

# 2nd Hands-On Workshop on Making Single Molecule Fluorescence (Lifetime) Measurements Simple



January 18-19, 2007

Joint workshop between  
PicoQuant GmbH and  
the Center for Biophotonics at UC Davis



## Program and Time Schedule

### Thursday, January 18, 2007

12:00 p.m.	Registration
1:00 p.m.	<b>Rainer Erdmann</b> (PicoQuant), Welcome & Brief Introduction of PicoQuant
1:15 p.m.	<b>Jörg Enderlein</b> (FZ Jülich), Single Molecule Fluorescence Spectroscopy
2:00 p.m.	<b>Felix Koberling</b> (PicoQuant), The MicroTime 200 - An All In One Solution for Time-Resolved Confocal Microscopy
2:35 p.m.	<b>David Kleinfeld</b> (UC San Diego), The Relation Between Cortical Blood Flow Dynamics and Vascular Topology Revealed by Nonlinear Optical Imaging and Ablation
3:15 p.m.	<b>Shimon Weiss</b> (UCLA), Single Molecule Probing of Dynamic Conformation, Molecular Interactions and Dynamic Localizations In-Vitro, in Live Cells and in Organisms
3:55 p.m.	Coffee break
4:15 p.m.	<b>Start of Hands-on sessions</b>
7:00 p.m.	Reception + Discussion

### Friday, January 19, 2007

7:30 a.m.	Light breakfast outside the conference room
8:30 a.m.	<b>Chris Hollars</b> (UC Davis), Introduction to the Center for Biophotonics
8:50 a.m.	<b>Paul Wiseman</b> (McGill University), Cellular Cartography Using Image Correlation Methods: Mapping Protein Flows and Interactions in Living Cells
9:30 p.m.	<b>Haw Yang</b> (UC Berkeley), Optical Spectroscopy on Single Nanoprobes Freely Moving in 3D
10:10 a.m.	<b>Stephen Kowalczykowski</b> (UC Davis), Visualization and Analysis of Protein-DNA Complexes at the Single-Molecule Level
10:50 a.m.	Coffee break
11:10 a.m.	<b>W.E. Moerner</b> (Stanford University), Single-Molecule Fluorescence Imaging Reports on Biomolecular Dynamics
11:50 a.m.	<b>Uwe Ortmann</b> (PicoQuant), FLIM and FCS Upgrade Kit for Laser Scanning
12:20 p.m.	Lunch break
1:10 p.m.	<b>Sonny Ly</b> (UC Davis), A Combined Multiphoton Fluorescence Lifetime and Coherent Anti-Stokes Raman Microscope
1:30 p.m.	<b>Samantha Fore</b> (UC Davis), Single Molecule Measurements Inside Nanometer-size Apertures - Working at Biologically Relevant Concentrations
2:00 p.m.	<b>Start of Hands-on sessions</b>
4:45 p.m.	End