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

SoSe 2024 Monday 10:15 – 11:45 a.m.

15.04.2024 PD Dr. Olga Shishkina, MPI for Dynamics and Self-Organization
Scaling Relations and Global Flow Structures in Natural Thermal Convection

22.04.2024 Prof. Dr. Bert de Groot, MPI for Multidisciplinary Sciences
Collective Dynamics

29.04.2024 Dr. Peter Lénárt, MPI for Multidisciplinary Sciences
Imaging Live Cells and Organisms by Fluorescence-Based Microscopies

06.05.2024 Prof. Dr. Florentin Wörgötter, Third Institute of Physics
Unsupervised Learning of Feature Combinations using Hebbian Learning with Simulated Annealing

13.05.2024 Dr. Stefan Glöggler, MPI for Multidisciplinary Sciences
Signal-enhanced magnetic resonance to study biological systems

27.05.2024 Prof. Dr. Christian Griesinger, MPI for Multidisciplinary Sciences
NMR Spectroscopy to Study Protein Dynamics and the Performance of 1.2 GHz NMR Spectrometer

03.06.2024 Dr. David Zwicker, MPI for Dynamics and Self-Organization
Active Droplets in Biological Cells

10.06.2024 Prof. Dr. Sarah Köster, Institute for X-Ray Physics
X-Ray Imaging of Biological Matter

17.06.2024 Prof. Dr. Fred Wolf, Campus Institute for Dynamics of Biological Networks
Dynamics and Design of Neural Circuits

24.06.2024 Dr. Benoît Mahault, MPI for Dynamics and Self-Organization
Motility-Induced Self-Organization in Active Matter

01.07.2024 Dr. Michael Fauth, Third Institute of Physics
Models for Stable Memories in a Dynamic Brain

08.07.2024 Prof. Dr. Christian Tetzlaff, Institute for Neuro- and Sensory Physiology
Synaptic Dynamics from Molecules to Neuronal Networks

Seminar room SR 16 – Third Institute of Physics [Section F, 2nd Floor, Room F02.125], Faculty of Physics, Friedrich-Hund-Platz 1, 37077 Göttingen

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