

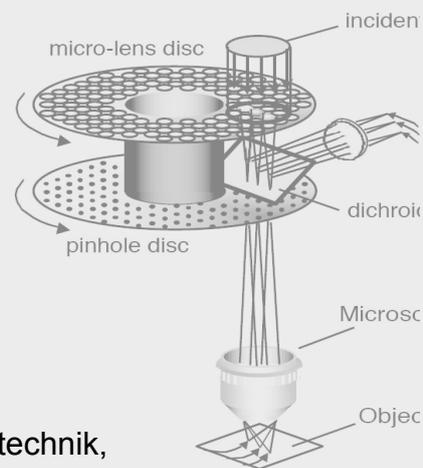
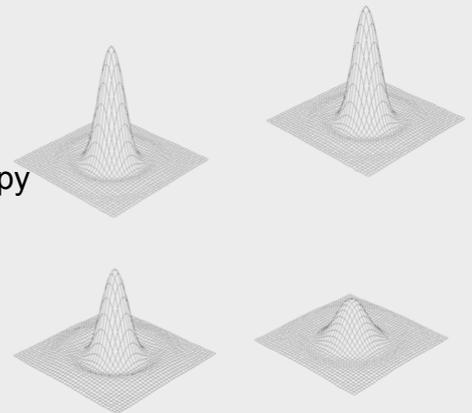


Annual Course of the Nikon Imaging Center at the University of Heidelberg  
November 23-27, 2009 at the Bioquant INF 267

## Fluorescence Microscopy Course: Live Imaging in 3D

### Topics:

Fluorophores and spectral separation  
Understanding image formation  
Optical sectioning in confocal microscopy  
Lateral and axial resolution  
Laser scanning confocal microscopy  
Spinning disk confocal microscopy  
FRET  
FRAP and Photoconversion  
2-Photon Microscopy  
Digital Light Sheet Microscopy  
Deconvolution  
Preparation of live specimen  
Photobleaching and Phototoxicity  
Fluorophores and spectral separation  
Ratio-Imaging  
CCD cameras  
Signal to Noise



organized by Ulrike Engel,  
Nikon Imaging Center

with Nikon GmbH,  
Hamamatsu Photonics,  
Coherent Inc, AHF Analysentechnik,

and

S. Münter, J. Beaudouin, J. Wittbrodt (Uni Heidelberg)  
Y. Belyaev, D. Gilmour (EMBL)

The course aims at PhD-Students and Post-Docs  
affiliated with the University of Heidelberg

To learn more please visit:

<http://www.nic.uni-hd.de/course.html>

Application deadline is November 1, 2009