

Current Topics in Biophysics

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

WiSe 2019/20 Friday 10:15 – 11:45 a.m.

Open to all interested students
and PhD candidates !

- 25.10.2019 Dr. Sebastian Kruss, Institute for Physical Chemistry
Fluorescent Probes and Sensors for Complex Biological Systems
- 08.11.2019 Prof. Dr. Martin Uecker, University Medical Center Göttingen
Computational Magnetic Resonance Imaging: Seeing Beyond the Nyquist Limit
- 15.11.2019 Prof. Dr. Peter Sollich, Institute for Theoretical Physics
Network and Subnetwork Dynamics in Protein Interaction and Gene Regulation
- 22.11.2019 Dr. Falko Ziebert, MPI for Dynamics and Self-Organization
Biopropulsion and Cell Motility
- 29.11.2019 Prof. Dr. Claudia Steinem, Institute for Organic and Biomolecular Chemistry
Electrochemical Methods: Investigating Biophysical Processes at Interfaces
- 06.12.2019 Dr. Jan Christoph, University Medical Center Göttingen
Biophysics of Cardiac Arrhythmias
- 13.12.2019 Dr. Melina Schuh, MPI for Biophysical Chemistry
Bioimaging and Image Analysis
- 10.01.2020 Prof. Dr. Florentin Wörgötter, IIIrd Institute of Physics
How Humans Might Understand Scenes&Actions and How Scientists Could Shape This into Algorithms for Robots
- 17.01.2020 Prof. Dr. Helmut Grubmüller, MPI Biophysical Chemistry
Molecular Dynamics Simulations of Complex Systems
- 24.01.2020 Dr. Aljaz Godec, MPI Biophysical Chemistry
The Physics of Random Searching: How to Understand and Manipulate the Speed-limits Imposed by Diffusion
- 31.01.2020 Dr. Johannes Soeding, MPI Biophysical Chemistry
Introduction to bioinformatics
- 07.02.2020 Prof. Dr. Christian Griesinger, MPI for Biophysical Chemistry
Kinetics of Structural Interconversions from NMR
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