

Program Overview

02 March 2020	03 March 2020	04 March 2020
10:00 Registration / Poster Setup	08:00 Breakfast	08:00 Breakfast
12:00 Lunch	GPCR <i>Hossein Batebi</i>	Check-out before 10:00! Please pay for your Sunday night, if applicable.
13:00 Introduction / Opening	09:00 Ulrich Zachariae	more or less transmembrane <i>Annette Meister</i>
interactions at membranes <i>Maria Hoernke</i>	09:40 Emelyne Pacull	09:20 Indra Schröder
13:10 Frances Separovic*	10:00 Gunnar Schulte	09:40 Madhumalar Subramanian
13:50 Santiago Di Lella	10:40 Coffee Break / Posters	10:00 Nicole Schürmann
14:10 Félix Goñi	GUVs <i>Maria Sarmiento</i>	10:20 David Glück
14:50 Coffee Break / Posters	11:15 Isabel Alves* (>R. Šachl)	10:40 Coffee Break / Posters
UFA <i>Jana Oertel</i>	11:55 Mareike Stephan	behavior of membranes <i>Peter Hildebrand</i>
15:30 Radek Šachl (>I. Alves)	12:20 Group photo	11:30 Christoph Allolio
16:10 Michael Kamel	12:30 Lunch	11:50 Martin Hof
AFM <i>Andra Schromm</i>	13:00 Excursion	12:10 Heiko Heerklotz
16:30 Andreas Janshoff	16:15 Coffee Break / Posters	12:50 Concluding remarks
17:10 Christian Nehls	biological membranes <i>Roland Benz</i>	13:00 Lunch
17:50 Dinner	16:40 Ana Jesús García-Sáez	
<i>Christian Schwieger</i>	17:20 Luke Chao	
19:00 Poster Flashes / Poster Session	17:40 Peter Mühlenbrock	
22:00 Jam Session	18:00 Dinner	
	19:00 Posters and networking	

* 'EBSA'-sponsored lecture



Scientific Program | Monday, 02 March 2020

10:00–12:00	Registration and Poster Setup	Alte Mühle, Große Scheune
12:00–13:00	LUNCH	Eva Hessler Haus
13:00–13:10	Introduction / Opening	Große Scheune, Adelbrin-Saal
	interactions at membranes , Chair: Maria Hoernke	
13:10–13:50	Frances Separovic <i>University of Melbourne, Australia</i> Structure determination of antimicrobial peptides in model membranes and live bacteria	
13:50–14:10	Santiago Di Lella <i>Argentinean National Research Council - Universidad de Buenos Aires</i> Interaction of the Small-Molecule Kinase Inhibitors Tofacitinib and Lapatinib with Model Membranes	
14:10–14:50	Félix Goñi <i>Instituto Biofisika and University of the Basque Country, Leioa, Spain</i> Methods in the study of biologically useful detergents	
14:50–15:30	COFFEE BREAK / POSTERS	
	UFA , Chair: Jana Oertel	
15:30–16:10	Isabel Alves <i>Institut de Chimie & Biologie des Membranes & des Nano-objets, Université of Bordeaux, Pessac, France</i> Impact of lipid polyunsaturation on dopamine D2 receptor activation and signaling	
16:10–16:30	Michael Kamel <i>Institute of Biochemistry, Heinrich Heine Universität Düsseldorf, Germany</i> Unsaturated acyl chains as novel regulators of the protein transport in bacteria: A puzzle of protein:lipid interaction. AFM , Chair: Andra Schromm	
16:30–17:10	Andreas Janshoff <i>Institute of Physical Chemistry, Göttingen, Germany</i> Viscoelastic properties of cell cortices – implications for cellular adhesion	
17:10–17:50	Christian Nehls <i>Research Center Borstel, Germany</i> Mode of action of virulence factors of intracellular pathogens studied with time-resolved and high-resolution atomic force microscopy	
17:50	DINNER	Eva Hessler Haus
	Chair: Christian Schwieger	
19:00	Poster Flashes / Poster Session	Große Scheune
22:00	Jam Session	Große Scheune

