

A detailed, high-magnification image of a cell membrane, showing numerous microvilli (finger-like projections) extending from the surface. The structures are light yellow and have a smooth, rounded appearance, set against a slightly darker, textured background of the membrane itself.

77th

Mosbacher Kolloquium

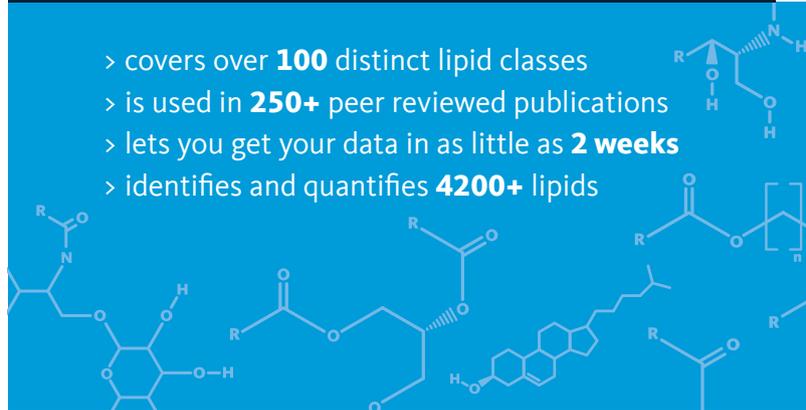
More than lipidic barriers -
New horizons in membrane biology

Program

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Britta Brügger



Robert Ernst



André Nadler



Christian Ungermann

Dear Friends and Colleagues,

The traditional spring meeting of the German Society for Biochemistry and Molecular Biology (GBM) will once again take place in the charming town of Mosbach.

The 77th Mosbacher Kolloquium, entitled “More than lipid barriers – New Horizons in Membrane Biology”, will explore the dynamic and interdisciplinary world of cellular membranes – far beyond their classical role as simple boundaries.

Membranes are fundamental to life: they define organelles, compartmentalize cellular functions, and harbor essential processes such as signaling, nutrient uptake, and energy production. Recent advances have deepened our understanding of their molecular complexity, the role of lipid homeostasis, and how membrane organization changes in response to cellular stress and disease.

The meeting will bring together leading experts to discuss cutting-edge research at the interface of biochemistry, biophysics, cell biology, and chemical biology. Topics will range from membrane organization and lipid transport to the latest technologies in membrane analytics, including high-resolution imaging and mass spectrometry.

To foster scientific exchange and inspire the next generation of researchers, the meeting will feature talks by established leaders and emerging scientists alike. Keynote lectures and presentations by invited speakers are spiced up by selected short talks from submitted abstracts. One scientific session will be organized and chaired by the Junior GBM, highlighting their active role in shaping the conference.

We look forward to welcoming you to Mosbach in 2026 for an inspiring meeting filled with exciting science, lively discussions, and new collaborations.

With best regards,

Britta Brügger · Robert Ernst
André Nadler · Christian Ungermann

Program

Wed., March 25



Congress center „Alte Mälzerei“



ScienceFluencer Award



Silja Friederike Zedlitz



Tobias Dorer

Arrival & registration

16:00 - 19:45 · Lecture hall

Introductory lecture („Primer“)

17:30 - 18:30 · R. Ernst · Lecture hall

A short intro to the topic of this year's Mosbacher Kolloquium (delivered by the organizers)

ScienceFluencer Award ceremony

18:30 - 18:50 · Lecture hall

Rainer Rudolph Awards

19:00 - 19:30 · Lecture hall

The Rainer Rudolph Foundation promotes and supports basic and applied research in protein biochemistry and biotechnology. Every year awards are given to young scientists who have made outstanding advances in these fields.

Silja Friederike Zedlitz · Dresden [DE]

Minimal rhodamine probes for covalent protein labeling in live cells

Tobias Johannes Dorer · Copenhagen [DK]

Assessment and development of a preexisting pipeline for computational design of multistate proteins

Welcome reception · Get together

20:00 - 22:00 · Town hall of Mosbach

The steering committee of the German Society for Biochemistry and Molecular Biology (GBM) and the city of Mosbach invite you to a welcome reception in the town hall of Mosbach (no registration required)

We thank the city of Mosbach for the kind hospitality.



