Arrival

By car: you can take the A 2 Dortmund - Hanover, exit at “Bielefeld-Zentrum”, follow the street signs towards the center (“Zentrum”), and from there follow the signs to “Werther”. From the “Werther-strasse”, the ZiF is on the left side on the slope of the hill. The entrance is signposted.

By train: Bielefeld can be reached from any major town by trains running on an hourly schedule (Eurocity train system: marked EC, IC, or ICE on the train schedule). From Bielefeld's main station you can either take a taxi to the ZiF (approx. EUR 10,-) or take the underground tram line 4 (destination “Universität” or “Lohmannshof”). From the tram stop “Universität” you can reach the ZiF by walking up the hill behind the main building of Bielefeld University (the way is signposted).

By plane: European flights: Düsseldorf airport is the most convenient airport to reach Bielefeld and has direct ICE train connections (usually more than one connection per hour, travel time ~1.5 hours).
Intercontinental flights: Frankfurt airport is the appropriate destination for intercontinental flights and has direct ICE train connection to Bielefeld (usually more than one connection per hour, travel time ~3 hours).

From the hotels (“Tulip Inn” or “Mövenpick”) to the venue (ZiF):
Both hotels are located close to a tram station. Take tram line 4, destination “Universität” or “Lohmannshof”. From the tram stop “Universität” you can reach the ZiF by walking up the hill behind the main building of Bielefeld University (the way is signposted).

Organization

A. Gölzhäuser, T. Nattkemper, K. Niehaus,
A. Pühler, M. Sauer

Information

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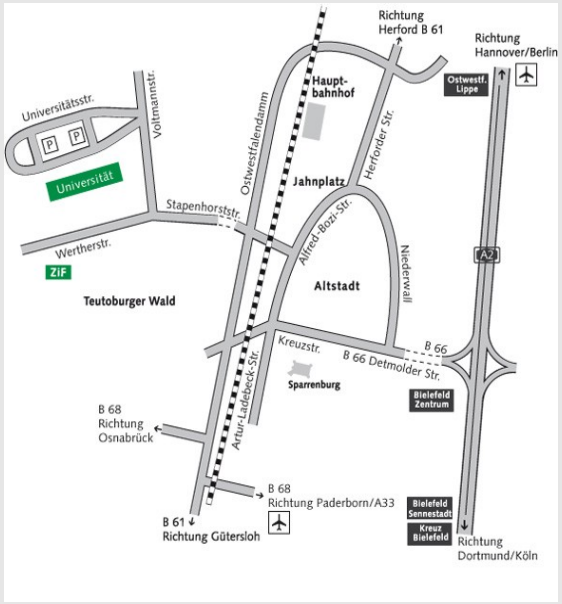
Fax +49 521 106 5626
BioImaging2009@cebitec.uni-bielefeld.de

Registration

For details regarding registration please see http://www.cebitec.uni-bielefeld.de/ symposium/ bioimaging

Location

Center for Interdisciplinary Research (ZiF),
Wellenberg 1, 33615 Bielefeld
http://www.uni-bielefeld.de/ZiF



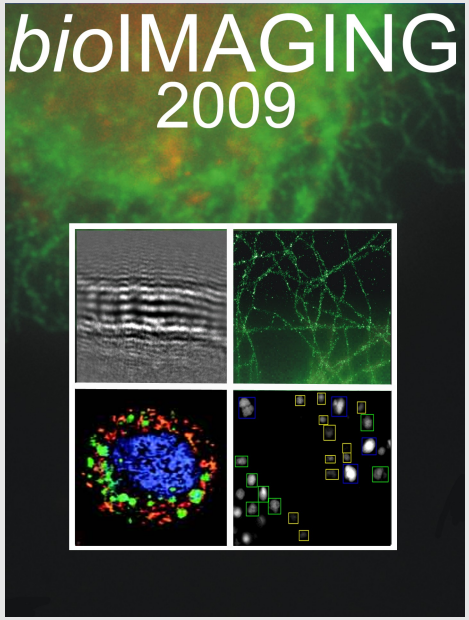
CeBiTec

Universität Bielefeld
ZiF

4th CeBiTec Symposium

August 25th to 27th, 2009

Bielefeld University/Germany
Center for Interdisciplinary Research (ZiF)



- Beyond Optical Microscopy -
- High Resolution Microscopy in Biology -
- From Life Cell Imaging to Systems Biology -
- Bioimaging Informatics -

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http://www.cebitec.uni-bielefeld.de/symposium/bioimaging

Invitation

The Center for Biotechnology (CeBiTec) of Bielefeld University cordially invites you to attend the international symposium "*bio*IMAGING 2009" which will be held at the Center for Interdisciplinary Research (ZiF) of Bielefeld University from August 25th to 27th, 2009.

