

Current Topics in Biophysics and Complex Systems

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

WiSe 2022/23 Monday 10:15 – 11:45 a.m.

- 24.10.2022 Prof. Dr. Jörg Enderlein, Third Institute of Physics
Advanced Fluorescence Microscopy
- 07.11.2022 Dr. Andreas Neef, Neurophysics Laboratory
Near-Optimal Quantal Information Transmission in the Sensory Cortex
- 14.11.2022 Prof. Dr. Stefan Klumpp, Institute for Nonlinear Dynamics
Models for Magnetotactic Motility - From Bacteria to Microrobots
- 21.11.2022 Prof. Dr. Sarah Köster, Institute for X-Ray Physics
X-ray Imaging of Biological Cells
- 28.11.2022 Prof. Dr. Timo Betz, Third Institute of Physics
Active and Passive Microrheology
- 05.12.2022 Prof. Dr. Helmut Grubmüller, MPI for Multidisciplinary Sciences
Proteins at Work: Atomistic Simulation of Complex Systems
- 12.12.2022 Dr. Jaime Agudo-Canalejo, MPI for Dynamics and Self-Organization
Emergent Phenomena from Non-Equilibrium Chemical Activity
- 19.12.2022 Prof. Dr. Stefan Luther, MPI for Dynamics and Self-Organization
Nonlinear Dynamics of the Heart
- 09.01.2023 Dr. Olga Shishkina, MPI for Dynamics and Self-Organization
Natural Thermal Convection
- 16.01.2023 Dr. Wojciech Kopec, MPI for Multidisciplinary Sciences
Computational Electrophysiology of Ion Channels
- 23.01.2023 Prof. Dr. Christian Griesinger, MPI for Multidisciplinary Sciences
NMR Spectroscopy and Other Techniques to Study Small Molecule Interference with Aggregation of Disease Relevant Proteins
- 30.01.2023 Prof. Dr. Burkhard Geil, Institute for Physical Chemistry
Modern Topics in Image Analysis
- 06.02.2023 Dr. Steffen Sahl, MPI for Multidisciplinary Sciences
Fluorescence Nanoscopy: Methods Fundamentals and Biological Applications

Open to all interested
students and PhD candidates!
Registration by email to
imprs-pbcs@gwdg.de
appreciated

