

Speakers in the CeNS-Colloquium, Winter Term 2007/2008

Date of Presentation	Speaker	Institute	Invited by	Title
19.10.2007	Dr. Hervé Isambert	Institut Curie, Paris	Prof. D. Braun	DNA/RNA switches: from nanomechanics to gene regulation
26.10.2007	Dr. Heike Riel	IBM Research GmbH, Rüschlikon	Dr. S. Ludwig	Towards ultimate scaling -semiconducting nanowires and molecular electronics
09.11.2007	Prof. Joachim Mayer Prof. Osamu Terasaki	RWTH Aachen and Ernst Ruska-Centre Stockholm University	Prof. Th. Bein	Aberration corrected TEM and STEM - exploring structure and properties of materials at sub-Ångström resolution Electron microscopy studies of structural modulation in micro- and mesoporous crystals
16.11.2007	Prof. Ralf Metzler	TU München	Prof. R. Netz	Search processes on small scales: What we can learn about cellular processes from single molecule experiments
23.11.2007	Prof. Philip Tinnefeld	LMU München	Prof. H. Gaub	Fluorescence microscopy bottom up: From single molecules to complex bio-molecular interactions
30.11.2007	Prof. Lyderic Bocquet	Université Lyon and TU Munich	Prof. R. Netz	From macro- to nano- flows, and vice-versa
07.12.2007	Prof. Ulf Leonhardt	University of St Andrews	Prof. J. Feldmann	Geometry, light, and a wee bit of magic
14.12.2007	Dr. Matthias F. Schneider	Universität Augsburg	Prof. J.P. Kotthaus	Self organized blood clotting - The physics of von Willebrand Factor
21.12.2007	Dr. Andreas Bruckbauer	Cancer Research UK, London	Prof. D. Braun	Nanopipette delivery of individual molecules to living cells for single-molecule fluorescence tracking
11.01.2008	Dr. Nikolaus Nestle	Universität Darmstadt and BASF AG, Ludwigshafen	PD Dr. Th. Franosch	Diffusion: exploring and working the nanoscale
18.01.2008	Dr. Eric Galburt	Max-Planck-Institut für molekulare Zellbiologie und Genetik, Dresden	Prof. T. Hugel	Single molecules of RNAP II: Backtracking and beyond
25.01.2008	Prof. Roland Eils	Universität Heidelberg und Deutsches Krebsforschungszentrum, Heidelberg	Prof. D.C. Lamb	Automated Cellular Phenotyping for Large-Scale Drug and siRNA Knockdown Screening by Live Cell Microscopy
01.02.2008	Dr. Christian Tischer	FOM Institute for Atomic and Molecular Physics (AMOLF), Amsterdam	Prof. E. Frey	Spatial Regulation of Microtubule Dynamics in Fission Yeast
08.02.2008	Dr. Yaakov Benenson Prof. Steven De Feyter	Harvard University Katholieke Universiteit Leuven	Prof. J. Rädler/ M. Leisner Dr. M. Lackinger	Towards <i>in vivo</i> molecular automata Self-assembly at the liquid/solid interface: from patterns to function