Posters

Mahmoud Abouelkheir	**Investigating the role of cholesterol on EGFR ligand binding and phosphorylation**
Matilde Accorsi	**Reconciling past and future research: a study on calcium as a protein-free fusogen in negatively-charged cell-sized vesicles**
Christoph Allolio	**Mitochondrial membrane models – from lipids to crista morphology**
Katharina Beck	**Deciphering how membrane active compounds affect membrane lipid order**
Marco Campanile	**Exploring the role of the C-terminus of the cAMP GKY20 in membrane perturbation**
Iulia Carabadjac	**Can TCSPC of tryptophan shed light on concerted effects of cyclic lipopeptides on membranes?**
Federico Carneri	**Pharmacodynamics of antimicrobial peptides: the role of water-membrane partition**
Sarah Crocoll	**D(y)e-coding membrane solubilization: Characterizing lipid-detergent systems with Laurdan and Nile Red**
Ismail Dahmani	**Charged extracellular vehicles (EVs) interfere with Leishmania parasite binding and uptake by phagocytic cells.**
Magali Deleu	**Deciphering the distinct biocontrol activity of fengycin and surfactin, two bacillus lipopeptides, through their differential impact on lipid membranes**
Zhibo Deng	**Unravelling cholesterol flip-flop dynamics in lipid bilayers under thermal gradients: Insights from coarse-grained molecular dynamics simulations**

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Simon Drescher	**Azide- and diazirine-modified membrane lipids: Physicochemistry and applicability to study peptide/lipid interactions via cross-linking/mass spectrometry**
Oskar Engberg	**The impact of tryptophan derivatives on synaptic vesicular exocytosis**
Robert Ernst	**Lipid fingerprints of a stressed membrane**
Noemi Ferrante Carrante	**α-Synuclein cooperative binding to lipid membranes**
Lucas Gewehr	**Monitoring alterations in lipid bilayers in real-time**
Felix M. Goni	**Lateral heterogeneity in phospholipid bilayers containing cardiolipin and ceramide: relevance to autophagy**
Sinja Götz	**Interactions of the antibiotic daptomycin with model membranes compared to a novel cyclic lipopeptide**
Heiko Heerklotz	**Understanding temperature-triggered membrane permeabilization as used in drug delivery**
Nadja Hellmann	**Membrane remodeling by the cyanobacterial protein IM30**
Maria Hoernke	**Membrane permeabilization and other membrane perturbations: a network of mechanisms affecting the significance of model studies**
Andreas Horner	**Monitoring detergent effects in lipid bilayers**
Kalina Hristova	**A membrane model to measure the transducer function of signal propagation along single-pass membrane receptors**
Lisa Hua	**How to relieve asymmetry stress in model membranes**

Posters

Jochen S. Hub	**Lipid composition and lipid-protein interactions greatly modify the free energy landscape of pore formation and fusion**
Michael Kaltenegger	**Shape-based design of bitopic proteins as probes for membrane elastic stress**
Mona Krompers	**Effects of a phase transition in lipid-asymmetric vesicles**
Akanksha Kumari	**Formation of supramolecular structure and phase separation in lipid bilayer upon reconstitution of water-soluble protein hemoglobin**
Melissa Lehnert	**Understanding the fate of mixed micellar drug delivery systems**
Jan Lembeck	**Design of phospholipid-polymer-nanoparticles with phospholipid-dependent drug delivery profiles**
Natalia Markova	**Property-structure-function analysis of complex LNPs using integrative biophysical, molecular-, and cell-based assays**
José C Martins	**Tolaasin structure revisited: On the impact of environment and macrocycle integrity for tolaasin structure and its interaction with membranes**
Annette Meister	**How charges effect the solubilization of artificial and native membranes by amphiphilic copolymers**
Christian Nehls	**Liposomes as model systems for standardized evaluation of antimicrobial peptide membrane permeabilization in microfluidic setups**
Rosario Oliva Roland Winter	**Antimicrobial peptides in action under high pressure conditions**

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Georg Pabst	**Ion-mediated changes of spontaneous monolayer curvature activate the integral enzyme OmpLA.**
Peter Pajtinka	**Can amphipathic helices sense both positive and negative membrane curvatures?**
Kristyna Pluhackova	**Molecular impacts of the drug disulfiram on lipid membranes**
Chetan Poojari	**Mechanistic insights into virus-host interactions**
Garima Rani	**Lipid packing defects in membrane interactions of biomimetic antimicrobial polymers**
Daniela Roversi	**The "Sand in a gearbox" effect of antimicrobial peptides: beyond pore formation**
Alexandre Ahmad Saad	**Solid-State NMR Investigation of Magainin Antimicrobial Peptides in a Realistic Membrane Environment**
Katharina Scherer	**Free energy landscape of membrane topological transitions during fusion and pore formation**
Dirk Schneider	**Membrane shape transitions mediated by prokaryotic members of the ESCRT-III superfamily**
Christian Schwieger	**Adsorption of lipid nanodiscs to monolayers: A new triple layer system for studying membrane proteins**
Enrico Federico Semeraro	**Probing protein-induced local membrane deformation: a small-angle scattering study**
Tsu-Wang Sun	**Photoswitchable lipid dynamics in phase-separated membranes**

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Marius F.W. Trollmann	**mRNA lipid nanoparticle phase transition**
Astrid Walrant	**Arg/Trp cell-penetrating peptides incorporating Trp analogues: internalization and interactions with cell membrane components**
Pablo Zambrona	**Chemically driven self-division in synthetic vesicular systems**
Katja Zieske	**Topographies of lipid membranes are biophysical regulators for the spatial organization of liquid protein condensates**