



PhD Position in Advanced Fluorescence Microscopy

Our research is focused on the development and application of novel techniques based on super-resolution fluorescence microscopy (STED/PALM) as well as light sheet microscopy. We study fast dynamics with a wide array of quantitative analysis methods (SPT, FCS, FRET, FLIM, FRAP). Within the CRC 1324 (Mechanisms and Functions of Wnt Signaling), we use light-optical fluorescence microscopy for quantitative analysis of molecular interactions in cells, tissues and organisms that are involved in the Wnt signaling pathway.

Candidate

We are looking for excellent applicants with a Master's degree in physics/biophysics (and related disciplines) who are strongly committed to the development and application of optical microscopes, careful experimentation and computer-based quantitative data acquisition and analysis.

Contact

Prof. Dr. Gerd Ulrich Nienhaus (uli@uiuc.edu)
Institute of Applied Physics, KIT, Karlsruhe

<http://www.aph.kit.edu/nienhaus/>