



Gesellschaft für Biochemie
und Molekularbiologie e.V.

68th

Mosbacher Kolloquium

March 30 - April 1, 2017

CELL ORGANELLES

-

ORIGIN, DYNAMICS,
COMMUNICATION

Program

Scientific Organizers

Chris Meisinger
University of Freiburg
Freiburg, Germany

Jan Riemer
University of Cologne
Cologne, Germany

Blanche Schwappach
University Medical Center Göttingen
Göttingen, Germany

Conference Office

Sabine Hähnke-Metzen
Anke Lischeid
Tino Apel

German Society for Biochemistry
and Molecular Biology (GBM)
Mörfelder Landstr. 125
60598 Frankfurt am Main
Germany

Tel +49 69 660567 0
Fax + 49 69 660567 22
info@gbm-online.de
www.gbm-online.de

TABLE OF CONTENTS

Content	Page
Organization	2
Welcome address	4
Program	6
Prize lectures	14
Feodor Lynen Lecture	
Otto Warburg Medal	
Bayer Healthcare PhD Prize	
Not only science - for students	16
academics.de career workshop	
Meet the Prof	
Not only science - for young researchers	18
Funding opportunities in Germany	
Social program	20
General information	22
Prior to the Kolloquium	22
Journey and arrival	23
During the Kolloquium	24
Exhibitions	26
Poster exhibition	
Industrial exhibition	
City map	28
List of posters	30

Dear Colleagues,

The traditional spring meetings of the German Society for Biochemistry and Molecular Biology (GBM) are held annually in the picturesque town of Mosbach to promote the exchange of scientific ideas and to foster the education of young scientists. The scientific theme of the 68th meeting is „Cell Organelles - Origin, Dynamics and Communication“.

Cell organelles segregate metabolic pathways from each other and thus enable cellular use of competing or incompatible reactions as physiologically appropriate. Subcellular compartmentalization is a classical topic in molecular cell biology, which is currently undergoing exciting developments, based on methodological as well as conceptual changes.

ME ADDRESS

At the meeting, emerging new concepts of organellar biology will be discussed by leading experts covering topics such as communication between organelles, fine-tuning of organellar morphology and motility, compensation of loss in organellar function by other organelles, organellar contact sites, and adaption of organellar identity to different physiological or pathophysiological states.

We look forward to seeing you in Mosbach.

Chris Meisinger
Jan Riemer
Blanche Schwappach

PROGRAM WEDNESDAY

16:00 - 19:30 Insights into funding opportunities for young investigators in Germany (organized by the GBM Young Investigators)

17:00 - 20:00 Arrival and registration

18:00 - 19:30 Introductory lecture („primer“) on cell organelles
Chris Meisinger / Jan Riemer / Blanche Schwappach

20:00 - 22:00 Get-together and welcome reception by Johannes Buchner (president of the GBM/city hall)



City hall/Mosbach

Primer on Cell Organelles

The organizers offer a brief introduction into the conference topic for attendees mainly at the undergraduate and graduate student level. The presentation will summarize basic and medical aspects of previous and current research in this area, and describe the technologies used.

Welcome Reception

The Steering Committee of the German Society for Biochemistry and Molecular Biology (Gesellschaft für Biochemie und Molekularbiologie, GBM) and the city of Mosbach invite you to a welcome reception at 8 p.m. in the city hall (Rathaus, Marktplatz/Hauptstraße) in Mosbach (to end about 10 p.m. - no registration required)

We thank the city of Mosbach for the kind hospitality.

THURSDAY

08:50 - 09:00 Opening remarks
Chris Meisinger (Scientific organizer)
Johannes Buchner (President of the GBM)

09:00 - 12:00 Session 1 (Chair: D. Leister):
Evolution and origin of organelles

09:00 - 09:30 André Schneider /Bern [CH]
*Mitochondrial biogenesis in trypanosomes -
Expect the unexpected*

09:30 - 09:45 Short talk:
Silvia Ramundo /San Francisco [US]
*Exploring MARS, a collection of mutants
affecting chloroplast-to-nucleus retrograde
signaling*

09:45 - 10:15 Margarete Robinson /Cambridge [UK]
*Clathrin adaptors, coat evolution, and
endocytosis*

10:15 - 10:45 Coffee break

10:45 - 11:15 Mark Field /Dundee [UK]
*Evolution of the nucleus: Lamina and the
nuclear pore complex in trypanosomes*

11:15 - 11:45 Andreas Weber /Düsseldorf [DE]
*The MAT hypothesis of plastid origin
through endosymbiosis*

12:00 - 13:00 Lunch break

12:00 - 13:15 Meet the Prof (Chair: S. Rosскопff)
Guest: Robert Ernst (Room Darre)

13:00 - 14:30 Poster Session I (even numbers)