Dimitrios Stamou



Agata Witkowska



Gia Voeltz



Ana García-Sáez



Emma Fenech



Wanda Kukulski

Opening remarks

08:45 - 09:00 · C. Ungermann · Lecture hall

Session 1: Membrane & organelle organization

09:00 - 12:00 · Chair: C. Ungermann · Lecture hall

09:00 · **Dimitrios Stamou** · Copenhagen [DK]

The shape of the plasma membrane regulates the nanoscale organization, function and pharmacology of transmembrane proteins

Early career investigator talk 1

09:30 · **Agata Witkowska** · Berlin [DE]

Mechanical control of neurotransmission via a disordered domain of an endocytic protein

09:45 · **Gia Voeltz** · Boulder, CO [USA]

Nuclear envelope budding is a non-canonical mechanism to export large transcripts in muscle cells

10:15 · Coffee break

10:45 · **Ana García-Sáez** · Frankfurt am Main [DE]

Illuminating mitochondrial permeabilisation in apoptosis

Early career investigator talk 2

11:15 · **Emma Fenech** · Cologne [DE]

Building a functional atlas of homologous contact site machineries through advanced interaction mapping

11:30 · **Wanda Kukulski** · Bern [CH]

The architecture of organelle contact sites

12:00 - 13:00 · Lunch break

Elsevier publishing workshop: What journal editors look for: Insights from Elsevier and Cell Press

12:00 - 13:00 · Tenne · [more info on page 24](#)

Meet the Prof I with Bruno Antonyy

12:00 - 13:15 · Darre · [more info on page 23](#)

Program

Thu., March 26



Ilya Levental



Rumania Dimova



Gerhard Hummer



Kaja Grewe



Verena Cmentowski



Anuj Kumar

Poster Session I

13:00 - 14:30 · even numbers

Session 2: Biochemistry meets Biophysics

14:30 - 16:45 · Chair: R. Ernst · Lecture hall

14:30 · **Ilya Levental** · Charlottesville, VA [USA]
Tools for measuring the compositional and biophysical paralipidome of cell membrane proteins

15:00 · **Rumania Dimova** · Potsdam [DE]
Biomolecular condensates as membrane sculptors

15:30 · Coffee break

16:00 · **Gerhard Hummer** · Frankfurt am Main [DE]
From lipid flip-flop to membrane nanopores and protein insertion

Early career investigator talk 3

16:30 · **Kaja Grewe** · Regensburg [DE]
Exploring the biochemical and biophysical characteristics of archaeal membranes

Bayer Pharmaceuticals PhD Award

16:45 - 17:00 · Chair: C. Seidel · Lecture hall

Verena Cmentowski · Cambridge [UK]
Assembly principles of the kinetochore corona and their relevance for mitotic checkpoint signaling



GBM PhD Award

17:00 - 17:15 · Chair: C. Seidel · Lecture hall

Anuj Kumar · Marburg [DE]
Structural basis of CO₂ fixation and energy conservation in acetogens

GBM General Meeting

17:15 - 19:30 · Lecture hall



Bruno Antony

Feodor Lynen Lecture

19:30 - 20:30 · Laudatio: R. Ernst · Lecture hall

Bruno Antony · Valbonne [FR]

Lipid packing defects: a journey with a fuzzy but insightful concept in molecular membrane biology

The German Society for Biochemistry and Molecular Biology honors Bruno Antony with the distinguished Feodor Lynen Medal.

After the prize lecture the GBM invites all participants to join the Lynen Reception.



