Leibniz Center Infection (LCI)

The LCI is a dynamic and flexible research alliance of three internationally renowned Leibniz Institutes in the North of Germany:

Bernhard Nocht Institute for Tropical Medicine, Hamburg

Research Center Borstel - Leibniz Lung Center, Borstel

Leibniz Institute for Virology, Hamburg

Together, they combine more than 270 years of excellence in infection research and provide a stimulating environment for about 470 scientists studying all aspects of a broad range of infectious diseases. The united expertise in parasitic, bacterial and viral infections perfectly qualifies LCI as the center for infection research.

For more information, please visit
www.lc-infection.de

Leibniz Association

REGISTRATION DEADLINE
JANUARY 20, 2023

Register online:

www.lc-infection.de/de/termine

Registration is free of charge.

Certified by the
General Medical Council
13 points

LEIBNIZ CENTER INFECTION

InterACt
Leibniz ScienceCampus

LEIBNIZ INFECTIONS

Cover picture:
3D rendering of contacts between mitochondria (oval shapes) and the ER (red cisternae).
© Robert Gebauer, Grünewald group, CSSB, Hamburg

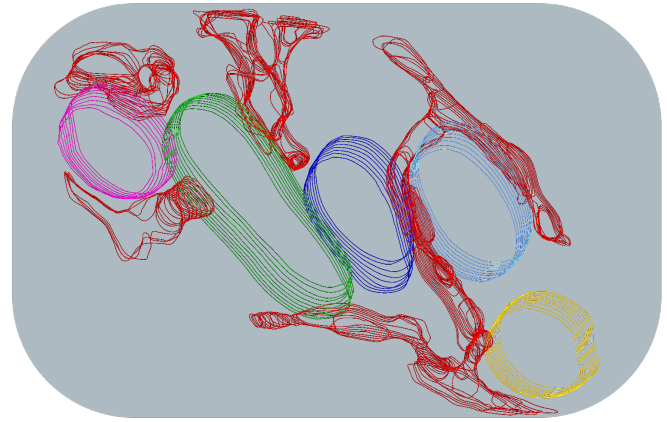
LEIBNIZ CENTER INFECTION

LCI Symposium 2023

Compartments in Infection

January 26-27

Historic Lecture Hall
Bernhard Nocht Institute for Tropical Medicine (BNITM)



Organizers
Prof. Jürgen May (BNITM)
Prof. Ulrich E. Schaible (FZB)
Prof. Thomas Dobner (LIV)

LEIBNIZ CENTER INFECTION

LCI-Symposium 2023
Compartments in Infection

Registration Deadline
January 20, 2023

THURSDAY, January 26

10:00 **Arrival, Registration & Welcome Coffee**

10:50 Opening by Thomas Dobner (acting speaker of LCI), LIV, Hamburg

Session 1: Membrane modulations in infection

Chair: Thomas Gutsmann, FZB, Borstel

Keynote Lecture

11:00 **Tobias Spielmann**, BNITM, Hamburg
Critical funcions at the parasitophorous vacuolar membrane of malaria blood stage parasites

12:00 **Lunch & Coffee**

13:00 Hubert Hilbi, UZH Zurich, Switzerland
Formation of a pathogen vacuole according to Legionella

13:30 Lena Pernas, MPI for Biology of Ageing, Cologne
Mitochondria-microbe conflict

14:00 Andra Schromm, FZB, Borstel
Inflammation control by membrane active peptides: mechanisms and specificity

14:30 Nahla Galal Metwally, BNITM, Hamburg
Role of extracellular vesicles in the pathogenesis of Plasmodium falciparum infection

15:00 **Coffee & group picture**

Session 2: Non-membranous compartments in infection

Chair: Jens Bosse, CSSB, Hamburg

Keynote Lecture

15:30 **Simon Alberti**, TU Dresden
Biomolecular condensates at the nexus of cellular stress, disease and aging

16:30 Maria João Amorim, IGC, Oeiras, Portugal
Rules for hardening influenza A virus liquid condensates

17:00 Lucas Pelkmans, UZH, Zurich, Switzerland
n.n.

17:30 Enrico Caragliano, LIV, Hamburg
Human cytomegalovirus forms phase-separated compartments at viral genomes to facilitate viral replication

18:00 **Cocktail Reception - Meet the Speakers**

19:00 **Speakers Dinner**

Friday, January 27

Session 3: Cytoskeletal processes in infection

Chair: Tim Gilberger, BNITM, Hamburg

Keynote Lecture

9:00 **Walter Mothes**, University New Haven, Yale, USA
Imaging retroviruses and SARS-CoV-2 across spatial and temporal scales

10:00 Friedrich Frischknecht, University Heidelberg
From divergent Plasmodium cytoskeletons to new experimental malaria vaccines

10:30 **Coffee**

11:00 Michael Hensel, University Osnabruck
Reorganization of host cell actin cytoskeleton and endosomal system during infection by Salmonella enterica

11:30 Josie Ferreira, BBK London, UK
The malaria parasite's changing cytoskeleton adapts cell shape to suit environmental niche

12:00 **Lunch & Coffee**

Session 4: Role of lysosome & phagosome in infection

Chair: Wolfram Brune, LIV, Hamburg

Keynote Lecture

13:00 **Maximilian Gutierrez**, Francis Crick Institute London, UK
Host cell environments and antibiotic efficacy in Tuberculosis

14:00 Stefan Linder, UKE, Hamburg
Uptake and intracellular processing of the Lyme disease pathogen Borrelia by human macrophages

14:30 **Coffee**

15:00 Caroline Barisch, University Osnabruck
Hostile takeover: host lipid acquisition by pathogenic mycobacteria

15:30 Thomas Braulke, UKE, Hamburg
LYSET: an essential Golgi protein for lysosomal enzyme transport and viral infection

16:00 **Farewell Address** by Ulrich Schaible, FZB, Borstel

Certified by the General Medical Council with **13 points**

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