PROGRAM

DAY

9

-
- 14:30 - 17:30 Session 2 (Chair: P. Rehling):
Functional networks organelles
- 14:30 - 15:00 Ed Hurt / Heidelberg [DE]
*The coupling between ribosome biogenesis
and nucleo-cytoplasmic transport*
- 15:00 - 15:30 Florian Heyd /Berlin [DE]
*Alternative splicing dynamically controls
ER export*
- 15:30 - 16:00 Sven Thoms /Göttingen [DE]
*From peroxisomes to translational
readthrough (with a return ticket)*
-
- 16:00 - 16:30 Coffee break
-
- 16:30 - 17:00 Junior GBM Session (Chair: M. Lafrentz):
Robert Ernst /Frankfurt [DE]
*The activation of the unfolded protein
response by lipid bilayer stress*
-
- 17:00 - 17:30 Junior GBM Session (Chair: P. Saary):
Maximilian Ulbrich /Freiburg [DE]
*Using single molecule imaging to study
cellular signaling*
-
- 17:30 - 18:55 GBM General Meeting
-
- 19:00 - 20:00 Feodor Lynen Lecture (Chair: J.Herrmann):
Jodi Nunnari /Davis [US]
The behavior of mitochondria
-
- 20:00 - 21:30 Lynen reception
-
- 20:00 - 21:30 Poster session II (all numbers)
-
- 22:00 - 24:00 Party & Dance (org. by Junior GBM)

Thursday, March 30

PR FRIDAY

09:00 - 12:00 Session 3 (Chair: B. Westermann):
Organellar Signaling

09:00 - 09:30 Michael Schroda / Kaiserslautern [DE]
Stress responses in chloroplasts

09:30 - 10:00 Barbara Conradt /Munich [DE]
*Systematic identification of inducers of the
mitochondrial unfolded protein response
(UPR_{mt}) in C. elegans*

10:00 - 10:30 Coffee break

10:30 - 11:00 Cole Haynes / New York [USA]
*Propagation of toxic mtDNAs by the
UPR_{mt}*

11:00 - 11:30 Tatjana Kleine /Munich [DE]
*Organellar gene expression and retrograde
signaling*

11:30 - 11:45 Bayer Healthcare PhD Prize
(Chair: F. Schmid):
Evgenij Fiškin /Frankfurt [DE]
*Regulation of host-pathogen interactions
by the ubiquitin system*

12:00 - 13:00 Lunch break

12:00 - 13:15 Meet the Prof
(Chairs: Z. Rerop, H. von der Heide)
Guests:
Jodi Nunnari (Room Darre)
Manu Hegde (Room Tenne)

13:00 - 14:30 Poster Session III (odd numbers)

PROGRAM

11

14:30 - 17:30 Session 4 (Chair: A. Spang):
Organellar contacts and dynamics

14:30 - 15:00 Benoit Kornmann /Zurich [CH]
Mechano-induced mitochondrial fission

15:00 - 15:15 Short talk:
Andreas Reichert /Düsseldorf [DE]
*Mitophagy is dynamically regulated by
an interplay of ubiquitylation and deubi
quitylation in Saccharomyces cerevisiae*

15:15 - 15:45 Gia Voeltz /Boulder [USA]
*Unraveling the mechanism of ER-associated
organelle fission*

15:45 - 16:15 Coffee break

16:15 - 16:45 Maya Schuldiner /Rehovot [IL]
*Transversing boundaries - contact sites
between organelles*

16:45 - 17:20 Ulrike Kutay /Zurich [Switzerland]
*Taking apart the nuclear envelope during
open mitosis*

17:30 - 18:30 Eduard Buchner Prize
(Chair: B. Schwappach):
Manu Hegde /Cambridge [UK]
*Membrane protein biogenesis: from extracts
to mechanism*

Friday, March 31

PROGRAM SAT

09:00 - 12:00 Session 5 (Chair: M. Lemberg):
Organellar changes in pathology

09:00 - 09:30 Frank Madeo /Graz [Austria]
Intracellular mechanisms of aging and cell death

09:30 - 09:45 Short talk:
Tobias Stauber /Berlin [DE]
Lysosomal pathology by altered chloride transport

09:45 - 10:15 Uwe Kornak /Berlin [DE]
Human hereditary disorders due to dysfunction of the Golgi compartment

10:15 - 10:45 Coffee break

10:45 - 11:15 Elena Rugarli /Cologne [DE]
Post-transcriptional regulation of mitochondrial function

11:15 - 11:45 Jared Rutter /Salt Lake City [USA]
Functionalizing the unannotated mitochondrial proteome

12:00 - 12:20 Closing remarks
Blanche Schwappach (Scientific Organizer)
Johannes Herrmann (President of the GBM)

Poster Prizes
Jan Riemer (Scientific Organizer)

MM TURDAY

13

Saturday, April 1



Congress center „Alte Mälzerei“

PRIZE LE

Feodor Lynen Lecture

For her ground-breaking contributions to our understanding of mitochondrial behavior in intact cells, including how the structure of mitochondria is established and maintained, and how the mitochondrial genome is properly inherited the German Society for Biochemistry and Molecular Biology (GBM) honors

Jodi Nunnari

from the University of California, Davis [USA] with the Lynen Medal on

Thursday, March 30, at 7 p.m.

followed by the Lynen Lecture and the Lynen Reception for all participants of the conference.

The Lynen Lecture is named after the famous German biochemist Feodor Lynen. He had a major impact on the development of biochemistry after the Second World War. His studies were devoted to the understanding of chemical details of metabolic processes in living cells and he was very supportive and active in science politics.