Lynen Reception

20:30 - 22:00 · Foyer

Poster Session II

20:30 - 22:00 · even & odd numbers

Get Together & Networking

22:00 - 24:00 · Lecture hall



James Olzmann



Rebecca Taylor



Suzanne Pfeiffer



Florian Fröhlich



Wenxin Zhang



David Teis

Session 3: Lipid homeostasis in health and disease

09:00 - 10:15 · Chair: R. Ernst · Lecture hall

09:00 · **James Olzmann** · Berkeley, CA [USA]
Mechanisms of cellular lipid homeostasis: From lipid droplets to ferroptosis

Early career investigator talk 4

09:30 · **Rebecca Taylor** · München/Martinsried [DE]
The role of GOLPH3 in COPI coated vesicle cargo selection

09:45 · **Suzanne Pfeiffer** · Stanford, CA [USA]
Rab GTPase phosphorylation in Parkinson's Disease

10:15 · Coffee break

Session 4: Lipid homeostasis in health and disease

10:45 - 12:00 · Chair: A. Nadler · Lecture hall

10:45 · **Florian Fröhlich** · Osnabrück [DE]
Protecting membranes from stress by very long-chain fatty acids

Early career investigator talk 5

11:15 · **Wenxin Zhang** · Frankfurt am Main [DE]
Cathepsin-dependent amyloid formation drives mechanical rupture of lysosomal membranes

11:30 · **David Teis** · Innsbruck [AT]
Orphan protein quality control at the Golgi protects organelle architecture

12:00 - 13:00 · Lunch break

DFG funding opportunities for graduates

12:00 - 13:00 · Tenne · [more info on page 25](#)

Meet the Prof II with Maya Schuldiner

12:00 - 13:15 · Darre · [more info on page 23](#)

Program

Fri., March 27



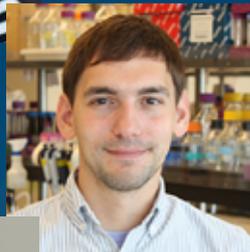
Dan Larhammar



Bernhard Sabel



Sonja Bjelobaba



Itay Budin



Francesca Bottanelli



Pinki Gahlot



Anja Heddier

Meet the Editor

12:15 - 13:00 · Malzboden · [more info on page 23](#)

Second senior experts' lunch symposium

Is artificial intelligence a world-wide threat for bio- and molecular sciences helping to generate fraud?

12:15 - 13:45 · Lecture hall · [more info on page 25](#)

12:20 · **Dan Larhammar** · Uppsala [SE]
Fact or fake? Tackling science disinformation

12:40 · **Bernhard Sabel** · Magdeburg [DE]
Fake-Mafia in bioscience – the paper mills

13:00 · **Sonja Bjelobaba** · Uppsala [SE]
When machines write science: Generative AI and the crisis of research integrity

13:20 · **Discussion and Q&A**

Poster Session III

13:00 - 14:30 · odd numbers

Junior GBM Session

14:30 - 16:00 · Chair: V. Wolf/J. Rathke · [Lecture hall](#)

14:30 · **Itay Budin** · La Jolla, CA [USA]
Uncovering the private lives of lipids with new chemogenetic imaging approaches

15:00 · **Francesca Bottanelli** · Berlin [DE]
Decoding membrane dynamics with quantitative and super-resolution microscopy

Early career investigator talk 6

15:30 · **Pinki Gahlot** · Essen [DE]
Lysosomal damage sensing and lysophagy initiation by SPG20-ITCH

Early career investigator talk 7

15:45 · **Anja Heddier** · Jülich [DE]
Structural characterization of a novel bacterial ESCRT-III protein in E. coli



Lina Herhaus



Maya Schuldiner



Otto Warburg Medal

16:00 · Coffee break

Otto Meyerhof Prize

16:30 - 17:00 · Chair: C. Seidel · Lecture hall

Lina Herhaus · Braunschweig [DE]
IRGQ-mediated autophagy in
MHC-I quality control drives tumor immune evasion



Otto Warburg Lecture & Medal

17:00 - 18:00 · Laudatio: C. Ungermann · Lecture hall

Maya Schuldiner · Rehovot [IL]

Targeting, tethering, and talking:
Membranes beyond barriers

This year the GBM, Elsevier and Biochimica et Biophysica Acta (BBA) will honor Maya Schuldiner from the Weizmann Institute of Science in recognition of her fundamental contributions to the understanding of the targeting process of proteins to organelles and the discovery of several contact sites of organelles with the Otto Warburg Medal.

