

International Meeting

HCTI Opening Symposium

18th – 20th September 2024 | 20246 Hamburg | Germany



Hamburg Center for
Translational Immunology
(HCTI)

Program | Wednesday, 18th September

9:00 am - 2:30 pm

HSII Pre-Opening Symposium

Hamburg Center for Translational Immunology (N25),
Lecture Hall Ground Floor

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 for 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)
Discovery of a new GM-CSF dependent macrophage in
mammalian development

6:30–9:30 pm

Welcome Reception

Hamburg Center for Translational Immunology (N25), Ground Floor

Program | 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
Local and distal renewal of resident T cells in human skin

9:30–10:00

Chiara Romagnani

Deutsches Rheuma-Forschungszentrum Berlin
NK cell clonality and memory

10:00–10:15

Ulf Panzer

University Medical Center Hamburg-Eppendorf, UKE
Immune profiling-based treatment of autoimmune
kidney diseases

10:15–10:30

Nicola Gagliani

University Medical Center Hamburg-Eppendorf, UKE
Effects of short-term dietary interventions on immunity
and tumor therapies

10:30–10:40

Nariaki Asada

University Medical Center Hamburg-Eppendorf, UKE
Role of CXCL13-producing follicular T helper cells in the
formation of ectopic lymphoid tissue and local immunity

10:40–11:00 am | **Coffee Break**

11:00–12:20 am | 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
Understanding unconventional antigen presentation
and its potential for immunotherapeutic targeting

11:30–11:40

Björn-Philipp Diercks

University Medical Center Hamburg-Eppendorf, UKE

Initial Ca²⁺ microdomains in T cells –

Role of extra and intracellular adenine nucleotides

11:40–11:55

Immo Prinz

University Medical Center Hamburg-Eppendorf, UKE

Innate and adaptive $\gamma\delta$ T cells

11:55–12:10

Marcus Altfeld

University Medical Center Hamburg-Eppendorf, UKE

HLA class II-dependent regulation of NK cell function

12:10–12:20

Lorenz Adlung

University Medical Center Hamburg-Eppendorf, UKE Hamburg

scMod: From single-cell data to immune dynamics

12:20–2:20 pm

Networking Lunch & Poster Session

Hamburg Center for Translational Immunology (N25), Ground Floor

2:20–4:00 pm | 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, UKE

Nephrin autoantibodies in glomerular disease

4:00–4:20 am | **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 & 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

Program | 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

At the crossroads of IL-17 signaling in autoimmunity and host defense

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

Application of spatial-multiplexing in heart and kidney disease

10:10–10:20

Marie Weskamm

University Medical Center Hamburg-Eppendorf, UKE

Dissecting immune responses to vaccination using systems vaccinology

10:20–10:35

Tim Magnus

University Medical Center Hamburg-Eppendorf, UKE

Immunological Networks in Ischemic Stroke: latest Data from Mice and Men

10:35–10:50

Christoph Schramm

University Medical Center Hamburg-Eppendorf, UKE

T cells in the liver: disease drivers and therapeutic targets

10:50–11:00

Ines Sophie Schädlich

University Medical Center Hamburg-Eppendorf, UKE

BrEndO – a new mouse model for cerebral vasculitis

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

A distinct phase of CD8 T cell priming selects high affinity clones and scales effector cell formation

11:50–12:05

Manuel Friese

University Medical Center Hamburg-Eppendorf, UKE

Understanding the neuronal inflammatory response to halt neurodegeneration in multiple sclerosis

12:05–12:20

Christian Krebs

University Medical Center Hamburg-Eppendorf, UKE

Decoding the T cell immunity by combined multiplex spatial analysis of the inflammatory niche and crescent development in kidney autoimmune disease

12:20–12:35

Stefan Bonn

University Medical Center Hamburg-Eppendorf, UKE

Understanding common and distinct principles across immune-mediated kidney disease using computational medicine

12:35–12:50

Robin Khatri

University Medical Center Hamburg-Eppendorf, UKE

Computational deconvolution to study complex tissue microenvironments

12:25–12:35

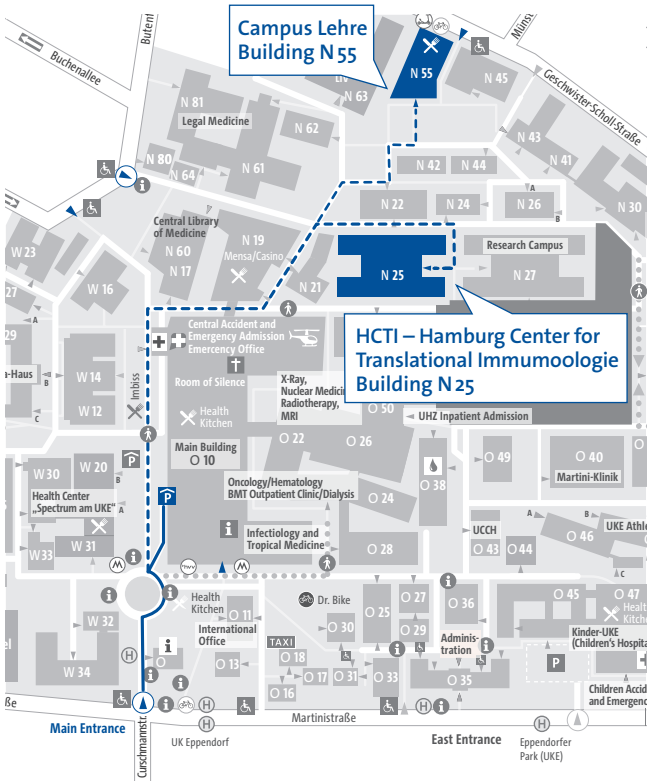
Lorenz Adlung

University Medical Center Hamburg-Eppendorf, UKE
scMod: From single-cell data to immune dynamics

Closing Remarks: Petra Arck

University Medical Center Hamburg-Eppendorf (UKE)

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