His work connected chemistry, medicine and biology and he strongly promoted the connection of German scientists to colleagues in the United States, Israel, Japan and China. And Feodor Lynen has been the vice president of the GBM from 1953 – 1956.

Eduard Buchner Prize

This year the German Society for Biochemistry and Molecular Biology (GBM) will honor

Ramanujan Hegde

from the MRC Laboratory of Molecular Biology in Cambridge [UK] with this prestigious prize.

Date:

Friday, March 31, at 5:30 p.m.

Bayer HealthCare PhD Prize

For the tenth time the German Society for Biochemistry and Molecular Biology (GBM) awards the best PhD thesis of the last year. We honor

Evgenij Fiškin

from the Johann Wolfgang Goethe University Frankfurt for his outstanding research.

Date:

Friday, March 31, at 11:30 a.m.



Career Workshop

„Wie finde ich die Stelle, die zu mir passt?“

Dieses Jahr findet zum ersten Mal in Mosbach ein (deutschsprachiger) Workshop von academics.de in Kooperation mit der Junior GBM zum Thema: „Wie finde ich die Stelle, die zu mir passt?“

Inhalte:

Was ist mir beruflich und privat wichtig für mein Leben? Welche Rolle soll der Beruf spielen?

Muss ich überhaupt promovieren (kleiner Exkurs für Masterstudierende) und wie geht es nach der Promotion weiter?

Wo finde ich die notwendigen Informationen über meine nächste Stelle?

Wie erstelle ich eine gute Bewerbung? Was sind Do's and Don'ts?

Wie bereite ich mich auf das Vorstellungsgespräch vor?

Wir werden zu jedem der oben genannten Punkte in kleinen Gruppen arbeiten, und dann im Plenum unsere Ideen austauschen. Schwerpunkt des Workshops soll die Erstellung der Bewerbungsunterlage sein. Hierbei werden wir gemeinsam eine echte Bewerbung analysieren und Best Practices herausarbeiten.



Zeit/Ort:

Donnerstag, 30.3., 12:00 - 13:30

Raum: Tenne (Registrierung erforderlich)

Meet the Prof

17

The Junior GBM will organize the established event „Meet the Prof“ with distinguished speakers from science and research.

In an informal atmosphere you will get the chance to ask the questions which keep you up at night - e.g. how do I make a career in science? Did the speaker had fun on his/her scientific path and which experiences were decisive? You are welcome to join and ask further questions.

Session I (Chair: S. Roskopf)
Thursday, March 31, 12 p.m., Room Darre
Guest: Robert Ernst

Session II (Chair: Z. Rerop)
Friday, April 1, 12 p.m., Room Darre
Guest: Jodi Nunnari

Session III (Chair: H. von der Heide)
Friday, April 1, 12 p.m., Room Tenne
Guest: Manu Hegde

Since the rooms are limited in space a registration is required.

FOR YOU RESEARCH

Insights into funding opportunities for young investigators in Germany

The GBM working group „Young Investigators“ kindly invites PhD students, post-docs and young group leaders to a discussion of the current funding situation in Germany with respect to young group leaders.

A critical phase in an academic career is the step towards independence and the formation of an independent scientific research group. This transition requires appropriate funding.

YOUNG RESEARCHERS NOT ONLY SCIENCE

19

For Young Researchers

Members of the working group will inform the audience about different programs of smaller and larger funding bodies and will provide hands-on experience.

This will be followed by a Q&A session and opportunities to discuss the topics in small groups

Date:

Wednesday, March 29, 4 p.m.

Room: Tenne

PROGRAM

WELCOME RECEPTION

The Steering Committee of the German Society for Biochemistry and Molecular Biology (GBM) and the city of Mosbach invite you to a welcome reception.

Date:

Wednesday, March 29, 8 p.m.

City hall (Rathaus, Marktplatz/ Hauptstraße)

LYNEN RECEPTION

The GBM Steering Committee invites you to a reception in honor of Feodor Lynen after the Lynen Lecture.

Date:

Thursday, March 30, 8 p.m.

Alte Mälzerei

SOCIAL AM

PARTY & DANCE

The Junior GBM is organizing an informal get together with dance. For all participants!

Date:

Thursday, March 30, 10 p.m. - 1 a.m.

(after the Lynen Reception)

Alte Mälzerei, Lecture hall

GENERATION INFO

PRIOR TO THE KOLLOQUIUM

Accommodation

Accommodation can be booked through Städtisches Verkehrsamt (Tourist office). The hotel capacity is limited in Mosbach and the tourist office has the overview of the vacancies. You can use the accommodation form on meeting website.

For further questions concerning hotel reservation please contact the tourist office
(Tel. +49 6261 9188-20, tourist.info@mosbach.de).

Registration

	Fee
members* academia	260 €
non-members academia	350 €
undergraduate members*	60 €
undergraduate non-members	85 €
graduate members*	100 €
graduate non-members	125 €
retiree members*	125 €
retiree non-members	180 €

*Member of the GBM, VAAM, DGZ, Dechema, GDCh

An onsite registration is possible. Please ask for it at the registration desk during the opening hours.

JOURNEY AND ARRIVAL

Venue

Mosbach is located on the railway line (S-Bahn) Mannheim-Heidelberg-Mosbach-Osterburken, 45 kilometres east of Heidelberg.

