

1ST INTERNATIONAL SYMPOSIUM

NanoBio
VIEWS

A forum for applications of optical tweezers
and related technologies in life sciences

OPTICAL TWEEZERS

IN LIFE SCIENCES

ANNOUNCEMENT

15 MAY 2008

powered by
JPK
Instruments

MAGNUS HAUS
Am Kupfergraben 7
10117 Berlin, Germany



ANNOUNCEMENT

PROGRAM

OPTICAL TWEEZERS IN LIFE SCIENCE

A forum for applications of optical tweezers and related technologies in life sciences

15 MAY 2008, Berlin • Germany

Magnus Haus • Am Kupfergraben 7 • 10117 Berlin

NanoBioVIEWS™

NanoBioVIEWS™ is the name of a new series of international meetings initiated by JPK Instruments to further the scientific knowledge exchange on instrumentation and applications of nanotechnology in the life sciences.

Scope of the Symposium

Optical tweezers are of increasing importance in the life sciences. NanoBioVIEWS™ wants to push the limits of this technology by establishing a new forum, bringing together the leading research groups of this field in Europe and the US.

PosterAward 2008

Participants are invited to submit posters presenting their current research. A panel of judges consisting of selected invited speakers will award prizes to the authors of the top three posters.

Posters with the following topics are especially encouraged:

- Optical Tweezers instrumentation and related technologies for life science applications
- Using Optical Tweezers in biophysical and biological research

PosterAward
2008

The abstracts should not exceed one DIN A4 page (Times New Roman, 12pt, MS Word file). Authors may submit their abstracts by email to info@nanobioviews.net by 30 April 2008.

08:00 am Registration

1ST SESSION From Technology to Application

09:00 am Opening

Dr. Sven-Peter Heyn (JPK Instruments AG, D)

09:10 am Brownian Motion at Work: From Molecular Mechanics to 2D and 3D Thermal Noise Imaging
Prof. Ernst-Ludwig Florin (University of Texas at Austin, USA)

09:40 am Coated Microspheres Tailored for Optimized Optical Trapping
Dr. Erik Schäffer (Technical University Dresden, D)

10:10 am JPK NanoTracker™

Dr. Helge Eggert (JPK Instruments AG Berlin, D)

10:30 am Coffee Break

2ND SESSION Investigating Single Molecules

11:15 am Grabbing a Molecular Import Machine with Double Beam Tweezers
Prof. Martin Hegner (Trinity College Dublin, IRL)

11:45 am Single Molecule Studies of the Acto-Myosin Motor Using Optical Tweezers
Prof. Justin Molloy (NIRM London, GB)

12:15 pm Studying Microtubule Dynamics with Optical Tweezers
Prof. Marileen Dogterom (AMOLF Amsterdam, NL)

12:45 pm Lunch

3RD SESSION Investigating Cells

02:15 pm In Vivo Studies with Optical Tweezers
Prof. Lene Oddershede (NBI Copenhagen, DK)

02:45 pm Investigating Phagocytosis by Optical Trapping and Tracking
Prof. Alexander Rohrbach (IMTEK Freiburg, D)

03:15 pm Future Aspects of Optical Tweezers in Cell Biology
Prof. Andrea Robitzki (BBZ Leipzig, D)

04:00 pm Poster Session with Drinks

05:30 pm PosterAward and Closing
Torsten Jähne (JPK Instruments AG, D)

Please visit www.nanobioviews.net for the abstracts.

Contact

Petra Dammermann
 JPK Instruments AG
 Tel.: +49 30 5331 12070
 Fax: +49 30 5331 22555
 info@nanobioviews.net

REGISTRATION

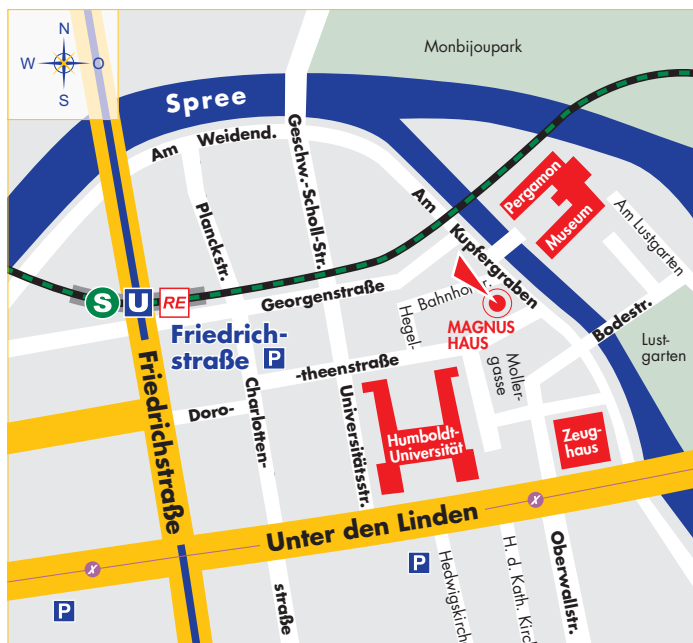
Registration fee*	90 €/45 € students
Poster presenters*	60 €/30 € students
Early registration discount	10% until 27 March 2008
Deadline for registration	30 April 2008

*inkl. VAT

Please register online at www.nanobioviews.net

Location

MAGNUS HAUS • Am Kupfergraben 7 • 10117 Berlin



JPK Instruments AG
 Bouchéstrasse 12
 12435 Berlin, Germany
www.jpik.com

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