

Contact

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REGISTRATION

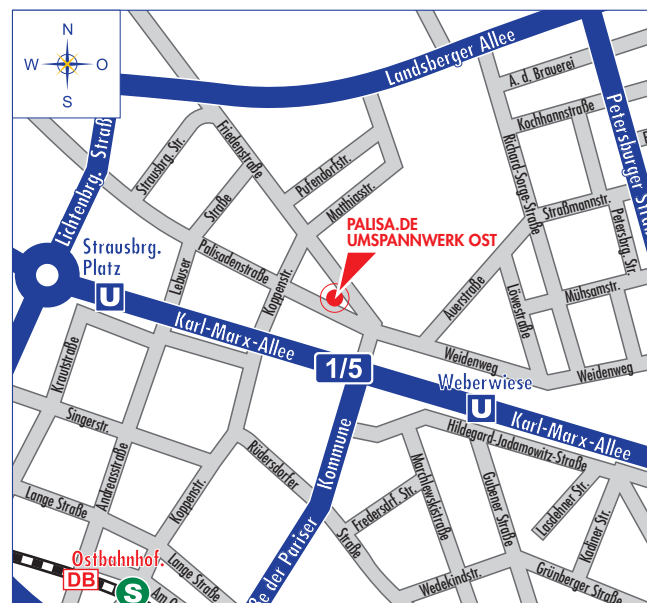
Fee for both days¹⁾	350,- € / 250,- € (students) ^{2,3)}
Fee for one day¹⁾	150,- € / 100,- € (students) ²⁾
Early Bird Special¹⁾ <small>(only when applied for both days)</small>	275,- € / 175,- € (students) ²⁾ until 2 September 2011
Poster presenters	10 % discount
Poster abstract submission	16 September 2011
Deadline for registration	16 September 2011

1) all prices including VAT
 2) including abstracts booklet, lunch and beverages during the breaks
 3) including the conference dinner on October 5th

Please register online at www.nanobioviews.net

Location

PALISA.DE/UMSPANNWERK OST • Palisadenstr. 48 • 10243 Berlin



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

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PosterAward 2011

Participants are invited to present posters about their current research. The SPM poster session takes place on Wednesday, 5th October, the OPTICAL TWEEZERS poster session on Thursday, 6th October. On both days a panel of judges made up of the invited speakers will award prizes to the authors of the top three posters.

Posters with the following topics are especially encouraged:

Scanning Probe Microscopy • 5 October 2011

- SPM in biological or medical research
- Preparation techniques of biomaterials in SPM
- SPM instrumentation for life science applications
- Comparison and integration of SPM with other imaging techniques
- Nanomanipulation and force spectroscopy on the nanoscale

Optical Tweezers • 6 October 2011


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

PosterAward
2011

The abstracts should not exceed one DIN A4 page (Times New Roman, 12 pt, MS Word file). Authors may submit their abstracts by email to info@nanobioviews.net by 16 September 2011.

The abstracts will be published in the conference booklet and will be available as secured PDF files on the NanoBioVIEWS™ website: www.nanobioviews.net.

For abstracts and information of the SPM meetings 2002 to 2007, visit the previous workshop website: www.spm-workshop.jpk.com.

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JOINT MEETING 2011



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



A forum for applications in scanning probe microscopy and related technologies in life sciences

ANNOUNCEMENT

5-6 OCTOBER 2011

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 10243 Berlin, Germany



ANNOUNCEMENT

PROGRAM | 5 OCTOBER 2011

PROGRAM | 6 OCTOBER 2011

10TH INTERNATIONAL SYMPOSIUM ON SCANNING PROBE MICROSCOPY & OPTICAL TWEEZERS IN LIFE SCIENCES

JOINT MEETING 2011 – A forum for applications in scanning probe and optical tweezers technologies in life sciences

5-6 OCTOBER 2011, Berlin • Germany

PALISA.DE/UMSPANNWERK OST
Palisadenstrasse 48 • 10243 Berlin

NanoBioVIEWS™

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

The NanoBioVIEWSTM meetings create an environment to discuss current developments and to generate new ideas.

Scope of the Joint Meeting

The event covers the applications of scanning probe microscopy (SPM) and optical tweezers technology to areas including biophysical, biochemical and medical research. Leaders in the field together with novices are encouraged to learn from each other, discuss the presentations and share their experiences.

Visit www.nanobioviews.net and also the previous SPM workshop website www.spm-workshop.jpk.com to get information, abstracts and impressions of the meetings 2002 to 2010.

 Follow us on facebook!

- 09:00 am Registration
 10:00 am Opening
 10:10 am Scanning probe microscopies beyond imaging: tailoring and unraveling the nanoworld
Prof. Paolo Samori (University of Strasbourg, FR)
 10:40 am Torsional tapping atomic force microscopy for the study of soft matter and biological systems
Dr. Nick Mullan (Group of Jamie Hobbs, University of Sheffield, UK)
 11:10 am Coffee break
 11:40 am High-resolution AFM by tracking the resonance frequency of ultrasmall cantilevers
Dr. Bart Hoogenboom (University College London, UK)
 12:10 pm Stiffness tomography imaging
Giovanni Longo (Group of Sandor Kasas, EPFL, CH)
 12:40 pm Deconstructing nuclear pore complex function by bio-synthetic reconstruction
Prof. Roderick Lim (Basel University, CH)
 01:10 pm Lunch break
 02:30 pm AFM-based single molecule force spectroscopy study of nucleic acid-protein interactions
Prof. Wenke Zhang (Jilin University, CN)
 03:10 pm Applications of AFM within pharmacy: from biology to biopharmaceutical development
Dr. Stephanie Allen (University of Nottingham, UK)
 03:40 pm Coffee break
 04:20 pm Detecting cancer by probing the elastic properties of cells
Dr. Malgorzata Lekka (Polish Academy of Sciences, PL)
 04:50 pm AFM applications in nanomedicine: from microbiology to cardiology
Dr. Etienne Dague (LAAS-CNRS, FR)
 05:20 pm Poster session
 07:30 pm End
 08:00 pm Dinner UMSPANNWERK OST & SPM poster award

- 09:00 am The optical torque wrench for single-molecule biophysics
Prof. Nynke Dekker (Delft University of Technology, NL)
 09:40 am Biochemical cell stimulation with optically manipulated microsources
Dr. Holger Kress (Eindhoven University of Technology, NL)
 10:10 am Coffee break
 10:40 am Structure-mediated micro-to-nano coupling on the BioPhotonics workstation
Prof. Jesper Glückstad (Technical University of Denmark, DK)
 11:10 am Investigation of erythrocytes' cell-cell-adhesion using holographic optical tweezers and atomic force microscopy
Patrick Steffen (Saarland University, DE)
 11:40 am Extending the possibilities of optical manipulation with microstructures of special shape
Prof. Pál Ormos (Hungarian Academy of Sciences, HU)
 12:10 pm Lunch break & poster session
 02:30 pm Sequence, shape, function: a primer to DNA origami
Fabian Kilchherr (Group of Hendrik Dietz, TU Munich, DE)
 03:10 pm Mucin self-interactions studied at the single-molecule-level
Dr. Marit Sletmoen (NTNU Trondheim, NO)
 03:40 pm Coffee break
 04:20 pm Interactions within single pairs of colloids
Prof. Friedrich Kremer (Leipzig University, DE)
 04:50 pm Twist, stretch and melt: quantifying how DNA complies to tension
Dr. ir. Erwin Peterman (VU University Amsterdam, NL)
 05:20 pm Optical tweezers poster award & closing

Please visit www.nanobioviews.net for more information.