

Seminar room SR16 (room F02.125), III. Institute of Physics, Physik-Gebäude, Friedrich-Hund-Platz 1, 37077 Göttingen

# Current Topics in Biophysics

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

## SS 10, Friday 9.15 – 10.45

- 09.04.2010 Prof. Dr. Reinhard Jahn, MPI Biophysical Chemistry  
*Fluorescence methods for measuring the fusion of membranes*
- 16.04.2010 Prof. Dr. Christian Griesinger, MPI Biophysical Chemistry  
*Liquid state NMR to study structure and dynamics of biomolecules*
- 23.04.2010 Dr. Simone Techert, MPI Biophysical Chemistry  
*Modern methods in macromolecular crystallography*
- 30.04.2010 Prof. Dr. Ulrich Parlitz, III. Institute of Physics  
*Self-organization in excitable Media I*
- 07.05.2010 Prof. Dr. Stefan Luther, MPI Dynamics and Self-Organization  
*Self-organization in excitable Media II*
- 14.05.2010 Prof. Dr. Jörg Enderlein, III. Institute of Physics  
*Fluorescence Correlation Spectroscopy: Basics and applications*
- 21.05.2010 Prof. Dr. Fred Wolf, MPI Dynamics and Self-Organization  
*Chaos and information representation in cortical neuronal circuits*
- 28.05.2010 Prof. Dr. Helmut Grubmüller, MPI Biophysical Chemistry  
*Basics and application of molecular dynamics simulations*
- 04.06.2010 Prof. Dr. Bert de Groot, MPI Biophysical Chemistry  
*Collective protein dynamics*
- 11.06.2010 Dr. Oskar Hallatschek, MPI Dynamics and Self-Organization  
*Biological evolution and statistical physics*
- 18.06.2010 Prof. Dr. Rainer Ulbrich, IV. Physical Institute – Semiconductor Physics  
*Nanoscale Imaging with Markers*
- 25.06.2010 Prof. Dr. Andreas Janshoff, Institute for Physical Chemistry  
*Atomic force microscopy in biology*
- 02.07.2010 Prof. Dr. Ulf Diederichsen, Organic and Biomolecular Chemistry  
*Synthesis and molecular recognition of biomolecules*
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