

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

Session Chair: tba

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

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

Friday, Sep 01, 2017

Session II: Ubiquitin Ligases and Quality Control

Session Chair: tba

- 15:30 – 16:10 [Claudio Joazeiro](#) (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 [Katrin Rittinger](#) (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

Session Chair: tba

- 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 Thorsten Hoppe (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

Session Chair: tba

- 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 α inhibitors as anti-leukemia agents
- 18:50 – 19:30 [Claus Scheidereit](#) (MDC, Berlin, Germany)
Posttranscriptional mechanisms of IKK/NF- κ B driven inflammatory gene expression

Sunday, Sep 03, 2017

Session V: Proteolytic Pathways

Session Chair: tba

- 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*