

3rd International Workshop – 13 October 2004 Scanning Probe Microscopy in Life Sciences

Registration fee*: 90 Euro / 45 Euro (students)
 Poster presenters: 60 Euro / 30 Euro (students)
 * incl. VAT / MwSt
 Early registration discount: 10%, until 16 August 2004

**Deadline for registration
and registration fee receipt: 11 October 2004 - extended**

Name and Title

Organisation or Company

Department and Position

Address

ZIP Code and City

State and Country

Telephone

Fax

E-mail

Student yes no

(proof of student status required)

Do you want to submit a poster? yes no

Title

Deadline for poster abstract submission: 4 October 2004 - extended

Please mail or fax the registration form to:

Ms. Zsuzsa Konczos

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www.spm-workshop.jpk.com

JPK Instruments AG

Bouchéstrasse 12

12435 Berlin, Germany

www.jpk.com

Workshop location

Charité - Universitätsmedizin Berlin

Campus Virchow-Klinikum, Hörsaal / Lecture Hall 3

Lehrgebäude, Forum 3

Augustenburger Platz 1

13353 Berlin, Germany

3rd International Workshop – 13 October 2004 in Berlin Scanning Probe Microscopy

in Life Sciences



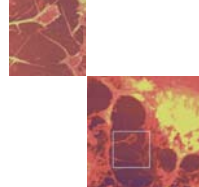
PosterAward
2004



3rd International Workshop 13 October 2004 Scanning Probe Microscopy in Life Sciences

Organizing Committee

Dr. Andreas Jordan - Center of Biomedical Nanotechnology & Dpt. of Radiation Oncology/CVK, Charité, University Medicine, Berlin
Torsten Jähnke - JPK Instruments AG, Berlin



- 9:00 am **Opening**
Dr. Andreas Jordan - Charité, University Medicine Berlin
- 9:10 am **Advanced Dynamic Scanning Probe Microscopies**
Prof. Dr. Harald Fuchs - Department of Physics, Interface Physics Group, Münster University
- 9:50 am **Propulsive Forces Generated by Fast Moving Cells**
Prof. Dr. Josef Käs - Department of Soft Matter Physics, Leipzig University
- 10:30 am **Coffee break and poster session**
- 11:00 am **SPM Studies of Membrane Assemblies**
Dr. Anthony Coleman - Institut de Biologie et Chimie de Protéines, Université de Lyon
- 11:40 am **Aggregation of Alpha-Synuclein in a Temperature-Controlled AFM**
Dr. Thomas Jovin - MPI of Biophysical Chemistry, Göttingen
- 12:20 pm **Lunch and poster session**
- 2:00 pm **Mechanical Experiments with Bio-Molecules: From AFM Based Single Molecule Force Spectroscopy to Force Based Bio-Chips**
Dr. Hauke Clausen-Schaumann - National Research Center for Environment and Health, Neuherberg
- 2:40 pm **Structural Calorimetry of Supported Membranes by Temperature Controlled AFM**
Prof. Dr. Hans-Albert Kolb - Department of Biophysics, Hannover University
- 3:20 pm **Coffee break and poster session**
- 4:00 pm **Implementation of AFM in the Characterization of pharmaceutically relevant Nano-Systems**
Prof. Dr. Udo Bakowsky - Department of Pharmaceutical Technology and Biopharmacy, Marburg University
- 4:40 pm **Poster Award and Closing**
Torsten Jähnke - JPK Instruments AG, Berlin

Please visit www.spm-workshop.jpk.com for the abstracts.

Invitation and ...

For the third time JPK Instruments will hold the international workshop "Scanning Probe Microscopy in Life Sciences" together with the Charité in Berlin.

More than 70 scientists attended this workshop last year and listened to the talks covering the application of scanning probe microscopy (SPM) to areas such as biochemical and medical research.

As last year the workshop will be accompanied by a poster session and presentation of JPK's NanoWizard® AFM during the breaks.

Students as well as advanced researchers are welcome. We look forward to seeing you in Berlin!

... Call for Posters

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For the first time this year the posters will be judged by a scientific jury. The author of the best poster will be awarded with a digital camera.

You are welcome to submit posters with topics concerning

- SPM measurements on biological or medical materials
- special preparation techniques of biomaterials for SPM measurements
- special SPM instrumentation for life science applications
- comparison of SPM with other common methods in life sciences such as SEM / TEM
- nano manipulation and spectroscopy on biomolecules.

The abstracts should not exceed one DIN A4 page (Times New Roman, 12pt, MS Word file) and should be submitted electronically to konczos@jpk.com until **29 September**.

They will be published in the workshop booklet distributed on site during the workshop and will be available as secured PDF-files for download from the workshop web site.