

Leibniz Center Infection (LCI)

The Leibniz Center Infection (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
(www.bni-hamburg.de)



Research Center Borstel - Leibniz
Center for Medicine and
Biosciences, Borstel
(www.fz-borstel.de)



Heinrich Pette Institute, Leibniz
Institute for Experimental Virology,
Hamburg (www.hpi-hamburg.de)

Together, they combine 220 years of excellence in infection research and provide a stimulating environment for about 600 scientists studying all aspects of a broad range of infectious diseases. The united expertise in parasitic, bacterial and viral infections optimally qualifies the LCI as the center for infection research.

REGISTRATION DEADLINE 31.12.2011

Register now as space will be limited.

Please send your E-Mail to:

spaetzold@fz-borstel.de

The registration desk will open at
13:00 on January 19
and at
8:30 on January 20.

Registration is free of charge. Participants are expected to meet their own accommodation and travel expenses.

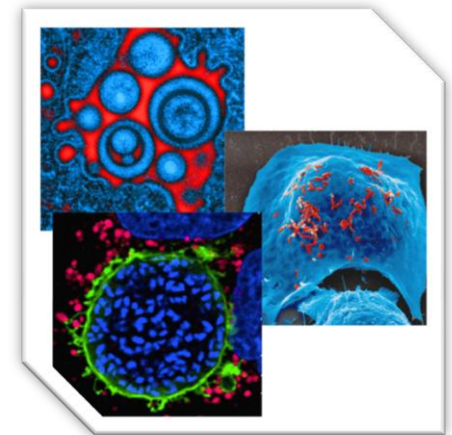
We gratefully acknowledge the support of:



LCI-Symposium Imaging Infection 2012

January 19 – 20

Historic Lecture Hall
Bernhard Nocht Institute for Tropical Medicine
Hamburg



Organizing committee:

Prof. Dr. Ulrich E. Schaible, FZB, Borstel
Prof. Dr. Thomas Dobner, HPI, Hamburg
Prof. Dr. Rolf D. Horstmann, BNI, Hamburg

THURSDAY, January 19

- 14:00 Opening by Prof. Dr. Ulrich Schaible (FZB, Borstel)
- 14:15 – 16:15 Session 1: Imaging Dynamics and Structure of Infection**
Chair: Dr. Monica Hagedorn (BNI, Hamburg)
- 14:15 – 15:00 **Keynote lecture: Dr. Heinrich Hohenberg (HPI, Hamburg)**
„Imaging of infections: multimodal, correlative or systemic?“
- 15:00 – 15:25 Dr. Michael Schindler (Helmholtz Zentrum, München)
„Imaging the biogenesis of Hepatitis-C virus“
- 15:25 – 15:50 Dr. Tobias Spielmann (BNI, Hamburg)
„Analysis of protein export in malaria blood stages using 4D imaging“
- 15:50 – 16:15 Dr. Rudolph Reimer (HPI, Hamburg)
„Systemic imaging of bacterial and viral infections“
- 16:15 – 16:45 *coffee*
- 16:45 – 18:20 Session 2: Host-Pathogen Interaction on a Subcellular Level**
Chair: Dr. Heinrich Hohenberg (HPI, Hamburg)
- 16:45 – 17:30 **Keynote lecture: Michael Way, PhD (LRI, London)**
„What can vaccinia virus tell us about kinesin-1 dependent microtubule transport?“
- 17:30 – 17:55 Prof. Dr. med. Jan Rupp (University of Lübeck, Lübeck)
„Imaging of host-pathogen metabolic activities in living cells“
- 17:55 – 18:20 Dr. Monica Hagedorn (BNI, Hamburg)
„Dissecting mycobacteria infection in an amoeba host“

18:20 *finger food and drinks*

FRIDAY, January 20

- 09:00 – 10:35 Session 3: Towards Molecular Imaging**
Chair: Prof. Dr. Rolf Horstmann (BNI, Hamburg)
- 09:00 – 09:45 **Keynote lecture: Dr. Kay Grünewald (STRUBI, Oxford)**
„Imaging virus-host interactions by electron cryo tomography and complementary approaches“
- 09:45 – 10:10 Prof. Dr. Thomas Gutschmann (FZB, Borstel)
„Atomic force microscopy: infections on the molecular level“
- 10:10 – 10:35 Prof. Dr. Christian Hübner (University of Lübeck, Lübeck)
„Single molecule fluorescence as a tool to study protein complexes“
- 10:35 – 11:00 *coffee*
- 11:00 – 12:35 Session 4: The Ultrastructure of Infection**
Chair: Prof. Dr. Stefan Ehlers (FZB, Borstel)
- 11:00 – 11:45 **Keynote lecture: Prof. Dr. Beate Sodeik (MHH, Hannover)**
„Herpes Simplex Virus - a hitchhikers' guide to the cell: microtubule transport during virus assembly and cell entry“
- 11:45 – 12:10 Dr. Volker Brinkmann (MPIIB, Berlin)
„Neutrophil Extracellular Traps: imaging innate immune response“
- 12:10 – 12:35 Prof. Dr. Volker Heussler (University of Bern, Bern)
„Plasmodium liver stage: membrane dynamics during parasite egress“
- 12:35 – 13:45 *lunch*

13:45 – 15:20 Session 5: Taking a Deep Look into Tissues
Chair: Prof. Dr. Thomas Dobner (HPI, Hamburg)

- 13:45 – 14:30 **Keynote lecture: W. Paul Duprex, PhD (Boston University, Boston)**
„Lighting up paramyxovirus pathogenesis: is virus eradication a reality, a redundant concept or a risk?“
- 14:30 – 14:55 Prof. Dr. Heinz Fehrenbach (FZB, Borstel)
„How many cells are in a tissue section - an overview on quantitative approaches to histopathology“
- 14:55 – 15:20 PD Dr. Andreas Frey (FZB, Borstel)
„Molecular contrast agents for biomedical imaging“
- 15:20 – 16:00 *coffee*
- 16:00 – 17:35 Session 6: In Vivo Monitoring of Infection Processes**
Chair: Prof. Dr. Heinz Fehrenbach (FZB, Borstel)
- 16:00 – 16:45 **Keynote lecture: Ron Germain, MD, PhD (NIAID, Bethesda)**
„Dynamic intravital imaging of immune effector responses to infectious agents“
- 16:45 – 17:10 Dr. Andrea Zelmer (LSHTM, London/FZB, Borstel)
„Imaging of tuberculosis for drug testing“
- 17:10 – 17:35 Dr. med. Peter König (University of Lübeck, Lübeck)
„Watching the defense of the airways at work“
- 17:35 Farewell address by Prof. Dr. Ulrich Schaible (FZB, Borstel)
- 18:30 *speakers' dinner*