The highest award in Germany for biochemists and molecular biologists promotes outstanding scientific excellence and encourages groundbreaking achievements in the field of fundamental biochemical and molecular biological research.

Since 1963 the Otto Warburg Medal is intended to commemorate the outstanding achievements of Otto Heinrich Warburg.



Meeting of the GBM Postdocs & Young Investigators

19:00 · Darre

Annual meeting of the Junior GBM

19:00 · Lecture hall



Maria Fedorova



Cristian Rocha Roa



Rachid Thiam



Jörg Bewersdorf



André Nadler



Jeremy Baskin

Session 5: Cutting-edge technologies

09:00 - 12:00 · Chair: R. Ernst/A. Nadler · Lecture hall

09:00 · **Maria Fedorova** · Dresden [DE]
Molecular architecture of lipid metabolism: insights through the lens of mass spectrometry

Early career investigator talk 8
09:30 · **Cristian Rocha Roa** · Fribourg [CH]
High-throughput CGMD simulations enable proteome-wide identification of lipid scramblases in yeast

09:45 · **Rachid Thiam** · Paris [FR]
Biophysical mechanisms of cholesterol synthesis and storage

10:15 · Coffee break

10:45 · **Jörg Bewersdorf** · New Haven, CT [USA]
Revealing sub-cellular complexity (of the Golgi) with super-resolution microscopy

Early career investigator talk 9
11:15 · **Camille Cuveillier** · Geneva [CH] & **Mahmoud Moqadam** · Bergen [NO]
Molecular mechanism of ceramide transfer by STARD11 / CERT

11:30 · **André Nadler** · Dresden [DE]
Time for Lipid Cell Biology - Combining lipid imaging and proteomics for mechanistic discovery

12:00 · **Jeremy Baskin** · Ithaca, NY [USA]
Membrane editing and proximity proteomics reveals regulators of lipid homeostasis

Poster prizes and closing remarks

12:30 - 13:00 · Lecture hall



Bruno Antony



Maya Schuldiner

Meet the Prof

This year's guests of the Junior GBM are Bruno Antony and Maya Schuldiner. The scientists will give insights into their lives as researchers and their personal careers. In addition, you can ask questions in an informal atmosphere that may help you with your personal orientation in research and career or that simply interest you.

Thursday, March 26, 12:00 - 13:15 (Darre)

Guest: **Bruno Antony** (IPMC Valbonne, France)

Chair: Verena Wolf

Friday, March 27, 12:00 - 13:15 (Darre)

Guest: **Maya Schuldiner** (Weizmann Institute, Israel)

Chair: Irina Shevyreva

A registration is required.

Meet the Editor

Analogous to the well-known format "Meet the Prof", this session provides insights into career paths in scientific publishing.

What does the everyday life of a scientific editor look like? How does editorial work differ from academic research? What skills are essential when evaluating manuscripts, guiding the peer-review process, or shaping the scientific dialogue in a journal?

Friday, March 27, 12:15 - 13:00 (Malzboden)

Guests:

Sadaf Shadan (Nature)

Karin Kühnel (Cell)

Amadeusz Bryła (DeGruyter Brill)

Christine Schreiber (Springer)

Chairs: Frederike Knipp & Katharina Hieke-Kubatzky

A registration is required.

Publishing workshop

What journal editors look for:
Insights from Elsevier and Cell Press

This workshop offers early-career researchers a behind-the-scenes look at how journal editors evaluate manuscripts, make editorial decisions, and assess research significance and fit. Drawing on perspectives from both academic and professional Elsevier and Cell Press editors, the session will unpack key elements of a strong submission, common reasons for rejection and/or transfers, and how peer review shapes the final publication outcome. Participants will gain practical, actionable guidance to help them position their research more effectively and navigate the journal publishing process with greater confidence.

Thursday, March 26, 12:00 - 13:00 (Tenne)

A registration is required.