Scientific Program | Tuesday, 03 March 2020

08:00–09:00	BREAKFAST	Eva Hessler Haus
	GPCR , Chair: Hossein Batebi	Große Scheune, Adelbrin-Saal
09:00–09:40	Ulrich Zachariae <i>University of Dundee, UK</i> Information theory reveals the functional role of sodium ions and water in GPCR activation	
09:40–10:00	Emelyne Pacull <i>Institut für Medizinische Physik und Biophysik, Universität Leipzig, Germany</i> Residue Type Specific Dynamics of the Growth Hormone Secretagogue Receptor investigated by Solid-State NMR	
10:00–10:40	Gunnar Schulte <i>Karolinska Institutet, Stockholm, Sweden</i> Activation mechanisms of Class F G protein-coupled receptors	
10:40–11:15	COFFEE BREAK / POSTERS	
	FluoGUV , Chair: Maria Sarmento	
11:15–11:55	Radek Šachl <i>J. Heyrovský Institute of Physical Chemistry, Prague, Czech Republic</i> Relating in-membrane oligomerization numbers of proteins to their function	
11:55–12:20	Mareike Stephan <i>Max Planck Institute of Colloids and Interfaces, Potsdam, Germany</i> Bacterial mimetic systems for studying bacterial inactivation and infection	
12:20–12:30	Group photo	
12:30–13:30	LUNCH	Eva Hessler Haus
13:30–16:15	Excursion	Meeting Point: Registration
16:15–16:40	COFFEE BREAK / POSTERS	Große Scheune, Adelbrin-Saal
	biological membranes , Chair: Roland Benz	
16:40–17:20	Ana Jesús García-Sáez <i>University of Cologne, Germany</i> Membrane permeabilization	
17:20–17:40	Luke Chao <i>Mass. General Hospital / Harvard, Boston, United States</i> Two forms of Opa1 cooperate to complete fusion of the mitochondrial inner-membrane	
17:40–18:00	Peter Mühlenbrock <i>Institute of Organic and Biomolecular Chemistry, University of Göttingen, Germany</i> Several Fusion Pathways: SNARE-Mediated Membrane Fusion with Pore-Spanning Membranes Visualized by Single-Vesicle Content Release	
18:00–19:00	DINNER	Eva Hessler Haus
19:00	Posters and networking	Große Scheune, Adelbrin-Saal

Scientific Program | Wednesday, 04 March 2020

08:00–09:00 BREAKFAST Eva Hessler Haus

Check-out before 10:00! Please pay for your Sunday night, if applicable.

more or less transmembrane, Chair: Annette Meister Große Scheune, Adelbrin-Saal

09:20–09:40 **Indra Schröder**
Physiology II, University Hospital Jena, Friedrich Schiller University Jena, Germany
Asymmetric interaction between ions and blocker molecules in a K⁺ channel facilitates prediction of voltage-dependent blocker dissociation kinetics from open-channel ion occupancies

09:40–10:00 **Madhumalar Subramanian**
Helmholtz-Zentrum Dresden Rossendorf, Germany
DNA-Encircled Lipid Bilayer (DEB) as a Tool for Membrane Protein Study

10:00–10:20 **Nicole Schürmann**
Dept. Of Biophysics, Institute of Biology, University of Kassel, Germany
Design of a functional tryptophan and cysteine free mutant of BamA for spectroscopic studies on BamA-mediated folding and insertion of outer membrane proteins.

10:20–10:40 **David Glück**
TU Kaiserslautern, Germany
Polymer-encapsulated Nanodiscs for Human Membrane Proteomics

10:40–11:30 COFFEE BREAK / POSTERS

behavior of membranes, Chair: Peter Hildebrand

11:30–11:50 **Christoph Allolio**
Charles University, Praha, Czech Republic
Calcium ions promote fusion by forming negatively curved clusters on anionic lipids

11:50–12:10 **Martin Hof**
J. Heyrovsky Institute of Physical Chemistry, CAS, Prag, Czechia
Oxysterols and Truncated Oxidized Phospholipids in Model Membranes

12:10–12:50 **Heiko Heerklotz**
AK Pharmazeutische Technologie, Universität Freiburg, Germany
Eutectic resolves lysolipid paradox in thermoresponsive liposomes

12:50–13:00 Concluding remarks

13:00 LUNCH Eva Hessler Haus

Map of the conference venue

	RÄUMLICHKEITEN	GÄSTEZIMMER
1 KLOSTERKIRCHE ST. VITUS		
2 ÄBTISSINENHAUS	WC Erdgeschoss Werner Krüskche Klaus-Peter Hiertzsch	2. Obergeschoss 404 – 429
3 HAUS DER STILLE IM AMTSHAUS	WC Erdgeschoss Mechthild von Magdeburg Frère Roger Dachgeschoss Franziskuskapelle	Erdgeschoss 009 1. Obergeschoss 103 – 116 2. Obergeschoss 203 – 213
4 BRAUHAUS	WC Klosterladen, Café, Weinstube	
5 GÄRTNERHAUS	WC Klosterladen, Café, Weinstube	
6 WOHNHAUS		
7 ALTE MÜHLE		
8 EVA HESSLER HAUS	Rezeption Erdgeschoss Speisesaal Marie Veit-Saal Raimund Hoenen Giebel (re. Flügel) Clubraum mit TV 2. Obergeschoss Henning Luther Johann Heinrich Pestalozzi	1. Obergeschoss 501 – 526 Galeriebereich
9a KLEINE SCHEUNE (Eingang links)	WC Erdgeschoss Jenny A. Dieckmann Catharina von Stolberg	1. Obergeschoss 614 – 619
9b KLEINE SCHEUNE (Eingang rechts)		Erdgeschoss 624 – 627 1. Obergeschoss 620 – 623 Gästewohnung
10 GROSSE SCHEUNE	WC WC Erdgeschoss 1. Obergeschoss Untergeschoss Adelbrin-Saal Philipp Jacob Spener Graf Christian Ernst Galerie mit TV	
11 STALL		Erdgeschoss 601 – 605 1. Obergeschoss 606 – 611
12 INFOPUNKT (Zugang Giebel)	WC Touristische Informationen, Veranstaltungshinweise, Klosterführungen	

Kloster Drübeck

Evangelisches Zentrum

