

## **Ubiquitin: One Traveler, Two Roads**

# SignGene Symposium on Ubiquitin in Protein Homeostasis and Autophagy

Neuruppin, September 01 - 03, 2017

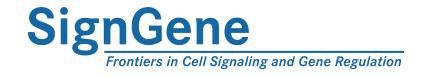
Venue: Resort Mark Brandenburg

### **Conference Program**

#### Friday, Sep 01, 2017

Session I: Neurodegeneration and Autophagy

09:00 – 09:10	Welcome by the Organizers
	Michael Glickman (Technion, Haifa, Israel),
	Thomas Sommer (MDC & HU, Berlin, Germany)
09:10 – 09:50	<u>David Rubinsztein</u> (CIMR, University of Cambridge, UK)  Autophagy and neurodegeneration
09:50 – 10:30	Anne Bertolotti (MRC, Cambridge, UK) Surviving protein quality control failure and neurodegeneration
10:30 – 11:10	Janine Kirstein (FMP, Berlin, Germany) Proteostasis network analysis and its capacity in amyloid remodelling
11:10 - 11:30	Coffee break

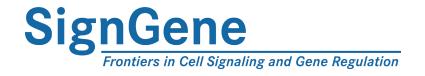


11:30 – 12:10	Michael Rape (UC Berkeley, USA)  The role of ubiquitin-dependent protein quality control in preventing neuro-degeneration
12:10 – 12:50	Richard Youle (NIH/NINDS, Bethesda, USA) Role of ubiquitin and Rabs in autophagosome morphogenesis during mitophagy
13:00 – 14:00 14:00 – 15:30	Lunch break Networking time

#### Friday, Sep 01, 2017

Session II: Ubiquitin Ligases and Quality Control

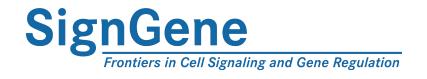
15:30 – 16:10	<u>Claudio Joazeiro</u> (ZMBH, Heidelberg, Germany)  Ribosome-Associated Quality Control (RQC)
16:10 – 16:35	Christian Lips (MDC, Berlin, Germany)  Protein Quality Control in the Nucleus - Analysis of the Asi Complex
16:35 – 17:15	Ze'ev Ronai (Technion, Haifa, Israel & Sanford Burnham, La Jolla, USA) Control of melanoma development by coordinated regulation of a gut microbiota composition and immune checkpoint activity by the ubiquitin ligase RNF5.
17:15 – 17:40	Coffee break
17:40 – 18:20	<u>Katrin Rittinger</u> (Francis Crick Institute, London, UK)  TRIM E3 ligases and their role in the regulation of immune signalling
18:20 – 19:00	Brenda Schulman (St. Jude, USA)  Ubiquitin ligation in cell cycle control: from structure to function



#### Saturday, Sep 02, 2017

Session III: Ubiquitin Chains and Proteasome Regulation

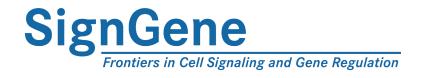
09:00 – 09:10	Graduation Ceremony
09:10 – 09:50	Volker Dötsch (Goethe University, Frankfurt, Germany) Chain assembly and disassembly processes differently affect the conformational space of ubiquitin chains
09:50 – 10:15	Lukas Pluska (MDC, Berlin, Germany) Function of Ubc1 UBA-domain in polyubiquitin chain synthesis
10:15 – 10:55	<u>Thorsten Hoppe</u> (University of Cologne, Germany)  Ubiquitin sets the timer: Coordination of aging and protein homeostasis
10:55 – 11:15	Coffee break
11:15 – 11:55	Clemens Schmitt (MDC & Charité, Berlin, Germany)  Dissecting and Targeting Proteotoxic Stress in Therapy-Induced Senescence
11:55 – 12:35	Carina Holmberg-Still (University of Helsinki, Finland) Proteasome Regulators in Health and Disease
12:45 – 13:45	Lunch break
14:00 - 17:00	Bike and canoe tour
17:00 – 17:30	Coffee break



#### Saturday, Sep 02, 2017

Session IV: Cell Signaling

17:30 – 18:10	Amir Orian (Technion, Haifa, Israel)
	Supervising the differentiated identity of cells by Ubiquitin
18:10 – 18:50	Yinon Ben Neriah (Hebrew University, Jerusalem, Israel)
	CKI $lpha$ inhibitors as anti-leukemia agents
18:50 – 19:30	Claus Scheidereit (MDC, Berlin, Germany)
	Posttranscriptional mechanisms of IKK/NF-κB driven inflammatory gene
	expression



#### Sunday, Sep 03, 2017

Session V: Proteolytic Pathways

09:00 – 09:40	Blanche Schwappach (Göttingen University, Germany)  Complementary roles of the GET pathway in the targeting and degradation of client proteins
09:40 – 10:20	Oliver Rocks (MDC, Berlin, Germany)  ARHGAP36 dependent endolysosomal degradation of PKA
10:20 – 10:40	Coffee break
10:40 – 11:20	Anne Simonsen (University of Oslo, Norway) Regulation of autophagy by lipid-binding proteins
11:20 – 12:00	Ivan Dikic (Goethe University, Frankfurt, Germany) Regulation of endoplasmatic reticulum turnover via selective autophagy
12:00 – 12:10	Closing remarks by the Organizers
12:15 – 13:15	Lunch break
13:30	Bus to Berlin