

FEBS Special Meeting - The 2018 Golgi meeting: Membrane trafficking in cell organization and homeostasis

Monday, 2018/10/15

17:00 - 17:15 Auditorium
Introduction Introduction

17:00 - 17:15 **Welcome and introduction by the organizers**
Daniela Corda

17:15 - 18:45 Auditorium
Plenary Lectures Plenary Lecture
Chair: Daniela Corda (IT)

17:15 - 18:00 **EMBO Lecture: Recent insights into the mechanism of synchronous neurotransmitter release**
James Rothman

18:00 - 18:45 **IUBMB Lecture: RNA-binding proteins and RNA sorting into exosomal vesicles secreted by cultured human cells**
Randy Schekman

19:00 - 21:00 Cafeteria
Welcome drinks and Dinner Networking

19:00 - 20:00 **Wine and Cheese**

20:00 - 21:00 **Dinner**

Tuesday, 2018/10/16

09:00 - 13:00 Auditorium
Session 1: Autoregulation Lectures
Chair: Antonella De Matteis (IT)

09:00 - 09:30 **Auto-regulatory systems that monitor and manage the biosynthetic transport pathways**
Alberto Luini

09:30 - 10:00 **Subcellular organization of GPCR signaling**
Mark von Zastrow

10:00 - 10:15 **A Rho signaling network links microtubules to PKD controlled carrier transport to focal adhesions**
Angelika Hausser (selected short talk)

10:15 - 10:30 **How developmental and cargo--driven cues sculpt and tailor the secretory pathway**
Eelco Van Anken (selected short talk)

10:30 - 11:00 **Coffee break/poster display**

11:00 - 11:15 **Autoregulation of secretion by an ER-resident receptor tyrosine kinase**
Hesso Farhan (selected short talk)

11:15 - 11:30 **The regulation of mTOR signalling and autophagy by the Golgi apparatus**
Paul Gleeson (selected short talk)

11:30 - 11:45 **Deconstructing the Golgi localization of a G protein alpha subunit**
Gonzalo P. Solis (selected short talk)

11:45 - 12:00 **pH and zinc regulate ERp44 dependent protein quality control in the early secretory pathway**
Tiziana Anelli (selected short talk)

12:00 - 12:30 **Flash poster presentation**

13:00 - 14:45 Cafeteria
Lunch Networking

FEBS Special Meeting - The 2018 Golgi meeting: Membrane trafficking in cell organization and homeostasis

14:45 - 15:00 Auditorium
Presentation by sponsors

Lectures

14:45 - 15:00 **Introduction to FEBS Activities**
Stefana Petrescu

15:00 - 18:30 Auditorium
Session 2: Interorganelle Signalling
Chair: Alberto Luini (IT)

Lectures

15:00 - 15:30 **How the lysosome tells the nucleus what to do**
Andrea Ballabio

15:30 - 16:00 **Intracellular PARPs-mediated signaling regulating membrane traffic**
Daniela Corda

16:00 - 16:30 **How Sec16 and PARP16 mediate the response of the early secretory pathway to nutrient stress.**
Catherine Rabouille

16:30 - 17:00 **Coffee break/poster display**

17:00 - 17:15 **The Proteoglycan pathway – a novel pathway of the Golgi stress response**
Hiderou Yoshida (selected short talk)

17:15 - 17:30 **Golgi hub in copper metabolism: at the crossroad of membrane trafficking, ion transport and quality control pathways**
Roman Polishchuk (selected short talk)

17:30 - 17:45 **Mitotic inheritance of the Golgi complex and its role in cell division**
Antonino Colanzi (selected short talk)

17:45 - 18:00 **Calcium levels in the Golgi complex regulate clustering and apical sorting of GPI-APs in epithelia**
Stephanie Lebreton (selected short talk)

18:00 - 18:30 **Flash poster presentation**

18:30 - 20:00 Poster Hall
Poster Session I

Poster Sessions

Wednesday, 2018/10/17

09:00 - 13:00 Auditorium
Session 3: Lipid transport & metabolism I
Chair: Antonino Colanzi (IT)

Lectures

09:00 - 09:30 **ER-Golgi contact sites**
Antonella De Matteis

09:30 - 10:00 **Nonvesicular comings and goings of lipids in the Golgi**
Kentaro Hanada

10:00 - 10:30 **The OSBP cycle at the Golgi**
Bruno Antonny

10:30 - 11:00 **Coffee break/poster display**

11:00 - 11:30 **Integrating endo- and exocytic lipid trafficking**
Elina Ikonen

11:00 - 11:30 **A network of lipid-transfer proteins at the crossroads between metabolism and signaling**
Anne-Claude Gavin

12:00 - 12:30 **The role of membrane contact sites between the ER and endocytic pathway in the regulation of EGF receptor traffic and cholesterol transport**
Clare Futter

FEBS Special Meeting - The 2018 Golgi meeting: Membrane trafficking in cell organization and homeostasis

