

# Current Topics in Biophysics

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

SoSe 2021 Friday 10:15 – 11:45 a.m.

- 16.04.2021 Dr. Aljaz Godec, MPI for Biophysical Chemistry  
*Physics of Random Searching*
- 23.04.2021 Prof. Dr. Sarah Köster, Institute for X-Ray Physics  
*X-Ray Imaging of Biological Matter*
- 30.04.2021 Prof. Dr. Stefan Klumpp, Institute for Dynamics of Complex Systems  
*Biomolecular Machines: Stochastic Dynamics on Networks*
- 07.05.2021 Prof. Dr. Simone Techert, Institute for X-Ray Physics  
*Free-electron Laser Research of Soft Matter*
- 21.05.2021 Prof. Dr. Reinhard Jahn, MPI for Biophysical Chemistry  
*Membrane Fusion*
- 28.05.2021 Dr. David Zwicker, MPI for Dynamics and Self-Organization  
*The Physics of Droplets in Biological Cells*
- 04.06.2021 Prof. Dr. Timo Betz, Third Institute of Physics  
*Pushing and Pulling: What Mechanics and Forces can Teach us About Physics in Biology*
- 11.06.2021 Prof. Dr. Peter Jomo Walla, TU Braunschweig  
*Fluorescence Correlation Spectroscopy and Molecular Energy Transfer*
- 18.06.2021 Prof. Dr. Stefan Luther, MPI for Dynamics and Self-Organization  
*Nonlinear Dynamics of the Heart*
- 25.06.2021 Prof. Dr. Thorsten Hohage, Institute for Numerical and Applied Mathematics  
*Inverse Problems in Biomedical Imaging*
- 02.07.2021 Prof. Dr. Jörg Enderlein, Third Institute of Physics  
*Advanced Fluorescence Microscopy*
- 09.07.2021 Prof. Dr. Ulrich Parlitz, MPI for Dynamics and Self-Organization  
*Detecting Information Flow and Dependencies in Multivariate Time Series*
- 16.07.2021 Prof. Dr. Burkhard Geil, Institute for Physical Chemistry  
*Modern Topics in Image Analysis*

**Online Lecture**  
please register your attendance by email to  
[imprs-pbcs@gwdg.de](mailto:imprs-pbcs@gwdg.de)  
Open to all interested  
students and PhD candidates !

