

# „12th North German Biophysics Meeting“

at the Research Center Borstel, Manor House, 18. January 2019



Organised by:



Research Center Borstel  
Leibniz Lung Center



All details about traveling to Borstel can be found on the Web-page: [www.fz-borstel.de](http://www.fz-borstel.de)  
Poster should have a size of DIN A0 upright.

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10:00-10:15	Welcome
10:15-10:35	R. Börner (University of Zurich): Understanding RNA-RNA and RNA-DNA contact formation with the help of single-molecule FRET and MD simulation
10:35-10:55	P. Gwozdz (University of Hamburg): Dielectric Spectroscopy on T cells
10:55-11:15	R. Giri (University of Kiel): Concentration and surface packing-specific interaction of planar molecules with lipid membranes
11:15-11:45	Coffee break + Poster
11:45-12:05	S. Kesgin-Schäfer (University of Hamburg): Unnatural amino acids as novel probes for protein structure, function and dynamics
12:05-12:50	S. Keller (University of Kaiserslautern): Polymer-Based Nanodiscs for Membrane Biophysics
12:50-14:30	Lunch + Poster
14:30-14:50	J. Nitsche (University of Hamburg): Stealth-carrier nanodiscs for structural studies of integral membrane proteins
14:50-15:10	J. Prajapati (Jacobs University): Structure and function of the DcaP channel from <i>Acinetobacter Baumannii</i>
15:10-15:30	J. Bafna (Jacobs University): Experiment to quantify transport across biological channels
15:30-16:15	W. Parak (University of Hamburg): Interaction of colloids and cells quantified by biophysical methods
16:15-17:00	Coffee break + Poster
17:00-17:20	B. Khairalla (University of Oldenburg): Spectroelectrochemistry of asymmetric lipid bilayers containing lipid A: A model system of gram-negative bacteria
17:20-17:40	S. Schewa (Lübeck University of Applied Sciences): Protein Dynamics Probed by THz Radiation and SAXS
17:40-18:00	T. Gutschmann (Research Center Borstel): Reconstitution and Function of the Asymmetric Outer Membrane of Gram-negative Bacteria
18:00-20:00	Buffet + Poster

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