



2014

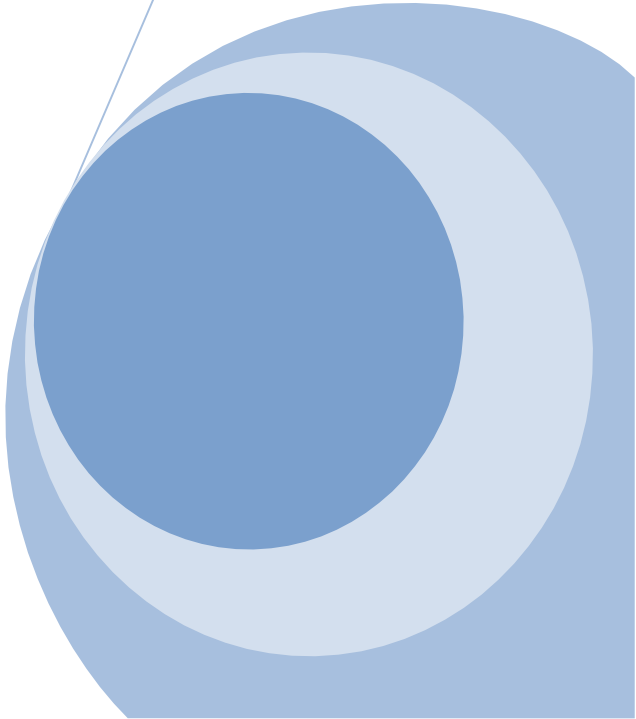
Schedule

SFB 803 Winterschool

Georg-August University Göttingen

24. – 25. February

„Kloster Volkenroda“
near Mühlhausen/Thuringia



Winterschool 2014
24.02.2014 – 25.02.2014
„Kloster Volkenroda“

Monday, 24.02.2014

08:30 **Departure by bus, Tammannstr. 2**

10:00 **Arrival Kloster Volkenroda**

10:40 **Coffee Break**

1. Session

11:00	Welcome	Steinem, Claudia
11:10	B02: Free Energy Landscapes of Vesicle Fusion	Bubnis, Greg
11:35	B03: Simulations of Topological Changes in Lipid Membranes	Fuhrmans, Marc
12:00	B04: SNARE - Mediated Fusion on Pore-Spanning Membranes	Schwenen, Lando

12:25 **Lunch**

2. Session

13:30	B06: Single-Vesicle Method for the Investigation of SNARE-Mediated Membrane Fusion	Witkowska, Agata
13:55	B06: "You may delay, but time will not" - On the Syntaptotagmin-1 Binding to the Membrane	Milovanovic, Dragomir
14:20	B05: Insights into Membrane Fusion with Mammalian Late-Endosomal NAREs and Pathogenic SNARE-Mimics	Halder, Dr. Partho
14:45	B01: PEG Driven Phase Transition of Solid-Supported Lipid Bilayer Stack – an X-ray Reflectivity Study	Xu, Yihui

15:10 **Coffee Break**

3. Session

15:40	B09: Generation and Control of Curved Pore-Spanning Membrane Arrays	Gleisner, Martin
16:05	A12: Computation of Free Energies for the Permeating of N-Arginine Oligomers in Model Membranes	Awasthi, Neha
16:30	A11: Lipid- and Ligand-Dependent Structure of Helical Membrane Proteins	Jaremko, Lukasz
16:55	A07: A Micro Porous Device for Lipid Bilayer Reconstitution	Kaufeld, Theresa
17:20	B08: Data Management	Geil, Burkhard

18:00 **Guided monastery tour with torchlights – followed by a buffet with regional food**

Winterschool 2014
24.02.2014 – 25.02.2014
„Kloster Volkenroda“

Tuesday, 25.02.2014

1. Session

9:00	A01: Recognition of Artificial Peptide Helices in Lipid Membranes	Rost, Ulrike
9:25	A02: Measurements of Nanometer-Distances and Orientations in Biomolecules with EPR Spectroscopy	Halbmair, Karin
9:50	A03: Lipid-Protein Interactions by molecular dynamics simulations	Briones, Rodolfo
10:15	A05: Phase-Separation of Gb3-Containing Membranes	Schütte, Ole

10:40 Coffee Break

2. Session

11:10	A04: NMR Spectroscopic Studies on VDAC + 3D Solid State NMR and DNP Experiments on hVDAC1	Schmidt, Christian and Xiang, Shengqi
12:00	Z02: Time-Varying Electrophysiological Experiments - A Statistical Challenge	Diehn, Manuel

12:25 Lunch

3. Session

13:30	B08: A New 2-D Fusion Assay Based on Colloidal Particles	Janshoff, Andreas
13:55	B05: Development of Novel Hybrid Bio Oligomers as Model Systems for the SNARE Mediated Membrane Fusion	Hubrich, Barbara
14:20	B03: Calculation of the Minimum Free Energy Path Between Fusion Intermediates Using MD Simulations	Smirnova, Yuliya
14:45	A10: Diffusion in Lipid Membranes: SPT vs. FCS and Beyond	Thiart, Jan
	Closing Remarks	Steinem, Claudia

15:30 Departure by bus

17:00 Arrival in Göttingen