The nearest airport is Frankfurt/Main. There are convenient train connections from Frankfurt airport station to Mannheim and from there to Mosbach.

By car:

From Frankfurt / Heidelberg: Motorway A6 exit Sinsheim - then B292 to Mosbach

From Stuttgart / Heilbronn:

A6 exit Neckarsulm - B27 to Mosbach

From Würzburg / Nürnberg:

A81 exit Osterburken, B 292 to Mosbach.

The congress center is located just above the old city centre. When arriving by car, please follow the yellow signs to parking areas P5 „Alte Mälzerei“ or P6 „Altstadt“.

Alte Maelzerei | Alte Bergsteige 7 | 74821 Mosbach

Proceedings

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

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

GENERAL INFORMATION

DURING THE KOLLOQUIUM

Conference office

	Opening hours
Wed., March 29	05.00 p.m. - 07.45 p.m.
Thu., March 30	08.00 a.m. - 04.30 p.m.
Fri., March 31	08.30 a.m. - 04.30 p.m.
Sat., April 1	08.30 a.m. - 11.00 a.m.

Telephone and Fax numbers during the Kolloquium:

Phone +49 (0) 6261 9292-78

Fax +49 (0) 6261 9292-79

Internet

There will be two wireless LAN access points in the foyer next to the registration desk.

SSID: AM

SSID: Kongress

Username: gbm

Password: gbm-2017

Key: gbm-2017

(Registration on browser)

(WPA2 encryption)

INFORMATION

Lunch & coffee breaks

Coffee, tea and mineral water will be provided for free during the coffee breaks.

Lunch is available at your own expense in the conference center or you can also visit one of the restaurants in the city of Mosbach.

POSTERS

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

Poster sessions

Thu., March 30, 1 p.m. - 2.30 p.m. - even numbers

Thu., March 30, 8 p.m. - 9.30 p.m. - all numbers

Fri., March 31, 1 p.m. - 2.30 p.m. - 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 numbers

Please see the poster list on page 30 for poster numbers.

Poster prizes

The best three posters will be awarded (with certificate and 300 €).

Furthermore FEBS Letters will provide a poster prize honored with 300 €.

The logo for FEBS Letters, with 'FEBS' in a large, bold, blue serif font and 'Letters' in a smaller, red, italicized serif font below it.

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

TIONS

INDUSTRIAL EXHIBITION

Please visit the booths of our partners!

