

# 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 2019 Friday 10.15 – 11.45 a.m.

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|------------|---|
| 26.04.2019 | Dr. Florian Rehfeldt, Third Institute of Physics<br><i>Cell and Matrix Mechanics</i>  |
| 03.05.2019 | Prof. Dr. Reinhard Jahn, MPI Biophysical Chemistry<br><i>Membrane Fusion</i>  |
| 10.05.2019 | Prof. Dr. Thorsten Hohage, Institute for Numerical and Applied Mathematics<br><i>Inverse Problems in Biomedical Imaging</i>   |
| 17.05.2019 | Dr. Christian Tetzlaff, Third Institute of Physics<br><i>The Self-Organization of Neural Circuits Based on the Interaction of Plasticity Processes</i>                                      |
| 24.05.2019 | Prof. Dr. Marcus Müller, Institute for Theoretical Physics<br><i>Coarse-grained Models for Soft Matter</i>  |
| 07.06.2019 | Prof. Dr. Stefan Klumpp, Institute for Dynamics of Complex Systems<br><i>Cellular Economy of Molecular Machines</i>   |
| 14.06.2019 | Prof. Dr. Peter Jomo Walla, MPI Biophysical Chemistry<br><i>Fluorescence Methods to Study Complex Biological Systems</i>  |
| 21.06.2019 | Prof. Dr. Jörg Enderlein, Third Institute of Physics<br><i>Advanced and Superresolution Fluorescence Microscopy</i>   |
| 28.06.2019 | Prof. Dr. Ulrich Parlitz, MPI Dynamics and Self-Organization<br><i>Nonlinear Time Series Analysis Meets Machine Learning: Methods for Data Based Prediction of Spatio-temporal Dynamics</i> |
| 05.07.2019 | Dr. Azam Gholami, MPI Dynamics and Self-Organization<br><i>Spatial Heterogeneities Shape Collective Behavior of Signaling Amoeboid Cells</i>  |
| 12.07.2019 | Dr. Katrin Willig, CNMPB<br><i>Super-resolution Applied to Neuroscience: STED microscopy of the Living Mouse Brain</i>  |
| 19.07.2019 | Dr. Michael Wilczek, MPI Dynamics and Self-Organization<br><i>Turbulence and Pattern Formation in Active Fluids</i>   |
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