

2019

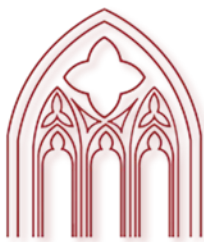


Schedule

SFB 803 WINTER SCHOOL

Georg-August-Universität Göttingen

11.– 12. February



TAGEN & BEGEGNEN
evangelisch gastfreundlich

**Evangelisches
Augustinerkloster**

<http://www.augustinerkloster.de/>

**Augustinerstraße 10
99084 Erfurt**

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Thuringia

Winter school 2019

11.02.2019 – 12.02.2019

„Evangelisches Augustinerkloster zu Erfurt“

Monday, 11.02.2019

08:00 Departure by bus, Tammannstr. 2

10:00 Arrival Augustinerkloster / Check in

10:15 Coffee

1. Session

| | | |
|-------|---|---------------------------|
| 10:30 | Welcome | Steinem, Claudia |
| 10:40 | Atomic models of lipid membrane mimics from MD simulations and experimental data | Ivanović, Miloš (A12) |
| 11:00 | Probing lipid diffusion in curved membranes with fluorescence microscopy | Oleksiievets, Nazar (A10) |
| 11:20 | Leaflet-dependent diffusion in supported lipid bilayers using MIET-FLCS | Sharma, Akshita (A10) |
| 11:40 | Breakthrough forces of supported lipid bilayers offer a route to access the physics of nanopore formation | Verbeek, Sarah (B08) |
| 12:00 | Phase behavior of head group labeled Gb ₃ | Sibold, Jeremias (A05) |

12:30 Lunch

2. Session

| | | |
|-------|--|------------------------|
| 13:30 | The elusive closed state of VDAC | Najbauer, Eszter (A04) |
| 13:50 | Reconstitution of a functional ATP synthase in lipid membranes | Kramer, Kristina (A01) |
| 14:10 | Investigation of α -synuclein aggregates by cryogenic DNP enhanced NMR; backbone interactions with a small molecule | Dervisoglu, Riza (A04) |
| 14:30 | Development and evaluation of adapted primary literature for SFB publications | Hoff, von Elena (Ö1) |

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15:00 Coffee Break

15:30 guided tour of the Augustinerkloster (ca. 7,50 EUR per person)
(<http://www.augustinerkloster.de/>)

ca. 17:00 PI meeting / Members meeting

18:30 Buffet and get-together



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Tuesday, 12.02.2019

1. Session

| | | |
|-------|---|--------------------------|
| 09:00 | Pore-spanning membranes: a tool to study single vesicle content release in SNARE-mediated membrane fusion | Mühlenbrock, Peter (B04) |
| 09:20 | New insight into synaptotagmin vesicle docking kinetics | Angel, Perez-Lara (B06) |
| 09:40 | Membrane fusion studied with x-ray diffraction | Frank, Kilian (B01) |
| 10:00 | Late-endosomal SNAREs - towards the characterization of a "novel" SNARE-family | Krüger, Stefan (B04) |

10:25 Coffee Break

2. Session

| | | |
|-------|--|-------------------------------|
| 10:50 | SNARE mimicking factors - a threat to membrane fusion | Gurumoorthy, Priya (B06) |
| 11:10 | Minimum free-energy paths of fusion intermediates | Smirnova, Yuliya (B03) |
| 11:30 | Fusion pores living on the edge | Risselada, Herre Jelger (B02) |
| 11:50 | Construction of novel hybrid biooligomers as artificial SNAREs | Groth, Mike (B05) |

12:15 Group photo

12:20 Lunch

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3. Session

| | | |
|-------|--|--|
| 13:30 | Artificial transmembrane β -peptides | Kloos, Martin (A01) |
| 13:50 | EPR investigations of β -peptides in lipids – towards the determination of tilt angles | Torricella, Francesco / Halbmaier, Karin (A02) |
| 14:10 | Modeling multiple coupled ion channels | Vanegas, Laura / Eltzner, Benjamin (Z02) |

14:30 Coffee Break

4. Session

| | | |
|-------|--|----------------------|
| 15:00 | Lipid dependent ENTH-membrane interactions | Teske, Nelli (B09) |
| 15:20 | Passive and active response of bacteria under mechanical compression | Garces, Renata (A07) |
| 15:40 | Closing Remarks | Steinem, Claudia |

16:00 Departure by bus

18:00 Arrival in Göttingen