12:30 - 12:45	A novel contact by a novel protein complex supports cholesterol transport from the recycling endosome to the trans-Golgi network. Akihiro Harada (selected short talk)	
13:00 - 14:45	Cafeteria Lunch	Networking
14:45 - 15:00	Auditorium Presentation by sponsors Chair: Roman Polishchuk (RU)	Lectures
14:45 - 15:00	Enhanced Contrast by Focal Charge Compensation in Serial Block Face Imaging - better contrast for visualization of cellular organelles" Joerg Lindenau	
15:00 - 17:00	Auditorium Session 4: Lipid transport & metabolism II Chair: Roman Polishchuk (IT)	Lectures
15:00 - 15:30	Sphingolipid metabolism and functions dependent upon subcellular localization Howard Riezman	
15:30 - 16:00	Regulation of acyl-ceramide metabolism and role in disease Lina Obeid	
16:00 - 16:30	Changing Plasma Membrane - The dynamic role of the Golgi-localized sphingolipid processing machinery in cell fate determination Giovanni D'Angelo	
16:30 - 17:00	Coffee break/poster display	
17:00 - 18:30	Auditorium Session 5: Coupling cargo transport and processing I Chair: Seetharaman Parashuraman (IT)	Lectures
17:00 - 17:30	Regulation of Signaling by Golgi Glycosylation Pamela Stanley	
17:30 - 18:00	Metabolism and adaption at the cell surface through Golgi Nglycan processing James Dennis	
18:00 - 18:15	S-Palmitoylation Sorts Membrane Cargo for Anterograde Transport in the Golgi Andreas Ernst (selected short talk)	
18:15 - 18:30	Specific targeting of CCR5 transport to the cell surface led to identification of three molecules inhibiting HIV infection Gaelle Boncompain (selected short talk)	
18:30 - 20:00	Poster Hall Poster Session II	Poster Sessions

FEBS Special Meeting - The 2018 Golgi meeting: Membrane trafficking in cell organization and homeostasis

Thursday, 2018/10/18

09:00 - 13:00 Auditorium

Session 6: Coupling cargo transport and processing II

Lectures

Chair: Marino Zerial (DE)

- 09:00 - 09:30 **Algorithmic biosynthesis of glycans in Golgi compartments**
Mukund Thattai
- 09:30 - 10:00 **Dissection of biosynthesis and function of Golgi glycosylation by glycoengineered isogenic cells**
Henrik Clausen
- 10:00 - 10:15 **Organization of the Golgi apparatus determines the glycan output**
Seetharaman Parashuraman (selected short talk)
- 10:15 - 10:30 **The role of ubiquitination and de-ubiquitination in the retention of yeast Golgi-resident glycosyltransferases**
Peng Wang (selected short talk)
- 10:30 - 11:00 **Coffee break/poster display**
- 11:00 - 11:30 **Regulation of Protein Glycosylation via Membrane Traffic**
Frederic Bard
- 11:30 - 12:00 **Cargo sorting during protein secretion**
Julia von Blume
- 12:00 - 12:30 **Molecular mechanism of BARS-mediated membrane fission**
Carmen Valente
- 12:30 - 12:45 **Coupling fission and exit of RAB6 vesicles at Golgi hotspots through kinesin-myosin interactions**
Stéphanie Miserey-Lenkei (selected short talk)

13:00 - 15:00 Cafeteria

Lunch

Networking

15:00 - 18:30 Auditorium

Session 7: Organelle dynamics I

Lectures

Chair: Carmen Valente (IT)

- 15:00 - 15:30 **Dynamics and conversion of the endosomal network**
Marino Zerial
- 15:30 - 16:00 **Spatiotemporal dissection of sorting and maturation events in and around the Golgi by high-speed super-resolution live imaging**
Akihiko Nakano
- 16:00 - 16:15 **COPII is a gatekeeper that selects and concentrates transport competent cargo in endoplasmic reticulum exit sites**
Koret Hirschberg (selected short talk)
- 16:15 - 16:30 **Characterizing the Secretory Pathway with Cryo-Correlative Light and Electron Microscopy at High Resolution**
Aubrey Weigel (selected short talk)
- 16:30 - 17:00 **Coffee break/poster display**
- 17:00 - 17:30 **Role of AP-4 in cargo export from the TGN**
Juan Bonifacino
- 17:30 - 18:00 **Kinetic Mapping of Golgi Organization**
Benjamin Glick

FEBS Special Meeting - The 2018 Golgi meeting: Membrane trafficking in cell organization and homeostasis

19:00 - 21:00 Cafeteria
Social Dinner

Networking

19:00 - 21:00 **Social Dinner and poster prize**

Friday, 2018/10/19

09:00 - 12:00 Auditorium

Session 8: Organelle dynamics II

Chair: Giovanni D'Angelo (CH)

Lectures

09:00 - 09:30 **Golgins and the capture of Golgi-associated vesicles**

Sean Munro

09:30 - 10:00 **Investigation of COG complex-dependent and independent trafficking of Golgi enzymes**

Vladimir Lupashin

10:00 - 10:30 **Regulation of Golgi cisternal maturation by Ypt/Rab GTPases and their GEFs**

Nava Segev

10:30 - 11:00 **Coffee break/poster display**

11:00 - 11:15 **Recycling of cis Golgi Glycosyltransferases Requires Direct Binding to Coatamer**

Lin Liu (selected short talk)

11:15 - 11:30 **Novel Rab Effectors CGAP1 and CGAP2 Package Glycosyltransferases into Recycling Intra-Golgi Vesicles**

Lawrence Welch (selected short talk)

11:30 - 11:45 **GORAB facilitates COPI trafficking for Golgi homeostasis**

Martin Lowe (selected short talk)

11:45 - 12:00 **Retrograde cargo programs Arf1p activation for COPI coat selection**

Manuel Muñiz (selected short talk)

12:00 - 12:45 Auditorium

Plenary Lecture

Plenary Lecture

12:00 - 12:45 **Intracellular Membrane Contact Sites and Lipid Dynamics**

Pietro De Camilli

13:00 - 15:00 Cafeteria

Lunch

Networking