

PRESS RELEASE

JPK Instruments AG opens second Imaging Facility at the BIOZ of the TU Dresden

Berlin, December 16th, 2005 - JPK Instruments AG Berlin has opened the second imaging center for applications of Atomic Force Microscopy in biomedical research. It is located at the Biotechnological Center (BIOZ) of the TU Dresden. Four complete workstations consisting of optical microscopes, the JPK NanoWizard® BioAFM and CellHesion® Modules provide an extensive base for applications in research, education and demonstrations. Workshops and user training sessions will be held regularly.

The spectrum of applications of the instruments covers LiveCell imaging in combination with fluorescence and confocal microscopy, single molecule experiments on membrane proteins, and force spectroscopy measurements on single molecules and cells. Besides the established cell biology, genomics, proteomics, and tissue-engineering groups in the Dresden BIOZ, two groups will work in particular on the further development and application of microscopic techniques.

Prof. Petra Schuille leads a group of experts focused on the spectroscopy of single molecules, especially single molecule fluorescence, FCS and TIRF. The group of Prof. Daniel Müller is internationally recognized in the field of Atomic Force Microscopy and spectroscopy of biological systems such as membranes, collagen or cells.

The extensive experience of the groups in Dresden will directly benefit the further development of JPK products and will stimulate new AFM applications in the Life Science field. The users on site benefit from close cooperation with the JPK development and applications team.

About JPK Instruments AG:

The innovative Berlin-based company JPK Instruments, which was founded in 1999, is among the first companies worldwide to have implemented and optimised the principle of Atomic Force Microscopy - AFM - in areas of application like soft matter and the Life Science sector. By now more than 30 highly skilled members of staff develop and manufacture Atomic Force microscopes and other instruments for nano-biotechnological applications.

Numerous patents have already been filed. Around the globe there are many renowned scientific research institutes that apply these instruments in their research programmes. The Company is also one of the first in the nano-biotechnology sector to receive venture capital, e.g. from IBB Beteiligungsgesellschaft mbH, tbg, "Innovationsfonds des Landes Berlin" and from participation in the programme "Futour" hosted by the Ministry of Economics and Technology.

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