

Program

Time	Monday	Tuesday	Wednesday	Thursday	Friday
9.30	Opening	Thomas Klar (Göttingen) <i>Diffraction resolution barrier in fluorescence microscopy broken by Stimulated Emission Depletion</i>	Jake Reder (LMU) <i>Mesoporous films with molecular functionality</i>	Frank Wilhelm (LMU) <i>Quantum computing, quantum measurements, and Schrödinger's cat in small superconducting circuits</i>	Christoph Bräuchle (LMU) <i>Single Virus Tracing</i>
10.00	Daniel J. Müller (Dresden)	John Pethica (Oxford, UK)	Jan von Delft (LMU)	James Heath (UCLA)	Martin Benoit (LMU)
10.30	<i>Exploring function and interaction of cellular machines: Nanotechnology meets Molecular Biology</i>	<i>Nanomechanics and atom manipulation</i>	<i>Transport through Ferro-magnetic Nanograins with Discrete Electronic States</i>	<i>A Systems Approach to Molecular Electronics</i>	<i>Measuring Adhesion Forces on Living Cells</i> Carsten Sönnichsen (LMU) <i>Colorful metallic nano-rods and -dots</i>
11.00	Coffee / Tea	Coffee / Tea	Coffee / Tea	Coffee / Tea	Coffee / Tea
11.30	Flemming Besenbacher (Aarhus)	Michael Reichling (LMU)	Stuart Parkin (Almaden)	Michael George (LMU)	Betram Batlogg (Bell Labs)
12.00	<i>Formation and stability of nanostructures on metal surfaces</i>	<i>Atomic scale analysis and manipulation with the force microscope</i> Friedrich Simmel (Bell Labs) <i>DNA-based nanomechanical devices</i>	<i>Title yet to be announced</i>	<i>Cell-Semiconductor Hybrids: Strategies and Materials</i> Dirk Haft (LMU) <i>Optical investigations of single quantum rings</i>	<i>Title to be announced</i>
12.30	Lunch	Lunch	Lunch	Lunch	Lunch

14.30	Rupert Krautbauer (LMU) <i>Force spectroscopy of single DNA molecules</i>	Robert Grober (Yale) <i>Quantum Dots: Single Molecules as Optical Nanoprobes</i>	<i>Informal Discussions</i>	Joachim Rädler (LMU) <i>Nanoparticles in Gene Therapy</i>
15.00	Gregor Jung (LMU) <i>Fluorescence correlation spectroscopy & single molecule spectroscopy of the Green Fluorescent Protein</i>			Nikolay Petkov (LMU) <i>Preparation of oriented channel structures as hosts for the growth of nanomaterials</i>
15.30	Rainer Hillenbrand (München) <i>Phase contrast in optical near-field nanoscopy</i>	Daan Wouters (Eindhoven) <i>Metallo-Supramolecular Systems Based on Terpyridines</i>		Coffee / Tea
16.00	Coffee / Tea	Coffee / Tea		Thorsten Hugel (LMU) <i>Coupling optical excitation into force measurements</i>
16.30	Gerd Binnig (Rüschlikon)	Jan Krauss (LMU)		Albert Libchaber (Rockefeller Univ.) <i>DNA dynamics and DNA protein interaction</i>
17.00	<i>Nanomechanical Storage in Polymers</i>	<i>Manipulating photogenerated charge carriers with static and dynamic lateral superlattices</i>		Dinner
17.30	Artur Erbe (LMU) <i>Nanomechanical charge transfer and detection</i>	Dan Rugar (Almaden) <i>Magnetic resonance force microscopy: pushing the limits of force detection</i>		Posters
18.00	Break	Dinner		
18.30	Reception Dinner	Posters		
19.00				