

## PRESS RELEASE

### **Grand launch at the ICN&T 2006 – in the jubilee year of atomic force microscopy JPK presents the new generation BioAFM, the NanoWizard® II**

**Berlin, August 15th, 2006** - It was no accident that two of the most important nanoscience meetings – STM'06 and Nano9 – were combined this year in the ICN&T 2006 (International Conference on NanoScience and Technology), or that this event took place in Switzerland. This year marks the 20th anniversary of the invention of the atomic force microscope (AFM), and the 25th anniversary of the invention of the scanning tunnelling microscope (STM); the starting point for both techniques was in Switzerland. For the Berlin NanoBiotechnology firm JPK Instruments AG the jubilee event in Basel provided a fitting opportunity to present the NanoWizard® II to the public. This significant innovation for the Life Science AFM community, the next generation of the leading BioAFM, was unveiled to a large audience of leading scientists.

The NanoWizard® II marks the new peak of technology for applications such as high resolution imaging, force spectroscopy and manipulation up to the subnanometer level. This sophisticated instrument was developed by building upon proven strengths of the NanoWizard® AFM system. "For the NanoWizard® II as for the original NanoWizard®, the focus is on the integration of atomic force microscopy and optical microscopy without compromising either technique.", said Torsten Jähnke, CTO of JPK. "We have worked to comprehensively strengthen the new AFM for the special demands of the various bio science and soft material applications." The years of experience in BioNano applications, the close attention to customer wishes and the complex engineering have all paid off. The many innovative features, increased stability and new levels of system performance make the NanoWizard® II the most powerful research tool for applications in soft matter and life science.



### **About JPK Instruments AG:**

JPK Instruments AG is a leading manufacturer of nanoanalytic instruments - particularly atomic force microscope (AFM) systems - for research in life sciences and soft matter. One of Germany's most innovative nanotechnology companies, JPK was among the first to recognize the revolutionary opportunities this new field would open up for biomedical and pharmaceutical research. From the beginning, JPK has tailored its instrument platforms to meet the challenges these areas would face.

JPK has developed powerful state-of-the-art solutions for high-resolution imaging, force measurement, nanomanipulation and nanolithography for life science applications. At the center of JPK's current portfolio are the BioAFM NanoWizard<sup>®</sup>, the CellHesion<sup>®</sup> module (for studying cell adhesion and cell mechanics phenomena), and the TAO module (for use in optical spectroscopy). The secret of JPK's success is its high level of application expertise and its close interaction with leading scientists and research centers in nanotechnology. Founded in 1999, the company is headquartered in Berlin and maintains a global network of distributors and support centers. In 2005 it launched nAmbition GmbH, a Dresden subsidiary specializing in the development of nano instruments for application in molecular medicine and pharmaceutical research.

### **Contact**

Dr. Gabriela Bagordo  
Communication Manager  
bagordo@jpk.com

[www.jpk.com](http://www.jpk.com)

JPK Instruments AG  
Bouchéstr. 12  
D-12435 Berlin  
Tel.: +49-(0)30-5331-12541  
Fax: +49-(0)30-5331-22555