



SFB 1381 Online Retreat March 8-9, 2021

Dynamic organization of cellular protein machineries: From biogenesis and modular assembly to function

Monday, March 8, 2021

08:50-09:00 Login into Zoom
09:00-09:10 Welcome address

Session I

Chair: Chris Meisinger

09:10-09:35 **Sonja Albers**
A1 Dynamic assembly and rotation of the archaellum motor complex
09:35-10:00 **Nils Schürgers**
A2 Light-dependent dynamics in the assembly of the cyanobacterial motility machinery
10:00-10:25 **Matthias Boll**
A3 Assembly and dynamic interactions of a 1-MDa membrane metalloenzyme machinery catalyzing a key step in global aromatic ring degradation

10:25-10:55 Coffee break

Session II

Chair: Annegret Wilde

10:55-11:20 **Oliver Einsle**
A4 Maturase assemblies in cytochrome c biogenesis
11:20-11:45 **Carola Hunte**
A5 Assembly and biogenesis of respiratory complex III and of related supercomplexes
11:45-12:10 **Chris Meisinger**
A6 Regulation of biogenesis and function of the mitochondrial protein import machinery by phosphorylation
12:10-12:35 **Laura Scheinost**
A6 Regulation of biogenesis and function of the mitochondrial protein import machinery by phosphorylation

12:35-14:00 Lunch break

Session III

Chair: Carola Hunte

14:00-14:25 **Jon Busto**
A7 Modular organization of the machinery for membrane insertion of mitochondrial β -barrel proteins
14:25-14:50 **Bernd Fakler**
A8 Biogenesis and activity-dependent dynamics of AMPA-receptor complexes
14:50-15:15 **Wolfgang Schamel**
A9 Biogenesis and dynamic regulation of TCR assemblies

15:15-15:45 Coffee break

Session IV

Chair: Nils Wiedemann

15:45-16:10 **Eric Metzger**
B1 The KMT9 protein machinery is a novel chromatin writer
16:10-16:35 **Dominika Grzejda**
B2 Assembly, dynamics and function of ELAV protein machineries in neurons
16:35-17:00 **Asifa Akhtar**
B3 Identification and characterization of MOF interaction and substrate repertoire in mammalian cells
17:00 End of day 1



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Tuesday, March 9, 2021

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Session V

Chair: Chris Meisinger

09:00-09:15 **Verena Puxbaum**

Z2 Central coordination of the CRC

09:15-09:40 **Laura Gámez-Días**

YIG1 Dynamics of LRBA machinery in autophagy and vesicle trafficking

09:40-10:05 **Sascha Yousefi**

YIG2 Analysis of dynamic signalosome assembly upon optogenetically controlled T cell signal input

10:05-10:35 Coffee break and „Meet The YIGs“

Session VI

Chair: Valérie Hilgers

10:35-11:00 **Uwe Schulte**

Z1 High-resolution proteomics of dynamic protein machineries

11:00-11:25 **Bettina Warscheid**

Z1 High-resolution proteomics of dynamic protein machineries

11:25-11:50 **Nora Vögtle**

B4 Functional and regulatory network of the mitochondrial presequence processing machinery

11:50-13:30 Lunch break

Session VII

Chair: Nora Vögtle

13:30-13:55 **Alexander Schendzielorz**

B5 Crosstalk between the mitochondrial respiratory chain and the cytosolic protein synthesis machinery

13:55-14:20 **Hans-Georg Koch**

B6 Adaptive remodeling of ribosome composition and function in response to metabolic changes and cellular stress

14:20-14:45 **Leonie Vollmar**

B7 Structures and dynamics of the Hsp90 machinery

14:45-15:15 Lunch break

Session VIII

Chair: Bettina Warscheid

15:15-15:40 **Sabine Rospert**

B8 Partitioning of the Hsp70 Ssb between ribosomes and cytosolic chaperone machineries

15:40-16:05 **Wenjing Qi**

B9 mTOR and ribonucleoprotein complex dynamics under stress

16:05-16:30 **Anuradha Bhattacharya**

B10 Dynamic assembly of the Atg1 kinase complex during autophagosome biogenesis

16:30-16:35 Closing remarks