27



analytikjena

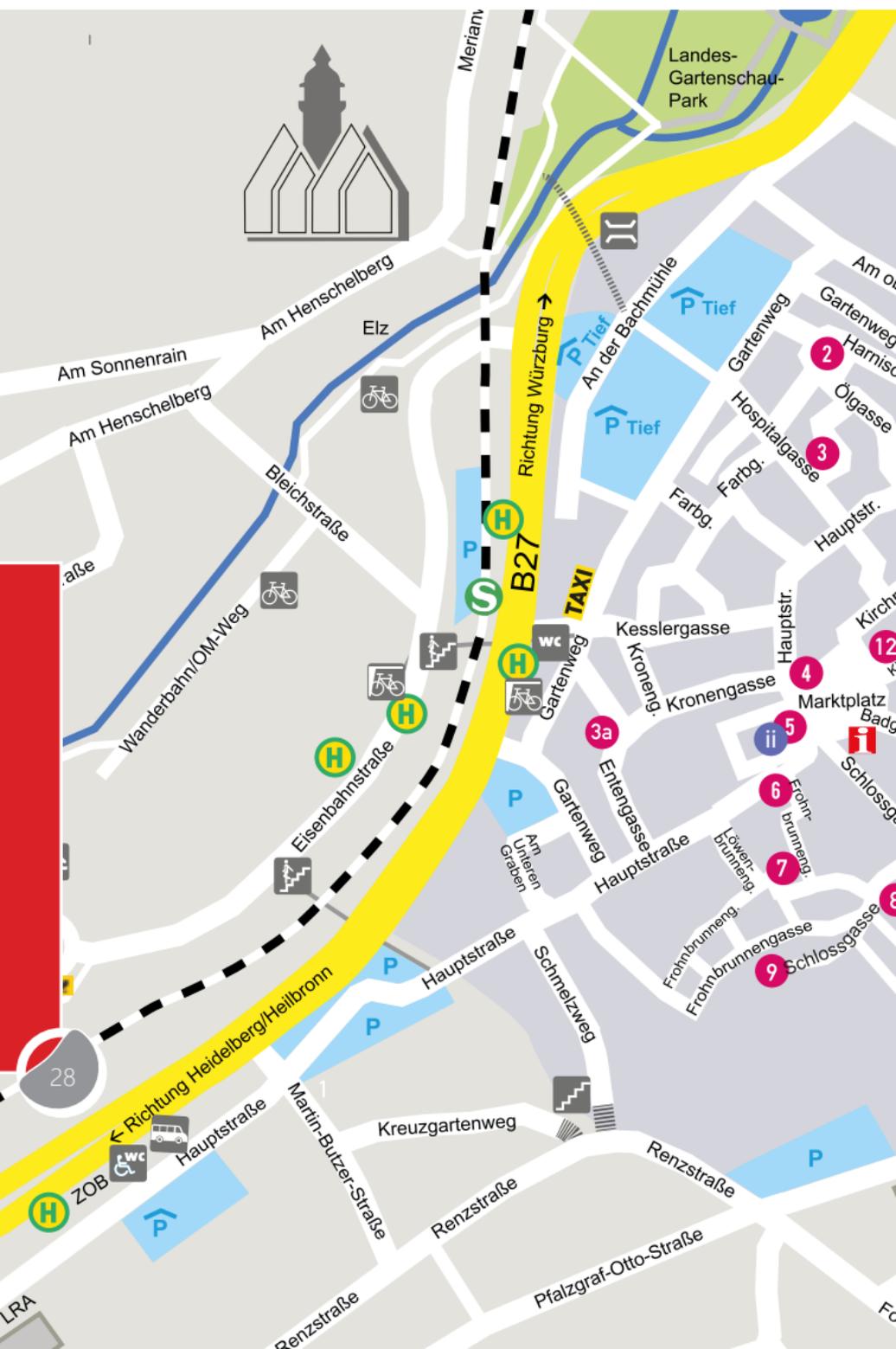
An Endress+Hauser Company



SPRINGER NATURE



CITY M



LIST OF

AUTHOR (POSTER NUMBER), TITLE

Ader, Nicholas (P - 01)
Mechanisms of Localized Mitophagy using Correlative Microscopy

Ahrens, Ann Kathrin (JGBM - 05)
Molecular characterization of the matrix protein Z of Lassa virus isolated from the first domestically acquired case in Germany

Amponsah, Prince Saforo (O - 28)
Investigating the role of H₂O₂ and thiol peroxidases in the yeast metabolic cycle

Angelin, Alessandro (O - 17)
Multiscale Origami Structures as Interfaces for Cells (MOSAIC) – A novel platform for the investigation of early cell signalling

Angerer, Heike (E - 04)
Multiple essential roles of mitochondrial fatty acid synthesis and insights into a new protein-protein interaction motif

Bechtel, Dominique F. (O - 16)
Characterisation of Iron-Sulfur Cluster Coordination by Spectroscopy

Becker, Thomas (D - 04)
Separating mitochondrial protein assembly and endoplasmic reticulum tethering by selective coupling of Mdm10

POSTERS

SORTED BY PRESENTING AUTHOR

Blinn, Catharina (O - 23)

Identification of the ligands of a novel class of [2Fe-2S] proteins via chemogenomics

Bogacz, Marta (O - 20)

Ferroptosis-like cell death in African trypanosomes

Bohnsack, Markus T. (O - 30)

Interactions and functions of the NF- κ B-repressing factor in human ribosome biogenesis

Bohnsack, Markus T. (P - 10)

NSUN3 and ABH1 modify the wobble position of mt-tRNA^{Met} to expand codon recognition in mitochondrial translation

Buntenbroich, Ira (D - 12)

Effect of oxidative stress on ubiquitin homeostasis, mitofusin post translational modifications and mitochondrial morphology

Calabrese, Gaetano (S - 03)

Glutathione and H₂O₂: a cross-talk in cytosol and matrix with two strategies to keep a reducing environment.

Callegari, Sylvie (O - 03)

TIM29 is a subunit of the human carrier translocase required for protein transport

LIST OF

AUTHOR (POSTER NUMBER), TITLE

Cenini, Giovanna (D - 06)

Analysis of Mitochondrial-ER associated Membranes (MAMs) Proteome through Quantitative Mass Spectrometry

Cichocki, Bogdan (N - 07)

Cytosolic factors involved in the biogenesis of mitochondrial tail-anchored proteins

Costello, Joe (D - 05)

The Peroxisome-ER connection: Identifying the first peroxisome-ER contact site in mammals

Delis, Vasileios (N - 04)

Loss of mitochondrial pyruvate carrier function in growing and selectively permeabilized *Schizosaccharomyces pombe* cells

Dennerlein, Sven (O - 32)

A mitochondrial ribosome nascent chain complex facilitates translational plasticity

Deponte, Marcel (E - 03)

Diversity of mitochondrial protein import

Dzinic, Tamara (P - 12)

Interaction of Alzheimer's disease A β 1-42 peptide with human neuroblastoma cells and their organelles

POSTERS

SORTED BY PRESENTING AUTHOR

Ebersoll, Samantha (O - 19)

Monitoring redox changes in African Trypanosomes by use of genetically encoded biosensors

Erdogan, Alican (P - 02)

Mutations in the accessory subunit NDUFB10 result in isolated complex I deficiency due to incomplete assembly of the complex I holoenzyme

Escobar, Mafalda (D - 13)

Cdc48 regulates a deubiquitylase cascade critical for ubiquitin homeostasis and mitochondrial fusion

Farkas, Akos (N - 05)

Studying the in-vivo client spectrum of the GET pathway via high-throughput screens in *S. cerevisiae*

Finger, Yannik (N - 03)

HsAK2 is a substrate of CHCHD4

Fuchs, Philippe (O - 18)

Re-modelling plant mitochondrial respiration during drought

Gomes Barata, Ana (S - 06)