DFG funding workshop

Funding opportunities for Graduates in life sciences

This talk is aimed at Master and PhD Students as well as early Post-Docs in Life Sciences. Elaborating on the funding opportunities of the German Research Foundation (DFG) it will provide early career researchers an overview of respective possibilities to kick-off a career in academia.

A Program Director from the DFG will be available for your questions.

Friday, March 27, 12:00 - 13:00 (Tenne)

Speaker: Nikolai Raffler

A registration is required.

2nd Senior experts symposium

Is artificial intelligence a world-wide threat for bio- and molecular sciences helping to generate fraud?

The publish-or-perish imperative has fueled a surge of mis- and disinformation, with fabricated papers now numbering in the thousands each year in biomedicine alone. These fabrications increasingly rely on artificial intelligence and industrialized plagiarism, underscoring the urgent need to rethink current practices in scientific publishing. We present countermeasures developed by an international panel of experts in June 2025, published as the "Stockholm Declaration" on the "Reformation of Scientific Publishing." Everyone can co-sign here: <https://sciii-it.org/stockholm-declaration>

Friday, March 27, 12:15 - 13:45 (Lecture hall)

Speakers:

Dan Larhammar, Uppsala [SE]

Bernhard Sabel, Magdeburg [DE]

Sonja Bjelobaba, Uppsala [SE]

Chairs: Rolf Heumann & Georg Reiser

Session times

Thursday, 13:00 - 14:30 (even numbers)

Thursday, 20:30 - 22:00 (all numbers)

Friday, 13:00 - 14:30 (odd numbers)

During the poster sessions the presenting authors are requested to stay near their posters. Posters should be presented throughout the whole meeting.

Poster specifications

The posters should be presented in portrait format (DIN A0 resp. ~120 x 85 cm).

Poster abstracts

All poster abstracts are available the meeting homepage.

A printed abstract booklet is available for viewing purposes at the registration desk.

Poster numbers

Please see the poster list on pages 36ff for poster numbers.

Poster prizes

The best three posters will be awarded at the end of the meeting with a poster prize by GBM and FEBS Open Bio (300 € each).

The winners will be announced at the end of the meeting on Saturday. To receive the prize, personal attendance is required.



GERMAN SOCIETY FOR
BIOCHEMISTRY AND
MOLECULAR BIOLOGY

78. Mosbacher Kolloquium

Precision Medicine:
From Molecular Mechanisms to Therapeutic Innovation

March 17 - 20, 2027 / Mosbach (Baden), Germany

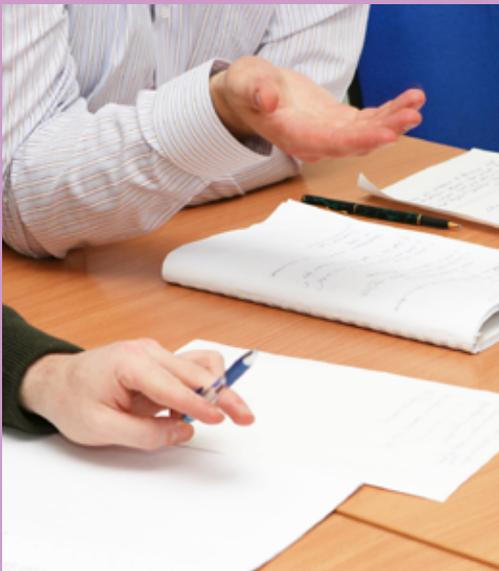
Speakers

Michelle Arkin / San Francisco [USA] · Melanie Borries / Freiburg [DE]
Andrea Califano / New York [USA] · Alessio Ciulli / Dundee [UK]
Channing Der / Chapel Hill [USA] · Martin Eilers / Würzburg [DE]
Stefan Fröhlich / Heidelberg [DE] · Matthew Garnett / Hinxton [UK]
Lena Illert / München [DE] · Francesco Iorio / Milano [IT]
Stefan Knapp / Frankfurt am Main [DE] · Kiran Musunuru / Philadelphia [USA]
Serena Nik-Zainal / Cambridge [UK] · Evangelia Petsalaki / Heidelberg [DE]
Stefan Pfister / Heidelberg [DE] · Roland Rad / München [DE]
Chi Van Dang / New York [USA] · Catherine Wu / Boston [USA]

