

# Current Topics in Biophysics

Lecture Series offered by the GGNB doctoral program  
“Physics of Biological and Complex Systems”

WS 11/12, Friday 10.15 – 11.45 a.m.

- 28.10.2011 Dr. Iwan A.T. Schaap, III. Physical Institute  
*Force spectroscopy with AFM and laser traps*
- 04.11.2011 Prof. Dr. Marcus Müller, Institute for Theoretical Physics  
*Coarse-grained models for soft matter*
- 11.11.2011 Prof. Dr. Eberhard Bodenschatz, MPI Dynamics and Self-Organization  
*Single Cell Investigations with Microfluidics*
- 18.11.2011 Prof. Dr. Christoph F. Schmidt, III. Physical Institute  
*Complex dynamics of mitotic motor proteins, studied in single-molecule experiments*
- 25.11.2011 Prof. Dr. Reinhard Jahn, MPI Biophysical Chemistry  
*Membrane fusion*
- 02.12.2011 Prof. Dr. Christian Griesinger, MPI Biophysical Chemistry  
*Protein dynamics*
- 09.12.2011 Prof. Dr. Rainer Ulbrich, IV. Physical Institute  
*Nanoparticle Tracking - Principles and Methods*
- 16.12.2011 Prof. Dr. Marina Bennati, MPI Biophysical Chemistry  
*EPR Spectroscopy for the investigation of the structure and dynamics of biomolecules*
- 06.01.2012 Prof. Dr. Fred Wolf, MPI Dynamics and Self-Organization  
*Theory of Neuronal Circuit Self-Organization*
- 13.01.2012 Prof. Dr. Marc Timme, MPI Dynamics and Self-Organization  
*Chaos Control for Robot Control*
- 20.01.2012 Prof. Dr. Tim Salditt, Institute for X-Ray Physics  
*Studies on membrane fusion by x-rays*
- 27.01.2012 Dr. Thomas Burg, MPI Biophysical Chemistry  
*Microdevices for Biophysical Measurements*
- 03.02.2012 Prof. Dr. Jomo Walla, MPI Biophysical Chemistry  
*Fluorescence Correlation Spectroscopy*
- 10.02.2012 Prof. Dr. Stephan Herminghaus, MPI Dynamics and Self-Organization  
*Statics and Dynamics of Wetting*
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