

GBM / DGZ Fall Conference
Tübingen, September 25-27, 2019
<https://herbsttagung.gbm-online.de/>

Venues:

Eberhard Karls University Tübingen
Audimax (Neue Aula)
Geschwister-Scholl-Platz
72074 Tübingen

Museum Tübingen
("Obere Säle")
Wilhelmstr. 3
72074 Tübingen

All lectures will be held in the "Neue Aula" (Audimax) of the university.

The registration and information desk is located in the museum. The poster exhibition and the networking event on Thursday evening also take place there.

SCIENTIFIC PROGRAM

Tuesday, September 24, 2019

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| 17:00 - 18:00 | Scientific Outreach: Welcome reception |
| 18:00 – 18:10 | Scientific Outreach: Opening words (in German)
Tassula Proikas-Cezanne (Tuebingen, Germany)
Scientific Conference Organizer |
| 18:10 – 18:20 | Scientific Outreach: Welcome address (Grußwort, in German)
Boris Palmer (Tuebingen, Germany)
Lord Mayor of Tuebingen |
| 18:20 – 19:00 | Scientific Outreach: Public Lecture (in German)
Frank Madeo (Graz, Austria): Ernährung und Gesundheit |
| 19:00 - 20:00 | Scientific Outreach: Podiumsdiskussion (in German)
Autophagie und ihre Bedeutung für Gesundheit und Neurodegeneration |

Wednesday, September 25, 2019

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| 10:00 | Start Registration |
| 14:00 - 14:20 | Opening |
| 14:00 – 14:10 | Welcoming remarks from the Scientific Organizer:
Tassula Proikas-Cezanne (Tuebingen, Germany) |
| 14:10 – 14:15 | Welcoming remarks from the GBM President:
Annette Beck-Sickinger (Leipzig, Germany) |
| 14:15 – 14:20 | Welcoming remarks from the DGZ President:
Oliver Gruss (Bonn, Germany) |
| 14:20 - 17:00 | Session I: Autophagy
Chair: Christian Behrends (Munich, Germany) |
| 14:20 - 15:20 | Keynote Lecture
Sharon Tooze (London, UK): Early events in autophagosome formation |
| 15:20 - 15:45 | Lecture:
Daniel Klionsky (Ann Arbor, USA): The regulation of autophagy in yeast |
| 15:45 - 15:55 | Short talk:
Lena Munzel (Goettingen, Germany): The molecular function of Atg21 in |

autophagosome biogenesis

15:55 - 16:25 Coffee Break

16:25 - 16:35 Short talk:
Sebastian Schuck (Heidelberg, Germany): ESCRT machinery mediates selective microautophagy of endoplasmic reticulum

16:35 - 17:00 Lecture:
Ivan Dikic (Frankfurt, Germany): ER-phagy: from molecular principles to pathogenesis of human diseases

17:00 - 18:00 Fritz Lipmann Lecture

Marino Zerial (Dresden, Germany): Self-organization and biomechanical properties of the endosomal membrane

18:00 - 21:00 Poster Session I with Pretzels and Beer

Thursday, September 26, 2019

08:30 - 09:40 Session II: Autophagy

08:30 - 08:55 Lecture:
Eeva-Liisa Eskelinen (Turku, Finland): Membrane dynamics in mammalian macroautophagy

08:55 - 09:20 Lecture:
Frank Madeo (Graz, Austria): Fasting regimes and caloric restriction mimetics for healthspan extension

09:20 - 09:45 Lecture:
Nicholas Ktistakis (Cambridge, UK): Dynamics of selective and non-selective autophagy: the early steps

09:45 - 09:55 Otto Meyerhof Prize

Kathrin Lang (Garching, Germany): Expanding the genetic code - protein chemistry in living systems

09:55 - 10:05 BINDER Innovation Prize

Meritxell Huch (Cambridge, UK / Dresden, Germany): Liver organoids for the study of liver biology and disease

10:05 - 10:35 Coffee Break

10:35 - 11:55 Session III: Infection

10:35 - 11:00 Lecture:
Maria Isabel Colombo (Mendoza, Argentina): A novel signaling pathway involved in the autophagic response to *Staphylococcus aureus* infection

11:00 - 11:10 Short talk:
Anna Riebis (Braunschweig, Germany): A battle for survival – the interplay between autophagy and *S. aureus* infection

11:10 - 11:35 Lecture:
Fulvio Reggiori (Groningen, The Netherlands): Unconventional functions of ATG proteins in viral infections

11:35 – 11:45 Highlight Compartmentalisation:

Roland Knorr (Potsdam, Germany / Tokyo, Japan): Phase-separated compartments function as scaffolds for autophagosome formation and as selective cargoes

11:45 - 11:55 Highlight Lipid Biology:
Taki Nishimura (London, UK): Osh Proteins Control Nanoscale Lipid Organization Necessary for PI(4,5)P₂ Synthesis

12:00 - 14:00 Lunch Break

12:30 – 14:00 DGZ membership info

14:00 - 15:00 Otto Warburg Medal sponsored by Elsevier/BBA

Marina Rodnina (Goettingen, Germany): Translational Recoding

15:00 - 15:10 Flash Talk Industry

Carl Zeiss Microscopy GmbH

Hubert Bauch (Oberkochen, Germany): How to improve sensitivity, speed and resolution in a confocal Laser-Scanning Microscope

