

Current Topics in Biophysics

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

WiSe 2020/21 Friday 10:15 – 11:45 a.m.

- 06.11.2020 Prof. Dr. Bert de Groot, MPI for Biophysical Chemistry
Collective Dynamics
- 13.11.2020 Prof. Dr. Christian Griesinger, MPI for Biophysical Chemistry
NMR Spectroscopy as a Tool in Biophysics
- 20.11.2020 Dr. Andrej Vilfan, MPI for Dynamics and Self-Organization
The Physics of Natural and Artificial Cilia
- 27.11.2020 Prof. Dr. Martin Uecker, University Medical Center Göttingen
Magnetic Resonance Imaging
- 04.12.2020 Prof. Dr. Tim Salditt, Institute for X-Ray Physics
Multiscale Structure Analysis of Heart Muscle
- 11.12.2020 Prof. Dr. Peter Sollich, Institute for Theoretical Physics
Network and Subnetwork Dynamics in Protein Interaction and Gene Regulation
- 18.12.2020 Dr. Melina Schuh, MPI for Biophysical Chemistry
Bioimaging and Image Analysis
- 15.01.2021 Prof. Dr. Florentin Wörgötter, Third Institute of Physics
A Critical View onto Deep Learning (or: DL as Modern Alchemy) – and Maybe Ways to do it Better
- 22.01.2021 Prof. Dr. Marina Bennati, MPI for Biophysical Chemistry
Electron Spins as Probes for Studies of Structure and Function in Biomolecules
- 29.01.2021 Dr. Johannes Soeding, MPI for Biophysical Chemistry
Introduction to Bioinformatics
- 05.02.2021 Dr. Yong Wang, MPI for Dynamics and Self-Organization
Modeling Helps Failing Heart to Regenerate
- 12.02.2021 Dr. Viola Priesemann, MPI for Dynamics and Self-Organization
Learning and Information Flow in Neural Networks

Online Lecture
please register your attendance by email to
imprs-pbcs@gwdg.de
Open to all interested
students and PhD candidates !

