Current Topics in Biophysics

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

WiSe 2018/19 Friday 10.15 – 11.45 a.m.

19.10.2018 Prof. Dr. Theo Geisel, MPI Dynamics and Self-Organization
Perspectives of Theoretical Neuroscience: Deciphering the Dynamics and Function of Neuronal Circuits

26.10.2018 Prof. Dr. Bert de Groot, MPI Biophysical Chemistry
Collective Dynamics of Biomolecules

02.11.2018 Dr. Sebastian Kruss, Institute for Physical Chemistry
Fluorescent Probes and Chemical Imaging

09.11.2018 Prof. Dr. Marina Bennati, MPI Biophysical Chemistry
Electron Spins as Probes for Studies of Structure and Function in Biomolecules

16.11.2018 Dr. David Zwicker, MPI Dynamics and Self-Organization
Active Droplets in Biological Cells

23.11.2018 Dr. Melina Schuh, MPI Biophysical Chemistry
Bioimaging and Image Analysis

30.11.2018 Prof. Dr. Ramin Golestanian, MPI Dynamics and Self-Organization
Making Living Matter from the Bottom Up

07.12.2018 Dr. Michael Habeck, Institute for Mathematical Stochastics
Computational Modeling of Biomolecular Structures

14.12.2018 Prof. Dr. Helmut Grubmüller, MPI Biophysical Chemistry
Molecular Dynamics Simulations of Complex Systems

11.01.2019 Dr. Isabella Guido, MPI Dynamics and Self-Organization
Biopolymers and Motor Proteins in Biomimetic Systems

18.01.2019 Dr. Aljaz Godec, MPI Biophysical Chemistry
The Physics of Random Searching: How to Understand and Manipulate the Speed-limits Imposed by Diffusion

25.01.2019 Prof. Dr. Burkhard Geil, Institute for Physical Chemistry
Neural Networks in Image Analysis

01.02.2019 Dr. Johannes Soeding, MPI Biophysical Chemistry
Introduction to Bioinformatics