15:10 - 15:20 Flash Talk Publishing

Cells, MDPI

Christian Behl (Mainz, Germany): Cells: a peer-reviewed open access journal with a focus on autophagy

15:20 - 17:25 Session IV: Neurodegeneration

Chair: Konstanze Winklhofer (Bochum, Germany)

15:20 - 15:45 Lecture:
David Rubinsztein (Cambridge, UK): Autophagy and neurodegeneration

15:45 - 15:55 Short talk:
Robin Ketteler (London, UK): Development of a human neuronal cell model of Beta-Propeller Protein-Associated Neurodegeneration (BPAN) as a drug screening platform

15:55 - 16:25 Coffee Break

16:25 - 16:35 Short talk:
Matthis Synofzik (Tuebingen, Germany): A novel deep-intronic WDR45 mutation causes impaired selective autophagy in BPAN

16:35 - 17:00 Lecture:
Heinz Jungbluth (London, UK): Congenital disorders of autophagy – a novel class of neurometabolic disorders linking neurodevelopment and neurodegeneration

17:00 - 17:25 Lecture:
Richard Youle (Bethesda, USA): How the kinase PINK1 activates the ubiquitin ligase Parkin to mediate autophagy of mitochondria and impact Parkinson's disease

17:25 - 17:35 Nikon Young Scientist Award

Germán Camargo Ortega (Zurich, Switzerland / Munich, Germany): Centrosome and microtubule dynamics regulate the balance of stem cell self-renewal and differentiation

17:35 - 17:45 Karl Lohmann Prize

Lucas Farnung (Goettingen, Germany): Structural biology of nucleosome passage

17:45 - 17:55 GBM PhD Award

Alexander Schubert (San Francisco, USA): Mechanism of PINK1-mediated ubiquitin

phosphorylation

18:00 - 21:00 Reception with Poster Session II

21:00 - 24:00 Networking

Friday, September 27, 2019

08:30 - 09:50 Session V: Ageing

Chair: Tobias Stauber (Berlin, Germany)

08:30 - 08:55 Lecture:
Patricia Boya (Madrid, Spain): Autophagy during aging and age-related diseases

08:55 - 09:05 Short talk:
Evandro Fang (Oslo, Norway): Mitophagy inhibits amyloid- β and tau pathology and reverses cognitive deficits in models of Alzheimer's disease

09:05 - 09:15 Short talk:
Heinz Osiewacz (Frankfurt, Germany): Impact of sorting nexin PaATG24 on autophagy, aging and development

09:15 - 09:25 Short talk:
Jon Lane (Bristol, UK): LIR-dependent LMX1B autophagy crosstalk shapes dopaminergic neuronal resilience in Parkinson's

09:25 - 09:50 Lecture:
Anne Bertolotti (Cambridge, UK): Selective inhibition of phosphatases to boost protein quality control: A possible treatment for degenerative diseases

09:50 - 10:00 Walther Flemming Award

Constantinos Demetriades (Cologne, Germany): The TSC/mTOR signaling axis in nutrient sensing and the cellular stress response

10:00 - 10:10 Werner Risau Prize

Esther Bovay (Muenster, Germany): Multiple roles of lymphatic vessels in peripheral lymph node development

10:10 - 10:40 Coffee Break

10:40 - 12:15 Session VI: Immunology

10:40 - 11:05 Lecture:
Gillian Griffiths (Cambridge, UK): Autophagic pathways in killer cells

11:05 - 11:15 Short talk:
Marina Jendrach (Berlin, Germany): Regulation of neuroinflammation by autophagy

11:15 - 11:40 Lecture:
Marcus Groettrup (Konstanz, Germany): The cytokine-inducible ubiquitin-like modifier FAT10 in proteasomal degradation and autophagy

11:40 - 11:50 Last Minute Excitement:
Franziska Eck (Munich, Germany): Exploring novel functions of endogenous GABARAPL2

12:00 - 14:00 Lunch Break

14:00 - 15:10 Session VII: Cancer

14:00 - 14:25	Lecture: Marja Jäättelä (Copenhagen, Denmark): Lysosomal leakage - more than a cell suicide mechanism
14:25 - 14:35	Short talk: Silvia Vega Rubin de Celis (Essen, Germany): Breast tumorigenesis regulation by autophagy and HER2
14:35 - 14:45	Short talk: Mario Tschan (Bern, Switzerland): ALK-targeted therapy triggers protective autophagy in EML4-ALK positive lung cancer cells
14:45 - 15:10	Lecture: Kevin Ryan (Glasgow, UK): Autophagy and cell metabolism in cancer
15:10 - 16:10	Carl Zeiss Lecture
	Anthony Hyman (Dresden, Germany): Phase separation in cell biology and disease
16:10 – 16:20	Best conference poster award presentation by: Johannes Herrmann (Kaiserslautern, Germany) GBM Vice President
16:20 – 16:30	Closing remarks: Tassula Proikas-Cezanne (Tuebingen, Germany) Scientific Organizer
16:30	End of conference

For details, please visit <https://herbsttagung.gbm-online.de/program.html> which will be regularly updated.