Organization

Manuel Kaulich · Frankfurt am Main
Thomas Oellerich · Frankfurt am Main
Claudia Scholl · Heidelberg





Sitzung: Arbeitskreis Studium
Molekulare Biowissenschaften

25. März · 14:00 - 16:30 · Schalander

Sitzung: Sprecher*innen der
GBM-Studiengruppen und Arbeitskreise

25. März · 17:00 - 19:00 · Malzboden

Sitzung: GBM Kontaktpersonen

26. März · 12:30 - 14:00 · Malzboden

GBM Mitgliederversammlung

26. März · 17:15 - 19:30 · Lecture hall

Sitzung: Arbeitskreis „Biochemie in der Medizin“

27. März · 12:00 - 14:30 · Schalander

Sitzung: Junior GBM Leaders

27. März · 13:30 - 14:30 · Tenne

Vollversammlung: Junior GBM

27. März · 19:00 - 21:00 · Lecture hall

Meeting GBM Postdocs & GBM Young Investigators

27. März · 19:00 - 20:00 · Darre

Conference Office

Opening hours are

Wednesday: 16:00 - 19:45
Thursday: 08:00 - 17:00
Friday: 08:30 - 16:00
Saturday: 08:30 - 11:00

Phone: +49 69 6605670
Email: info@mosbacher-kolloquium.org

Internet

There will be a wireless LAN access point in the conference centre.

SSID: GBM
Key: gbm-online

Lunch & Coffee Breaks

Coffee, tea and mineral water will be provided for free during the coffee breaks. Lunch and Dinner is available at your own expense in the conference center or in one of the restaurants in the city of Mosbach.

Please note

Your name badge and the program booklet are available at the registration desk.

We kindly ask you to wear your name badge as an entry ticket during the whole meeting.

Venue

The Kolloquium takes place in the „Alte Mälzerei“ in Mosbach/Baden (Germany).

Alte Mälzerei
Alte Bergsteige 7
74821 Mosbach/Baden

Videos & Photos

GBM will take photographs and videos during the conference to document the event for press releases and social media.

Such images do not relate to specific individuals but reflect the character of the events, although individuals may be recognizable as participants of the event.



ii Hotel „Zum Amtsstüble“

1 Oberer Torturm



2 Haus Kickelhain



3 Altes Hospital



3a Scharfrichter-Haus



4 Palm'sches Haus



5 Rathaus



6 Salzhaus



7 Synagogenplatz



8 Altenzentrum Pfalzgrafenstift



9 Mosbacher Schloss



10 Kandel



11 Kiwwelschisserbrunnen



12 Stiftskirche



i Congress Centre „Alte Mälzerei“



ii Hotel „Zum Amtsstüble“



iii City Hall



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GESELLSCHAFT FÜR BIOCHEMIE
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GBM Compact

Focus on RNA structure & dynamics

September 17 - 18, 2026 / Frankfurt am Main

Speakers

Martin Blackledge [Grenoble] || Alfredo Castello [Glasgow] ||
Maria Duca [Nice] || Olivier Duss [Heidelberg] || Valérie Gabelica [Geneva] ||
Michelle Hastings [Ann Arbor] || Silvi Rouskin [Boston] ||
Andreas Schlundt [Greifswald] || Redmond Smyth [Strasbourg]
Kevin Weeks [Chapel Hill] || Sarah Woodson [Baltimore]

Organization

Sutapa Chakrabarti [Berlin] || Florian Heyd [Berlin] || Eva Kowalinski [Grenoble]
Harald Schwalbe [Frankfurt] || Markus Wahl [Berlin] || Julia Weigand [Marburg]



