

Current Topics in Biophysics and Complex Systems

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

SoSe 2025 Monday 10:15 – 11:45 a.m.

- 14.04.2025 Prof. Dr. Ulrich Parlitz, MPI for Dynamics and Self-Organization
Prediction and Classification of Time Series using Reservoir Computing
- 28.04.2025 Prof. Dr. Stefan Klumpp, Institute for the Dynamics of Complex Systems
Modeling Magnetotactic Motility
- 05.05.2025 Prof. Dr. Timo Betz, Third Institute of Physics
Optical Tweezers and How They are Used to 'Feel' Inside Cells
- 12.05.2025 Prof. Dr. Florentin Wörgötter, Third Institute of Physics
How Animals can Learn that Toadstools are Poisonous: Unsupervised Learning of Feature Combinations
- 19.05.2025 Dr. David Zwicker, MPI for Dynamics and Self-Organization
Active Droplets in Biological Cells
- 26.05.2025 Dr. Michael Fauth, Third Institute of Physics
Stable Function from an Unstable Brain - From Molecules to Networks
- 02.06.2025 Prof. Dr. Claudia Steinem, Institute for Organic and Biomolecular Chemistry
Fluorescence Spectroscopy for Biophysicists
- 16.06.2025 Prof. Dr. Fred Wolf, Göttingen Campus Institute for Dynamics of Biological Networks
Design and Dynamics of Sensory Systems
- 23.06.2025 Dr. Peter Lénárt, MPI for Multidisciplinary Sciences
Imaging Live Cells and Organisms by Fluorescence-Based Microscopies
- 30.06.2025 Prof. Dr. Jörg Enderlein, Third Institute of Physics
Advanced Fluorescence Microscopy
- 07.07.2025 Dr. Benoît Mahault, MPI for Dynamics and Self-Organization
Motility-Induced Self-Organization in Active Matter

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