A cytosolic peroxiredoxin links mitochondrial H₂O₂ emissions to stress kinase signaling

Grevel, Alexander (JGBM - 03)

The role of phospholipids for mitochondrial protein import

LIST OF

AUTHOR (POSTER NUMBER), TITLE

Grevel, Alexander (O - 11)
The role of phospholipids for mitochondrial protein import

Habich, Markus (O - 12)
Cytosolic processes during import of IMS proteins

Hansen, Katja (N - 01)
The J protein Djp1 is involved in the targeting of mitochondrial precursor proteins

Harbauer, Angelika B. (P - 03)
PINK1 mRNA is transported with mitochondria to facilitate mitophagy in axons

Herbring, Valentina (O - 14)
The dual inhibition of the TAP complex by the herpesviral inhibitor ICP47

Hess, Steffen (O - 33)
Internal presequences in mitochondrial proteins and their role during import into mitochondria

Hoehne, Michaela (S - 04)
Dynamics of H₂O₂ in mammalian mitochondria

Hofhuis, Julia (P - 04)
The T-tubule system – physiology and pathophysiology of a neglected organelle

POSTERS

SORTED BY PRESENTING AUTHOR

Hüther, Julian (JGBM - 02)

Henipavirus glycoproteins induce the unfolded protein response

Ince, Semra (O - 34)

The dual role of hGBP1's C-terminus - switchable membrane anchor and regulator of the second GTP hydrolysis step

Joshi, Arundhati (O - 06)

Uptake and toxicity of copper oxide nanoparticles in C6 glioma cells

Kaether, Christoph (D - 02)

Insights into transport mechanisms in the secretory pathway using the secretion inhibitor FLI-06

Kalel, Vishal (O - 29)

Evolutionary divergent organelles provide novel anti-parasite drug targets

Khandpur, Gurleen Kaur (O - 10)

The respiratory chain regulates cell growth in response to changing amino acid availability

Koch, Daniel (O - 09)

A pull-down procedure for the identification of unknown GEFs for small GTPases

LIST OF

AUTHOR (POSTER NUMBER), TITLE

Kolli, Renuka (O - 02)

Role of the plant Oxa proteins in mitochondrial biogenesis

Kownatzki, Daniel (D - 10)

Phospholamban targeted proximity labeling for proteomic mapping of sarco/endoplasmic reticulum subdomains

Kozjak-Pavlovic, Vera (P - 07)

Mitochondrial dynamics during the infection with intracellular pathogens

Kreimendahl, Sebastian (P - 08)

Mimivirus-encoded nucleotide carrier VMC1: Import into the inner mitochondrial membrane

Kutsch, Miriam (O - 35)

Prenylation-type of hGBP-1 influences membrane binding but not polymerization

Lis, Natalia (O - 24)

Viral inhibition of trafficking of the innate immune response protein, RAE-1

Maniak, Markus (D - 01)

Proteins that shift from the endoplasmic reticulum to lipid droplets

POSTERS

SORTED BY PRESENTING AUTHOR

Mazurova, Martina (O - 25)

Quality control during mitochondrial inheritance in budding yeast

Metzendorf, Christoph (O - 31)

Establishment of an in vivo and cell-specific method for the identification of palmitoyltransferase-interacting proteins in Drosophila using BioID

Meurer, Jörg (E - 02)

A Novel Repeated Motif of Cyanobacterial Origin Is Required for Plastid mRNA Stabilisation

Milosevic, Ira (P - 11)

Clathrin coat controls vesicle acidification by mechanical inhibition of vacuolar ATPase

Morgenstern, Marcel (N - 06)

Deep characterization of the yeast mitochondrial proteome

Mulica, Patrycja (P - 13)

MIPEP/OCT1 recessive variants cause a syndrome of left-ventricular non-compaction resulting in infantile death

Müller, Tobias (O - 07)

Overlapping Role of Rcf-Proteins in the regulation of Respiratory supercomplexes

LIST OF

AUTHOR (POSTER NUMBER), TITLE

Murschall, Lena (N - 02)

Disulfide bond formation in chloroplasts

Nickel, Walter (O - 01)

Minimal Machinery Required for Unconventional Secretion of Fibroblast Growth Factor 2

Niemann, Moritz (O - 13)

tRNAs and proteins use the same import channel for translocation across the mitochondrial outer membrane of trypanosomes

Olzscha, Heidi (O - 21)

Nuclear bromodomains regulate amyloid-like protein aggregation upon aberrant lysine acetylation

Patil, Manali (E - 06)

Chloroplast development: Role of MV-1 and MV2 proteins

Pause, Arnim (S - 09)

Haploinsufficient loss of Endosomal Sorting Complex Required for Transport (ESCRT) components as new drivers of cancer

Peters, Florian (JGBM - 04)

Role of astacin-like proteinases in wound healing and scarring with regard to collagen VII maturation

POSTERS

SORTED BY PRESENTING AUTHOR

Pfisterer, Simon (D - 11)

Role for formin-like 1-dependent acto-myosin assembly in lipid droplet dynamics and lipid storage

Poveda Huertes, Daniel (S - 07)

Protein transport across and into the mitochondrial outer membrane: Regulation by phosphorylation

Raimundo, Nuno (S - 05)

