

PROGRAM 4TH INTERNATIONAL SYMPOSIUM ON PROTEIN TRAFFICKING IN HEALTH AND DISEASE

WEDNESDAY, JUNE 7TH

Hamburg University Main Building, Foyer

01:00 PM **Registration**

Lecture Hall ESA A, Hamburg University Main Building

3:00 PM Opening
Thomas Braulke
(Chair of Research Training Group 1459, Hamburg, Germany)

Session 1

3:15 PM Chair: Saskia Heybrock, Sönke Rudnik
Volker Haucke (Leibniz-Institut für Molekulare Pharmakologie,
Berlin, Germany)
Phosphoinositide conversion in the endolysosomal system

3:45 PM **Andrea Ballabio** (Telethon Institute of Genetics and Medicine,
Naples, Italy)
Lysosome-to-nucleus signaling regulates cellular energy metabolism

4:15 PM **Roberto Zoncu** (University of California, Berkeley, USA)
The lysosome in nutrient sensing and cellular growth control

4:45 PM **Poster Session 1 (odd numbers)**
Seminar Rooms 121/122, Wing East (ESA 1 O)

6:15 PM **Snack Buffet**
Foyer, Wing East (ESA 1 O)

Evening Lecture

6:45 PM Chair: Paul Saftig
Scott D. Emr (Cornell University, Ithaca NY, USA)
Sorting out membrane traffic to the lysosome: Ubiquitin, ESCRTs and protein quality control

7:30 – 10:00 PM **Reception with Barbecue Buffet**
Foyer, Wing East (ESA 1 O)

THURSDAY, JUNE 8TH

Lecture Hall ESA A, Hamburg University Main Building

Session 2

Chair: Liliana Rojas-Charry, Alexander Fischer

9:00 AM

Yihong Ye (National Institutes of Health, Bethesda, USA)

Role of unconventional protein secretion in cell-to-cell transmission of neurotoxic proteins

9:30 AM

Karin M. Reinisch (Yale School of Medicine, New Haven, USA)

Lipid transport by TMEM24 at ER-plasma membrane contact sites regulates pulsatile insulin secretion

10:00 AM

selected abstract talks -15 min each-

Tania López-Hernández (Berlin, Germany)

Absence of astrocytic AP-2 disrupts intracellular sodium and calcium homeostasis and dysregulates glutamate uptake and lysosomal function

Zuzana Kadlecova (Cambridge, UK)

Watching Endocytosis Live in HD: Close-up on AP2

10:30 AM

Coffee Break & Poster Session 2 (even numbers)

Foyer & Seminar Rooms 121/122, Wing East (ESA 1 O)

Session 3

Chair: Maren Rudolph, David Wasilewski

11:30 AM

Zvulun Elazar (Weizmann Institute of Science, Rehovot, Israel)

Regulation of the TNF receptor, Fn14 by the autophagic machinery

12:00 AM

selected abstract talks -15 min each-

Paolo Grumati (Frankfurt/Main, Germany)

RTN3 regulates tubular endoplasmic reticulum turnover via selective autophagy

Elena Muscolino (Hamburg, Germany)

Murine cytomegalovirus recruits the retromer complex to promote NEMO degradation by autophagy

12:30 PM

James Hurley (University of California, Berkeley, USA)

The Molecular Choreography of Cellular Self-Digestion

1:00 PM

Lunch

Foyer, Wing East (ESA 1 O)

2:00 PM

Poster Session 3 (odd numbers)

Seminar Rooms 121/122, Wing East (ESA 1 O)

Session 4

Chair: Ernst Jonscher, Matthias Klose, Behnam Mohammadi

3:00 PM

Jan E. Carette (Stanford University School of Medicine, USA)

Genetic knockout screens to study virus-host interactions

3:30 AM

selected abstract talks -15 min each-

Katherine Beckham (Hamburg, Germany)

Structure of a mycobacterial type VII secretion system membrane complex

Susan Lassen (Hamburg, Germany)

Perilipin regulates lipid droplet morphology and Hepatitis C Virus replication

4:00 PM

Matthew Welch (University of California, Berkeley, USA)

Intracellular trafficking of microbial pathogens

7:00 PM

Dinner at Mövenpick Hotel (Sternschanze)

FRIDAY, JUNE 9TH

Lecture Hall ESA A, Hamburg University Main Building

Session 5

Chair: Franco Lombino, André Lopes

9:30 AM

Hugo J. Bellen (Baylor College of Medicine, Houston, USA)

Flies to study disease associated variants and pathogenic mechanisms

10:00 AM

selected abstract talks -15 min each-

Sophia Koerdt (Münster, Germany)

The Rab-27-effector synaptotagmin-like protein 2 (Slp2) interacts with lipids to regulate Weibel-Palade body exocytosis

Melinde Wijers (Groningen, The Netherlands)

WASH is a key component of the endosomal sorting machinery to sort and direct members of the low-density lipoprotein receptor (LDLR) family to the cell surface

10:30 AM

Coffee Break & Poster Session 4 (even numbers)

Foyer & Seminar Rooms 121/122, Wing East (ESA 1 O)

12:00 PM

Lunch

Foyer, Wing East (ESA 1 O)

Session 6

Chair: Giorgia Di Lorenzo, Adriana González

1:00 PM

selected abstract talks -15 min each-

Reini van der Welle (Utrecht, The Netherlands)

Characterization of Vps41 mutations leading to Parkinson-like neurodegenerative phenotypes

Saskia Heybrock (Kiel, Germany)

Role of the Lysosomal Integral Membrane Protein Type 2 in lysosomal cholesterol transport

1:30 PM

Juan S. Bonifacio (National Institutes of Health, Bethesda, USA)

Mechanisms and Functions of Lysosome Positioning

2:00 PM

Sergio Grinstein (University of Toronto, Canada)

Picket fences and a pericellular coat restrict molecular mobility and direct phagocytosis

2:30 PM

Award Ceremony and Concluding Remarks