

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 !

SoSe 2018 Friday 10.15 – 11.45 a.m.

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- 13.04.2018 Dr. Florian Rehfeldt, Illrd Institute of Physics
Cell and Matrix Mechanics
- 20.04.2018 Dr. Karen Alim, MPI Dynamics and Self-Organization
Self-Organization by Fluid Flow
- 27.04.2018 Prof. Dr. Sarah Köster, Institute for X-Ray Physics
X-Ray Imaging of Biological Cells
- 04.05.2018 Prof. Dr. Peter Jomo Walla, MPI Biophysical Chemistry
Fluorescence Methods to Study Complex Biological Systems
- 18.05.2018 Prof. Dr. Stefan Klumpp, Institute for Nonlinear Dynamics
Magnetotactic Bacteria: Magnetic Navigation on the Microscale
- 25.05.2018 Prof. Dr. Florentin Wörgötter, Illrd Institute of Physics
How Humans Might Understand Scenes&Actions and How Scientists Could Shape This into Algorithms for Robots
- 01.06.2018 Dr. Marco Tarantola, MPI Dynamics and Self-Organization
Mechanics and Dynamics of Biological Adhesion
- 08.06.2018 Prof. Dr. Michael Meinecke, Cellular Biochemistry
Model Membrane Systems to Study Ion - Channel Function and Regulation
- 15.06.2018 Prof. Dr. Markus Zweckstetter, MPI Biophysical Chemistry
Liquid-Liquid Phase Separation: Physical Chemistry Meets Biology
- 22.06.2018 Prof. Dr. Simone Techert, Institute for X-Ray Physics
Real-Time Investigations of Complex Biochemical Reactions with Free Electron Laser Radiation: Instrumentation and Application
- 29.06.2018 Prof. Dr. Jörg Enderlein, Illrd Institute of Physics
Advanced and Super-Resolution Fluorescence Microscopy
- 06.07.2018 Dr. Yong Wang, MPI Dynamics and Self-Organization
Virtual Organs: Computational Simulation of Biofluidics and Biomechanics
- 13.07.2018 Dr. Gopalakrishnan Balasubramanian, MPI Biophysical Chemistry
Single-Spin Quantum Sensors in Diamond: Current Progress and Challenges