Mitochondria-lysosome crosstalk is a key pathological mechanism relaying mitochondrial and lysosomal stress

Ramnarayan, Venkat Raman (O - 15)

The murine cytomegalovirus immunoevasin m152/gp40 uses the p24 family of transmembrane proteins to retain MHC class I molecules in the early secretory pathway

Rampelt, Heike (D - 09)

Crosstalk between MICOS and the ATP synthase

Ramundo, Silvia (S - 08)

Exploring MARS, a collection of Mutants Affecting chloroplast-to-nucleus Retrograde Signaling

Rastedt, Wiebke (O - 08)

Synthesis of fluorescent iron oxide nanoparticles for cellular uptake studies

LIST OF

AUTHOR (POSTER NUMBER), TITLE

Richter, Klaus (O - 36)

Coupling of protein kinase maturation to the interaction dynamics of chaperone complexes

Roskopf, Sabine (JGBM - 01)

Morphogenesis of the stalked budding bacterium *Hyphomonas neptunium*

Saladi, Sreedivya (P - 06)

Unraveling the role of p1, a yeast AMID homolog, as a key regulator of apoptosis in *Saccharomyces cerevisiae*

Sanwald, Julia (O - 04)

Characterization of extracellular vesicles purified from HIV-1 Nef overexpressing HEK293 cell supernatants

Särchen, Vinzenz (O - 22)

Analysis of S-palmitoylation in U937 cells

Schlagowski, Anna (P - 05)

Cytosolic protein aggregates interfere with the biogenesis of mitochondria

Schneider, Dirk (D - 03)

A membrane fusion protein inside chloroplasts and cyanobacteria

POSTERS

SORTED BY PRESENTING AUTHOR

41

Schneider, Monika (O - 27)

The diversity of iron-sulfur cluster containing dehydratases

Schultz, Julia (D - 07)

Overexpression of Mid51 leads to alteration of mitochondrial morphology and impairment of glucose-stimulated insulin secretion in Beta cells

Schwenkert, Serena (E - 01)

Phosphorylation in mitochondrial import

Schwichtenberg, Jan (P - 09)

TOM complex-mediated mitochondrial import of *Helicobacter pylori* VacA toxin causes loss of mitochondrial membrane potential

Sjuts, Inga (E - 07)

Tic110: still the main channel of protein translocation into chloroplasts

Steinmeier, Johann (O - 05)

Menadione Reduction in Cultured Brain Astrocytes is Mediated by the Cytosolic NAD(P)H: Quinone Acceptor Oxidoreductase 1 (NQO1)

Stenger, Maria (O - 26)

Mitochondrial genome maintenance and inheritance in yeast

LIST OF

AUTHOR (POSTER NUMBER), TITLE

Wagner, Stephan (S - 02)

Mitochondrial calcium in plants

Warscheid, Bettina (E - 05)

Charting the Mitochondrial Importome

Wollweber, Florian (D - 08)

Regulation of MICOS activity during mitochondrial cristae remodelling

Zingler, Philipp (S - 01)

Subcellular compartmentalization of TNF receptor-1 (TNF-R1) signaling determines the biological fate of the cell

POSTERS

43

List of Posters

NOT

TIES

Molecular Basis of Life

International Conference of the German Society
for Biochemistry and Molecular Biology

confirmed speakers

Marcus Bantscheff /Heidelberg [DE]
Benedikt Beckmann /Berlin [DE]
Florence Besse /Nice [FR]
Karsten Boldt /Tübingen [DE]
Stan J.J. Brouns /Wageningen [NL]
Cristina Cardoso /Darmstadt [DE]
Andrew Carter /Cambridge [UK]
Emmanuelle Charpentier /Berlin [DE]
Jason William Chin /Cambridge [UK]
Pietro De Camilli /New Haven [USA]
Stefanie Dimmeler /Frankfurt [DE]
José Antonio Enríquez /Madrid [ES]
Beat Fierz /Lausanne [CH]
Petra Fromme /Tempe AZ [US]
Simone Fulda /Frankfurt [DE]
Vicki Gold /Frankfurt [DE]
Martin Graef /Köln [DE]
Franz Hagn /Garching [DE]
Guy Hanke /London [UK]
Hanns Hatt /Bochum [DE]
Albert J.R. Heck /Utrecht [NL]
Peter Hegemann /Berlin [DE]
Joseph Heitman /Durham [US]
Ivan Huc /Pessac [FR]
Thorsten Hugel /Freiburg [DE]
Martin Jinek /Zürich [CH]
Michael Kiebler /Martinsried [DE]
David Komander /Cambridge [UK]
Roswitha Krick /Göttingen [DE]
Werner Kühlbrandt /Frankfurt [DE]

