

Monday, October 26<sup>th</sup>, 2009, 16:00 h

BIOQUANT, Im Neuenheimer Feld 267, 69120 Heidelberg

Venue: Vorlesungsraum SR041

## Leica Scientific Forum Heidelberg

Advances in Life Science

# Prof. Xiaowei Zhuang

Howard Hughes Medical Institute, Harvard University, Cambridge/USA

## "Super-Resolution Fluorescence Imaging"

October 26<sup>th</sup>, 2009

**16:00** Welcome by Chairman Prof. Stefan Hell

Prof. Xiaowei Zhuang will talk about the new imaging method, stochastic optical reconstruction microscopy (STORM), which breaks the diffraction limit and allows for super-resolution imaging.

STORM uses single-molecule imaging and photo-switchable fluorescent probes to temporally separate the spatially overlapping images of individual molecules, thereby breaking the diffraction limit.

Discussion

**17:30** Post Lecture Reception – Meet the Speaker

**Scientific Advisory Board:** Prof. Winfried Denk (MPI), Prof. Roland Eils (DKFZ), Prof. Stefan Hell (MPI/DKFZ), Dr. Rainer Pepperkok (EMBL), Dr. Thomas Zapf (Leica Microsystems)

Please send your free registration to: [sandra.ebert@leica-microsystems.com](mailto:sandra.ebert@leica-microsystems.com)  
[www.leica-microsystems.com](http://www.leica-microsystems.com)

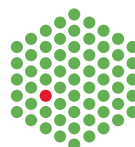
**dkfz.**

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