The major topics to be addressed are:

- **Beyond Optical Microscopy**
- **High Resolution Microscopy in Biology**
- **From Life Cell Imaging to Systems Biology**
- **Bioimaging Informatics**

Looking forward to welcome you in Bielefeld to an exciting meeting!

Tuesday, August 25th, 2009

W. Baumeister – MPI Martinsried, DE
Cryoelectron microscopy: from molecules to systems

S. Hell – MPI Göttingen, DE
Far-field optical nanoscopy

C. Hawes – Oxford Brookes University, UK
Live cell imaging to explore plant secretory pathway dynamics

W. Schubert – Universität Magdeburg, DE
Toponome imaging microscopy MELC/TIS in cell biology and translational medicine

- Vernissage - Carl Strüwe, "Weiß über Grau schwebend", microphotographies 1926 - 1959, curator: Gottfried Jäger

- Conference Dinner -

Wednesday, August 26th, 2009

- Beyond Optical Microscopy -

T. Salditt – Universität Göttingen, DE
Biological imaging with coherent x-rays: lense-less approaches to high resolution

I. Vartaniants – DESY Hamburg, DE
Imaging of biological samples with coherent x-rays

A. Rosenhahn – Universität Heidelberg, DE
Digital in-line holographic microscopy of biological samples

L. Scipioni – Carl Zeiss, USA
True surface information in biological imaging: looking at uncoated samples in the helium ion microscope

D. Pickard – Nat. University of Singapore, SG
Imaging of biomaterials and cells with the helium ion microscope

- High Resolution Microscopy in Biology -

C. Eggeling – MPI Göttingen, DE
STED microscopy reveals nanoscale details of membrane dynamics

P. Tinnefeld – LMU München, DE
Make them blink: photophysics for super-resolution

J. Enderlein – Universität Göttingen, DE
Breaking the diffraction limit with dynamic saturation optical microscopy

V. Adam – KU Leuven, BE

S. van de Linde – Universität Bielefeld, DE
Super-resolution imaging with small organic fluorophores

- Poster session -

- Presentations by companies -

Thursday, August 27th, 2009

- From Life Cell Imaging to Systems Biology -

E. Stelzer – EMBL Heidelberg, DE
Light sheet based fluorescence microscopy (LSFM, SPIM, DSLM)

T. Walter – EMBL Heidelberg, DE
Automatic identification and clustering of chromosome phenotypes in the context of high-throughput screening by time-lapse microscopy

T. Gadella – Swamerdamm Institut, Amsterdam, NL
Imaging signalling across the plasmamembrane with genetic encoded fluorescent biosensors

J. Regtmeier – Universität Bielefeld, DE
Space- and time-resolved protein dynamics in single bacteria cells observed on a chip

N. Jensen – Universität Bielefeld, DE
High content analysis of living cells to identify and characterise the cytotoxicity of bacterial extracts

T. Seidel – Universität Bielefeld, DE
Visualization of protein complex formation by *in vivo* FRET

- Bioimaging Informatics -

J. Swedlow – University of Dundee, UK
The open microscopy environment: informatics and quantitative analysis for biological microscopy

L. P. Coelho – CMU, Pittsburgh, USA
Proteome-scale analysis and modeling of subcellular location

P. Serocka – MPI, Shanghai, CN
Visual and statistical analysis tools for multivariate image data

J. Ontrup – Universität Bielefeld, DE
Web-based visualization and exploration of complex fluorescence microscopy data sets

J. Herold – Universität Bielefeld, DE
Segmentation based exploration of multivariate fluorescence microscopy data from tissue samples