

Current Topics in Biophysics and Complex Systems

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

WiSe 2023/24 Monday 10:15 – 11:45 a.m.

- 30.10. 2023 Dr. Peter Keim, MPI for Dynamics and Self-Organization
Symmetry Breaking Beyond Equilibrium
- 06.11. 2023 Dr. Andreas Neef, Neurophysics Laboratory
Near-Optimal Quantal Information Transmission in a Population of Nerve Cells
- 13.11. 2023 Prof. Dr. Timo Betz, Third Institute of Physics
Tissue Mechanics in Development and Disease
- 20.11. 2023 Prof. Dr. Stefan Klumpp, Institute for Nonlinear Dynamics
Magnetotactic Navigation - from Bacteria to Microrobots
- 27.11. 2023 Prof. Dr. Viola Priesemann, MPI for Dynamics and Self-Organization
Limits of Exponential Growth- in Neural and Societal Systems
- 04.12. 2023 Dr. Loren Andreas, MPI for Multidisciplinary Sciences
Spin Physics and Membrane Proteins
- 11.12. 2023 Dr. Steffen Sahl, MPI for Multidisciplinary Sciences
Fluorescence Nanoscopy: Methods Fundamentals and Biological Applications
- 18.12. 2023 Jun.-Prof. Dr. Anne Wald, Institute for Numerical and Applied Mathematics
Inverse Problems for Active Matter
- 08.01.2024 Dr. Philip Bittihn, MPI for Dynamics and Self-Organization
Emergent Dynamics in Multicellular Systems
- 15.01.2024 Dr. Gražvydas Lukinavičius, MPI for Multidisciplinary Sciences
Fluorescent Probes for Live-cell Imaging
- 22.01.2024 Dr. Jochen Rink, MPI for Multidisciplinary Sciences
Scaling Challenges in Planarian Flatworms
- 29.01.2024 Prof. Dr. Helmut Grubmüller, MPI for Multidisciplinary Sciences
Proteins at Work: Atomistic Simulation of Complex Systems
- 05.02.2024 Prof. Dr. Simone Techert, Institute for X-Ray Physics
Soft Matter Investigated with Brilliant X-ray Light Sources

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

