

## SHORT PRESENTATIONS OF SELECTED POSTERS

Tuesday, 30th, 17:15 - 18:00

**1. Hierarchical Disassembly of Protein Complexes by Single Molecule Force Spectroscopy**

Morten Bertz, Matthias Rief

**2. Tip-Enhanced Optical Microscopy of Single-Walled Carbon Nanotubes**

Carsten Georgi, Miriam Böhmler, Huihong Qian, Lukas Novotny and Achim Hartschuh

**3. Optoelectronic Properties of Hybrids made of the Photosynthetic Reaction Center (PS I) and Carbon Nanotubes**

S. Kaniber, M. Brandstetter, L. Frolov, C. Carmeli, S. Richter, I. Carmeli, F. C. Simmel, and A. W. Holleitner

**4. Controlled Heating And Material Transport Through Phospholipid Bilayers By Plasmonic Heating Of Gold Nanoparticles**

A. S. Urban, M. Fedoruk, F. D. Stefani, M. R. Horton, J. O. Rädler, J. Feldmann

**5. Electric Glue: Single-Molecule Force Spectroscopy of Polyelectrolytes with Varied Surface Potential**

A. R. Fornof, M. Erdmann, R. David, H. E. Gaub

**6. Folding Landscapes of Single Molecules probed with Optical Tweezers**

J. Christof M. Gebhardt and Matthias Rief

**7. Temporal Analysis of Active and Passive Transport in Living Cells**

Doris Heinrich, Delphine Arcizet, Börn Meier, Erich Sackmann, Joachim Rädler

**8. Single Molecule Studies of Polymerase  $\eta$  DNA Interaction with TIRF Microscopy**

Gregor Heiss, Franziska Hummel, Stephanie Schorr, Thomas Carell, Christoph Bräuchle and Don C. Lamb

**9. Surface Plasmons in Terahertz Metamaterials**

G. P. Acuña, S. F. Heucke and R. Kersting

Thursday, 2nd, 17:15 - 18:00

**1. Peptides and Ions at Water / Solid Interfaces**

Nadine Schwierz, Dominik Horinek, Roland R. Netz

**2. DNA Origami Structures as a Supramolecular Platform for Bionanotechnology**

Ralf Jungmann and Friedrich C. Simmel

**3. Ultrasonically Driven Nano-Mechanical Single-Electron Shuttle**

Daniel R. König, Eva M. Weig, Jörg P. Kotthaus

**4. Pattern Formation in Competing Bacterial Populations**

J. Landsberg, M. Leisner, T. Reichenbach, E. Frey and J. O. Rädler

**5. Assembly of Engineered Spider Silk in a Microfluidic Device**

Sebastian Rammensee, Heinrich Grabmayr, Thomas Scheibel, Andreas Bausch

**6. Why Molecules Move Along a Temperature Gradient**

Philipp Reineck, Stefan Duhr and Dieter Braun

**7. Ordered Mesoporous Carbon in Confined Environments through Soft-Templating: Thin Films and Tubular Hosts**

Jörg Schuster, Andreas Keilbach, Markus Döblinger, Ralf Köhn, Thomas Bein

**8. Super-Resolution Imaging of a Fluorophore Pattern Assembled by Single-Molecule Cut-and-Paste**

Stefan K. Kufer, Mathias Strackharn, Stefan W. Stahl, Hermann Gump, Elias M. Puchner and Hermann E. Gaub

**9. Controlling the Emission Properties of Single Molecules using Redox Reactions**

Christian Steinhauer, Jan Vogelsang, Carsten Forthmann, Robert Kasper and Philip Tinnefeld