

# Current Topics in Biophysics

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

SoSe 2020 Friday 10:15 – 11:45 a.m.

**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 !

- 08.05.2020 Dr. Andreas Neef, MPI for experimental Medicine  
Information processing in neurons: molecules to networks
- 15.05.2020 Prof. Dr. Fred Wolf, MPI for Dynamics and Self-Organization  
Dynamics and Statistical Physics of Neural Circuits
- 29.05.2020 Prof. Dr. Jörg Enderlein, Third Institute of Physics  
Advanced Fluorescence Microscopy
- 05.06.2020 Dr. Marco Tarantola, MPI for Dynamics and Self-Organization  
Mechanics and dynamics of biological adhesion
- 12.06.2020 Dr. Oliver Baumchen, MPI for Dynamics and Self-Organization  
Micropipette force sensors for in vivo force measurements on living cells
- 19.06.2020 Dr. Isabella Guido, MPI for Dynamics and Self-Organization  
Biopolymers and motor proteins in biomimetic system
- 26.06.2020 Dr. Steffen Sahl, MPI for Biophysical Chemistry  
Fluorescence Nanoscopy: Principles and Applications
- 03.07.2020 Dr. Stefan Glögger, MPI for Biophysical Chemistry  
Signal-enhanced magnetic resonance to study biological systems
- 10.07.2020 Dr. David Zwicker, MPI for Dynamics and Self-Organization  
The physics of liquid droplets in biological cells
- 17.07.2020 Prof. Dr. Sarah Köster, Institute for X-Ray Physics  
X-Ray Imaging of Biological Cells