- M 10 · Petia Adarska
ARF1 orchestrates a Rab cascade to control endocytic recycling
- T 07 · Cynthia Alsayyah
Modulating membrane compressibility to study ER membrane protein insertion and topogenesis
- M 06 · Jannis Anstatt
A Dynamic Equilibrium of Crista States Adapts Cristae Architecture to Metabolism Independently of MICOS
- O 05 · Ghaith Ardromly
Effects of metabolic glycoengineering on sialylation- and adhesion-related protein expression in GNE-deficient HEK293 cells
- M 55 · Annabel Arens
The transmembrane protein Vac7 couples vacuole stress sensing to Fab1-kinase mediated PI(3,5)P₂ synthesis
- S 08 · Diego Artigas Hernández
Synthesis of Betaine Lipids and Phosphate Starvation in Physcomitrium patens
- O 09 · Pavel Barajtjan
Investigating the Tardigrada Lipid Landscape
- H 04 · Inês Barbosa Moreira
Glycosphingolipid profiling reveals tumor-specific remodeling and secretion in bladder cancer
- O 11 · Hannah Barz
Mechanism of GAP tumour suppressors on endo-lysosomal membranes
- M 42 · Julia Baum
Phospholipid Dynamics in Myoblast Plasma Membranes

- B 12 · Marnie Baumeister
Membranolytic versus non-membranolytic mode of action of two antimicrobial laticrin peptides from spider venom
- M 31 · Pia Beer
Investigation of *Cryptococcus neoformans* lipid flippases
- H 07 · Julia Beimdiek
Loss of Glucosylceramide Synthase Drives Membrane Lipid Remodeling and Molecular Alterations in Human iPSCs
- O 13 · Juanfran Belén Aguilar
Optimizing proximity labeling to dissect structure-detailed interactions of Bcl-2 family proteins at the mitochondrial outer membrane
- M 07 · Linda Bessert
Activity profiles of membrane bound guanylate cyclase related to retinal disease-causing mutations
- M 46 · Sneha Bhatt
Remodelling of the Endoplasmic Reticulum in Mammalian Cells
- B 03 · Patryk Bielski
Bicelles stabilize a compact conformation of opsin with enhanced α -helical packing
- O 16 · Florestan Bilsing
Structural basis of Protein O-mannosylation by Pmt4
- H 02 · Hellen Bleeker
Characterization of the methyltransferase Cho2 in yeast
- T 02 · Elisabeth Bobkova
Chemically tunable permeability of engineered alpha-Hemolysin in synthetic membranes
- M 48 · Johanna Bode
Role of Pex31 in organelle adaptation to metabolic cues

- H 03 · Kristin Böhlig
Decoding ether lipid roles in ciliary function
- O 12 · Erik Böhm
Neutrophil-derived extracellular vesicles associate with miRNAs to potentially silence gene expression in the human pathogenic fungus *Aspergillus fumigatus*
- M 39 · Maria Bohnert
New players in lipid droplet biology: contact sites meet organelle motility
- M 35 · Sigurd Braun
Metabolic control at the nuclear envelope: lipid composition as a regulator of gene silencing
- O 17 · Lasse Bredegaard
Synthesis of fluorescent sphingolipids for the analysis of plasma membrane lipid dynamics
- M 56 · Frederik Brinks
TORC1-dependent sorting of PI(3,5)P₂ is required for vacuole membrane remodeling and signaling endosome formation
- O 03 · Lina Brodskaja
Bridging the gap: Lipid trafficking between the inner and outer membranes of *Agrobacterium tumefaciens*
- S 11 · Janine Cathrin Brück
Triglyceride synthesis pathway and stress sensing in lipid droplet-mediated longevity
- M 27 · Kira Brümmer
In vitro characterization of 3- Ketosphinganine reductase Tsc10 in yeast
- M 11 · Martin Buitrago-Arango
Assessing the selectivity of non-vesicular lipid transport pipelines