Nick Lane /London [GB]
Edward Lemke /Heidelberg [D]
Ioannis Manolaridis /Zürich [C]
David Margulies /Rehovot [IL]
Veronica G. Maurino /Düsseldorf
Gero Miesenböck /Oxford [UK]
Bruce Morgan /Kaiserslautern
Kim Nasmyth /Oxford [UK]
Klaus Pantel /Hamburg [DE]
Linda Partridge /Köln [DE]
Sophie Pattingre /Montpellier
Arwen Pearson /Hamburg [DE]
Harald Platta /Bochum [DE]
Celso Albuquerque Reis /Porto
Carol Robinson /Oxford [UK]
Barbara Saccà /Essen [DE]
Patrick Scheerer /Berlin [DE]
Carsten Schmuck /Essen [DE]
Sebastian Schuck /Heidelberg
Maya Schuldiner /Rehovot [IL]
Markus Schwarzländer /Bonn
Petra Schweinhardt /Montreal
Camilla Svensson /Stockholm
Nektarios Tavernarakis /Heraklion
Alesia Tietze /Darmstadt [DE]
Martin van der Laan /Homburg
Sandra van Vliet /Amsterdam
Konstanze F. Winklhofer /Bochum
Thomas Wollert /Martinsried [D]
Hanns Ulrich Zeilhofer /Zürich

www.molecular-basis-of-life.org



Molecular
Basis of Life

september 24 - 27, 2017
ruhr university bochum

deadlines

Early registration: May 31, 2017
Abstract submission: June 30, 2017

topics

Chromatin and gene expression
Subcellular organization
Cell signaling and membrane trafficking
Molecular machines
Molecular mechanisms of disease and therapies
Emerging methods

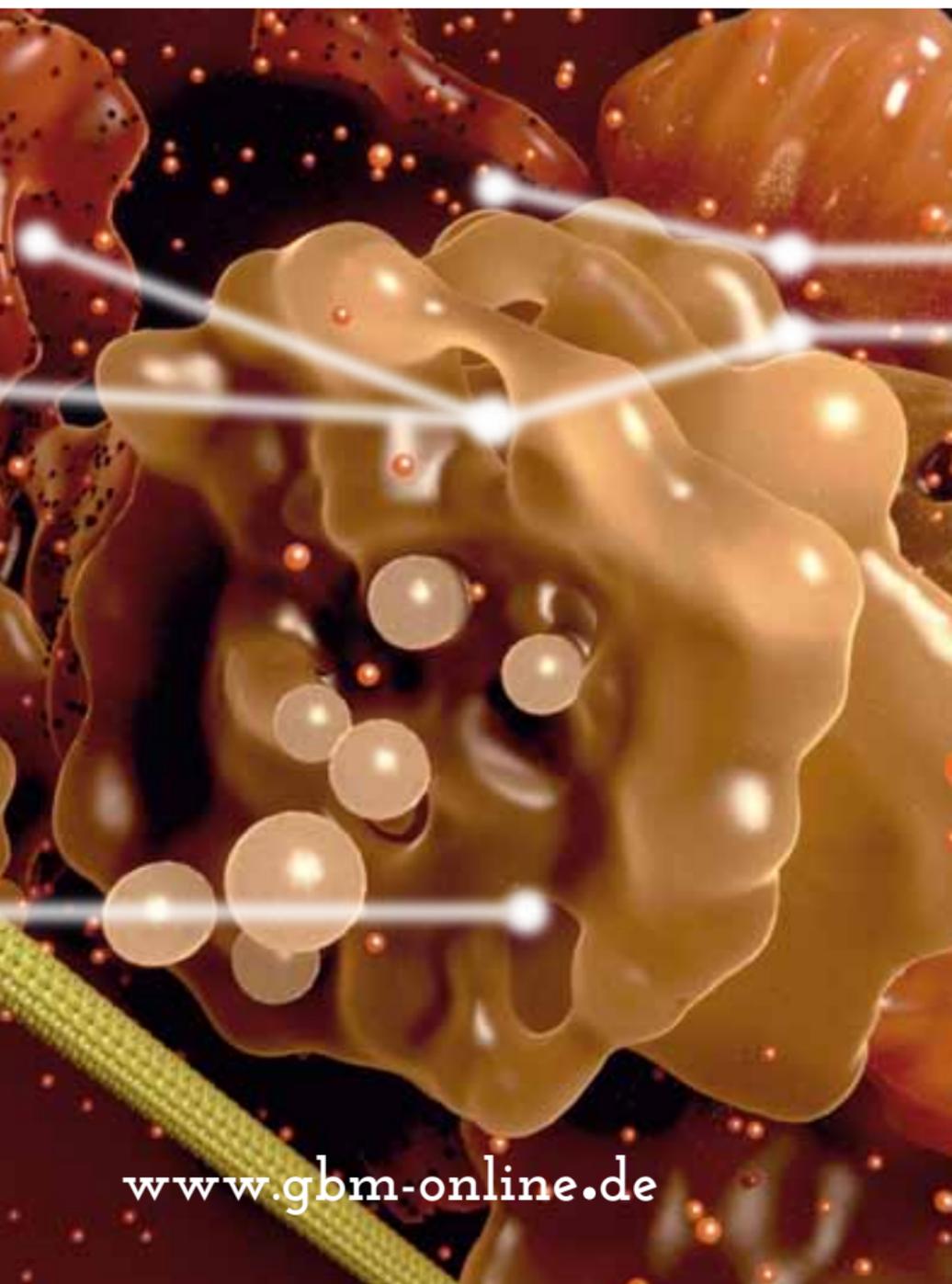


a congress of the
German Society for
Biochemistry and
Molecular Biology

in collaboration with



org



www.gbm-online.de