

Current Topics in Biophysics and Complex Systems

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

WiSe 2024/25 Monday 10:15 – 11:45 a.m.

28.10.2024 Prof. Dr. Andreas Janshoff, Institute for Physical Chemistry
AFM in the Life Sciences: from Topography to Single Molecule Mechanics

04.11.2024 Prof. Dr. Melina Schuh, MPI for Multidisciplinary Sciences
Bioimaging and Image Analysis

11.11.2024 Dr. Claudia Brunner, MPI for Dynamics and Self-Organization
The Fluid Dynamics of Wind Energy

18.11.2024 Dr. Vahid Nasirimarekani, MPI for Dynamics and Self-Organization
Self-Organization in Gliding Active Filaments

25.11.2024 Dr. Gholamhossein Bagheri, MPI for Dynamics and Self-Organization
Can we Engineer the Climate?

02.12.2024 Dr. Gražvydas Lukinavičius, MPI for Multidisciplinary Sciences
Fluorescent Probes for Live-Cell Imaging

09.12.2024 Prof. Dr. Helmut Grubmüller, MPI for Multidisciplinary Sciences
Proteins at Work: Atomistic Simulation of Complex Systems

16.12.2024 Prof. Dr. Viola Priesemann, MPI for Dynamics and Self-Organization
Learning and Self-Regulation in Neural and Societal Systems

06.01.2025 Prof. Dr. Ulrich Parlitz, MPI for Dynamics and Self-Organization
Prediction and Classification of Time Series using Reservoir Computing

13.01.2025 Prof. Dr. Simone Techert, Institute for X-Ray Physics
Soft Matter Investigated with Brilliant X-ray Light Sources

20.01.2025 Dr. Philip Bittihn, MPI for Dynamics and Self-Organization
Dynamics and Self-Organization in Multicellular Systems

27.01.2025 PD Dr. Antje Ebert, Cardiology and Pneumology
Mechanisms of Contractile Force Generation in Single Cells

03.02.2025 Prof. Dr. Jochen Rink, MPI for Multidisciplinary Sciences
Scaling Challenges in Planarian Flatworms

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