- M 41 · Margret Bülow
Pex19 mediates membrane contact sites between peroxisomes and Golgi to promote insulin-like peptide secretion
- M 43 · Jakob D. Busch
Polytopic inner mitochondrial membrane proteins are inserted by selective cooperation with the TIM22 insertase
- H 10 · Jona Causemann
Ubiquitin-dependent signal amplification in lipid saturation sensing
- M 12 · Di Chen
Ca²⁺ leakage triggers multilamellar membrane remodelling after endomembrane damage in macrophages
- M 26 · Lena Clausmeyer
How Ceramides Are Made: Structural and Functional Analysis of Yeast and Human Ceramide Synthases
- S 05 · Alexandra Cogan
Regulation of the unfolded protein response by anionic lipids
- M 49 · Katelyn Cook
Selective lipid-protein interactions regulate the assembly of organelle membrane complexes
- B 13 · Thorben Cordes
Multiparameter single-liposome characterization of active membrane transport by the maltose ABC-importer from *E. coli*
- M 04 · Darla Dancourt
A “peroxisomal burst” in neuronal membrane remodeling
- M 50 · João Diamantino
Selective protein degradation from the Golgi apparatus membrane

B 18 · Laís do Carmo

Unraveling Membrane Remodeling by a Self-Organized Lipid Kinase/Phosphatase System in vitro

T 04 · Gary Domeniconi

Delivering lipids to organelles via a novel photocage

B 08 · Moritz Enghofer

Interaction studies of PDGFR α mutants with the viral oncoprotein E5

S 07 · Rebecca V. Ernst

Structural studies on Pinholin of phage ϕ 21

S 06 · Rebecca Fausten

Spatial reorganization of the ceramide synthase in response to stress

O 06 · Liliana Fernandes da Costa

Elucidating the role of lipid transfer proteins for the outer membrane homeostasis in *C. jejuni*

M 01 · Natalie Friemel

Morphogenesis of complex membrane structures: Endoplasmic Reticulum stacks and whorls

O 10 · Guenter Fritz

Mapping Na⁺ sites in the Na⁺-translocating NADH:quinone oxidoreductase from *Vibrio cholerae*

O 10 · Julia Fritz

Mapping Na⁺ sites in the Na⁺-translocating NADH:quinone oxidoreductase from *Vibrio cholerae*

O 08 · Christos Gatsogiannis

High-resolution structures of the UapA purine transporter reveal unprecedented aspects of the elevator-type transport mechanism

M 36 · Nadine Gehle

Mitochondrial targeting and pore formation by Gasdermin E during apoptosis

B 10 · Lucas Gewehr

Mechanistic Insights into Bacterial Gasdermin Pore Formation

S 01 · Tom Goetze

Functional investigation of the ESCRT-III homologue Vipp1 using in situ cryogenic electron tomography

H 06 · Garyfallia Gouna

Lipid signature of Atp11bKO small vessel disease (SVD) rat model

M 51 · Theresia Gutmann

Spatial regulation of cytosolic DNA sensing by the innate immune sensor cGAS

B 14 · Eduard Haar

Reconstitution of membrane tethering and fusion machineries on supported membranes

M 54 · Arpita Halder

The molecular machinery for actin-dependent lipid droplet motility

T 06 · Steffen Tammo Harms

Interrogation of effector interactions at active signaling complexes by live-cell nanopatterning

B 06 · Mark G. Herbert

Fluorescence-based oligomerization and self-assembly study of two membrane-active, amphipathic antimicrobial peptides

T 01 · Pascal Höhne

Application of optogenetic tools to characterize contact site dynamics

S 12 · Marie Hugenothe

Two wrongs make a right? - How loss of Pex31 rescues stressed Δ pah1 cells

M 18 · Marine Huhardeaux

Discovering unique roles for the human KDEL receptor homologs

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Role of the hypervariable domain of Ypt7 in activation and effector binding

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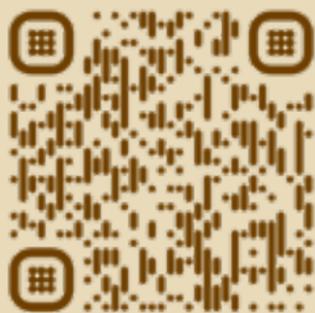
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