

# Current Topics in Biophysics

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

Open to all interested  
students and PhD candidates !

WiSe 2017 Friday 10.15 – 11.45 a.m.

- 20.10.2017 Prof. Dr. Martin Uecker, University Medical Center Göttingen  
*Computational magnetic resonance imaging: Seeing beyond the Nyquist limit*
- 27.10.2017 Dr. Andreas Neef, MPI Dynamics and Self-Organization  
*Information encoding in the brain: from molecules to networks*
- 03.11.2017 Prof. Dr. Christian Griesinger, MPI Biophysical Chemistry  
*NMR spectroscopy to study protein dynamics in immunity, signaling and neurodegeneration*
- 10.11.2017 Prof. Dr. Gregor Eichele, MPI Biophysical Chemistry  
*The cilium, a molecular motor and molecular antenna*
- 17.11.2017 Dr. Michael Habeck, Institute for Mathematical Stochastics  
*Computational modeling of biomolecular structures*
- 24.11.2017 Prof. Dr. Marcus Müller, Institute for Theoretical Physics  
*Coarse-graining soft matter systems*
- 01.12.2017 Prof. Dr. Jens Frahm, MPI Biophysical Chemistry  
*MRI: From structure to function*
- 08.12.2017 Prof. Dr. Stefan Luther, MPI Dynamics and Self-Organization  
*Nonlinear dynamics of the heart*
- 15.12.2017 Prof. Dr. Bert de Groot, MPI Biophysical Chemistry  
*Collective dynamics of biomolecules*
- 12.01.2018 Dr. Aljaz Godec, MPI Biophysical Chemistry  
*Biophysical dynamics at low-copy numbers*
- 19.01.2018 Dr. Sebastian Kruss, Institute for Physical Chemistry  
*Optical probes to study complex biological systems*
- 26.01.2018 Prof. Dr. Christoph F. Schmidt, Illrd Institute of Physics  
*Mechanosensing from bacteria to animals*
- 02.02.2018 Dr. Johannes Soeding, MPI Biophysical Chemistry  
*Introduction to protein fold recognition and homology modeling*
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