimmune T cell responses during CNS inflammation

Friday, 20th September

9:00 - 9:40 am	
Keynote Lecture - Campus Lehre (N55), Ian K. Karan Lecture Hall	
Chair: Ulf Panzer & Gisa Tiegs	
9:00 - 9:40	Sarah Gaffen University of Pittsburgh <i>At the crossroads of IL-17 signaling in autoimmunity and host defense</i>
9:40 - 11:00 am	
Session 5: Immunity in tissues - Campus Lehre (N55), Ian K. Karan Lecture Hall	
Chair: Ulf Panzer & Gisa Tiegs	
9:40 - 10:10	Christoph Kuppe RWTH Aachen University <i>Application of spatial-metabonomics in heart and kidney disease</i>
10:10 - 10:20	Young Researcher (tba)
10:20 - 10:35	Tim Magnus University Medical Center Hamburg-Eppendorf, UKE <i>Immunological Networks in Ischemic Stroke: latest Data from Mice and Men</i>
10:35 - 10:50	Christoph Schramm University Medical Center Hamburg-Eppendorf, UKE <i>T cells in the liver: disease drivers and therapeutic targets</i>
10:50 - 11:00	Ines Sophie Schädlich University Medical Center Hamburg-Eppendorf, UKE <i>BrEndO - a new mouse model for cerebral vasculitis</i>
11:00 - 11:20 am: Coffee Break	
11:20- 12:45 pm	
Session 6: Systems Immunology - Campus Lehre (N55), Ian K. Karan Lecture Hall	
Chair: Immo Prinz & Liv Eidsmo	
11:20 - 11:50	Wolfgang Kastenmüller Uniklinikum Würzburg <i>A distinct phase of CD8 T cell priming selects high affinity clones and scales effector cell formation</i>
11:50 - 12:05	Manuel Friese University Medical Center Hamburg-Eppendorf, UKE <i>Understanding the neuronal inflammatory response to halt neurodegeneration in multiple sclerosis</i>
12:05- 12:20	Christian Krebs University Medical Center Hamburg-Eppendorf, UKE <i>Decoding the T cell immunity by combined multiplex spatial analysis of the inflammatory niche and crescent development in kidney autoimmune disease</i>
12:20 - 12:35	Stefan Bonn University Medical Center Hamburg-Eppendorf, UKE <i>Understanding common and distinct principles across immune-mediated kidney disease using computational medicine</i>
12:35 - 12:45	Robin Khatri University Medical Center Hamburg-Eppendorf <i>Computational deconvolution to study complex tissue microenvironments</i>
Closing Remarks: Petra Arck, University Medical Center Hamburg-Eppendorf (UKE)	