L4H 2013 29 May

SUPERRESOLUTION TECHNIQUES: FROM METHODS TO DATA ANALYSIS

light for health

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29 May, 2013

08.00 – 09.30	**Registration**
09.30 – 09.45	**Welcome**
09.45 – 10.25	**Nanoscopy with focused light** **Stefan Hell** Max Planck Institute for Biophysical Chemistry
10.25 – 11.05	**Actin Mediates the Nanoscale Membrane Organization of the Clustered Membrane Protein Influenza Hemagglutinin** **Samuel Hess** Department of Physics and Astronomy. Institute for Molecular Biophysics, University of Maine
11.05 – 11.25	**Image resolution in localization microscopy** **Bernd Rieger** TU Delft
11.25 – 11.55	**Coffee Break**
11.55 – 12.35	**Bioimaging at the nanoscale: Single-molecule and super-resolution fluorescence microscopy** **Xiaowei Zhuang** Department of Chemistry and Chemical Biology, Department of Physics, Howard Hughes Medical Institute, Harvard University
12.35 – 12.55	**Imaging biological processes with quantitative high spatiotemporal resolution microscopy** **Melike Lakadamyali** Advanced Fluorescence Imaging and Biophysics Group; ICFO – Institut de Ciències Fotòniques
12.55 – 14.00	**Lunch**
14.00 – 16.30	**Poster Session & Visits To Labs (includes coffee)**
16.30 – 17.10	**Constructing 3D-NANOMAPS of Synaptic Proteins by Localization Microscopy** **Markus Sauer** Biotechnology & Biophysics, Julius-Maximilians-University Würzburg
17.10 – 17.30	**Imaging T-cell signal transduction by integrative and correlative nanoscopy** **Thierry Rose** Institut Pasteur
17.30 – 18.10	**High-Speed Hyperspectral Nanoscopy for Studying Dynamic Protein Interactions** **Keith Lidke** Department of Physics & Astronomy. University of New Mexico, USA
18.10 – 18.30	**PSF decomposition of nanoscopy images via Bayesian analysis unravels distinct molecular organization of the cell** **Carlo Manzo** ICFO – Institut de Ciències Fotòniques