

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

## Monday, 2018/10/15

### Auditorium

17:00 - 17:15 Introduction

Introduction

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

17:15 - 18:45 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

### Cafeteria

19:00 - 21:00 Welcome drinks and Dinner

Networking

19:00 - 20:00 **Wine and Cheese**  
20:00 - 21:00 **Dinner**

## Tuesday, 2018/10/16

### Auditorium

09:00 - 13:00 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**

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

14:45 - 15:00 Presentation by sponsors

Lectures

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

15:00 - 18:30 Session 2: Interorganelle Signalling

Lectures

**Chair:** Alberto Luini (IT)

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**

## Poster Hall

18:30 - 20:00 Poster Session I

Poster Sessions

## Cafeteria

13:00 - 14:45 Lunch

Networking

## Wednesday, 2018/10/17

### Auditorium

09:00 - 13:00 Session 3: Lipid transport & metabolism I

Lectures

**Chair:** Antonino Colanzi (IT)

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

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- 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
- 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)

14:45 - 15:00 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 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 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)

## Poster Hall

18:30 - 20:00 Poster Session II

Poster Sessions

## Cafeteria

13:00 - 14:45 Lunch

Networking

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Thursday, 2018/10/18

## Auditorium

09:00 - 13:00 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)

15:00 - 18:30 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

## Cafeteria

13:00 - 15:00 Lunch

Networking

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

19:00 - 21:00 Social Dinner

Networking

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

## Friday, 2018/10/19

### Auditorium

09:00 - 12:00 Session 8: Organelle dynamics II

Lectures

**Chair:** Giovanni D'Angelo (CH)

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 Coatomer**

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 Plenary Lecture

Plenary Lecture

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

Pietro De Camilli

### Cafeteria

13:00 - 15:00 Lunch

Networking