

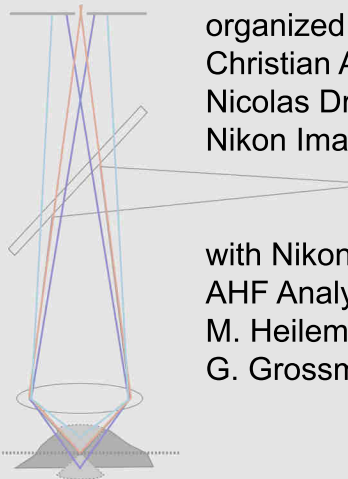
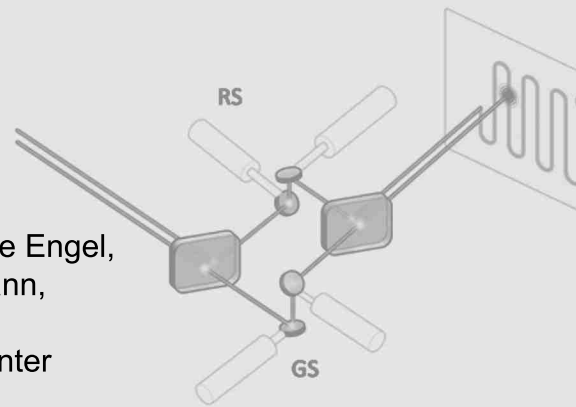
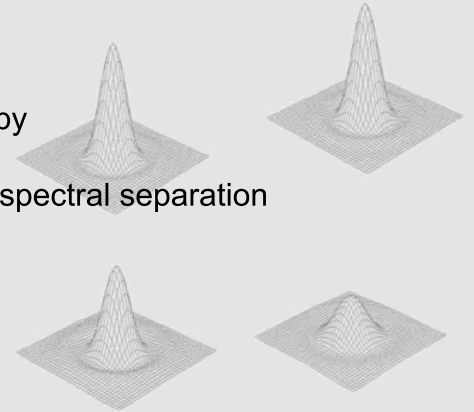


One week course of the Nikon Imaging Center at the University of Heidelberg  
October 9-13, 2017 at the Bioquant INF 267

## Fluorescence Microscopy Course: Live Imaging in 3D

### Topics:

Understanding image formation  
Optical sectioning in confocal microscopy  
Lateral and axial resolution  
Fluorophores, fluorescent proteins and spectral separation  
Laser scanning confocal microscopy  
Spinning disk confocal microscopy  
Super-resolution microscopy  
FRET  
FRAP and photoconversion  
2-photon microscopy  
Deconvolution  
Preparation of live specimens  
Photobleaching and phototoxicity  
Ratio-imaging  
CCD cameras  
Signal to noise  
Image analysis



organized by Ulrike Engel,  
Christian Ackermann,  
Nicolas Dross  
Nikon Imaging Center

with Nikon GmbH Germany  
AHF Analysentechnik, Acal BFi GmbH (Andor),  
M. Heilemann (J.W.G. University Heidelberg),  
G. Grossmann (University of Heidelberg) and others.

The lectures are aimed at PhD-Students and Post-Docs affiliated with the University of Heidelberg.

To learn more and register please visit:

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

Application deadline is September 10, 2017

