



We make it visible.

# Imaging Immunity

Pre-Congress Satellite Meeting  
to the 2nd European Congress of Immunology, ECI 2009

Organizers:

Matthias Gunzer, PhD

Peter Reichardt, MD, PhD

Institute of Molecular and Clinical Immunology

University of Magdeburg, Germany

matthias.gunzer@med.ovgu.de

peter.reichardt@med.ovgu.de

Tel +49-(0)391-67-15382

Tel +49-(0)391-67-17888

Fax +49-(0)391-67-15394

Fax +49-(0)391-67-15852

Date: **September 12-13, 2009, Berlin, Germany**

Location: **International Congress Center (Main congress location), ICC Berlin**

Registration and Further Information:

Main Congress Site: <http://www.eci-berlin2009.com>

Meeting Site:

[http://www.eci-berlin2009.com/eci2009/redaktion/uebersicht/Imaging\\_Immunity\\_Program\\_final.pdf](http://www.eci-berlin2009.com/eci2009/redaktion/uebersicht/Imaging_Immunity_Program_final.pdf)

# Scientific Programme

## Saturday, September 12, 2009

### **(1) Cellular Imaging in vitro and in situ**

13:00 - 13:30 Cell migration, actin dynamics  
Michael Sixt (Munich)

13:30 – 14:00 Lymphocyte imaging on lymph node slices  
Emmanuel Donnadieu (Paris)

### **(2) Molecular Imaging**

14:00 – 14:30 Imaging of ATP consumption by in vivo luminescence  
Francesco Di Virgilio (Ferrara)

14:30 – 15:00 PET/MRI Imaging in small animals and humans  
Stefan Wiehr (Tuebingen)

15:00 – 15:30 TIRF of B-cell activation  
Facundo Batista (London)

### **15:30 – 16:00 Coffee Break**

### **(3) Cellular Imaging *in vivo* – lymphocytes and tumor cells**

16:00 – 16:30 B-cell migration in germinal centers  
Anja Hauser (Berlin)

16:30 – 17:00 Cancer cell migration in vivo, use of OPO in intravital 2-P microscopy  
Peter Friedl (Nijmegen)

17:00 – 17:30 T-cell migration in EAE  
Alexander Flügel (Munich)

17:30-18:00 Form and Function - Lymph node's fine architecture  
Peter Reichardt (Magdeburg)

### **18:00 – 19:30 Snacks**

*20:30 23:00 Speakers' Dinner*

## Sunday, September 13, 2009

### **(4) Cellular Imaging in vivo – Phagocytes and pathogens**

09:00 – 09:30 Macrophage migration in vivo  
Frederic Geissmann (London)

09:30 – 10:00 Imaging motile pathogens during transmission of malaria  
Freddy Frischknecht (Heidelberg)

10:00 – 10:30 Cell migration in the bone marrow  
Matthias Gunzer (Magdeburg)

### **(5) New and unconventional imaging approaches**

10:30 – 11:00 Photoactivated localization microscopy (PALM)  
Harald Hess (Janelia Farm, Ashburn, VA)

11:00 – 11:30 Super high resolution optical microscopy  
Roman Schmidt (Goettingen)

**11:30 – 12:00 Coffee Break**

12:00 – 12:30 Atomic force microscopy of T cell-APC synapse formation  
Günter Hämmerling (Heidelberg)

12:30 – 13:00 Micropatterned chips for CD4-LCK interaction kinetics  
Hannes Stockinger (Vienna)

**(6) Towards automated image analysis and interpretation**

13:00-13:30 Chances and traps in the interpretation of two-photon imaging experiments  
Michael Meyer-Hermann (Frankfurt/Main)

13:30 – 14:00 Novel approaches for automatic cell tracking in 4-D data stacks  
Jorge Carneiro (Lisbon)

**14:00 – 15:00 Late Lunch and Industrial Talks**

*17:00 – 19:00 Opening Ceremony / Welcome Reception Main Congress ECI 2009*