



CCB 2017

Protein Interaction Networks and Disease



20 November 2017 – Alte Mensa of the Johannes Gutenberg Universität, Johann-Joachim-Becher-Weg 5, 55128 Mainz, Germany

Welcome Address

09:00 - 09:10 Organizers JGU, Mainz, DE

Session 1

Chair: Jean-Fred Fontaine

09:10 - 09:40	Christine Brun	FR	Exploration of networks for cellular function predictions	Invited
09:40 - 10:10	Volkhard Helms	DE	Rewiring of protein interactions and complexes in hematopoiesis and cancerogenesis	Invited
10:10 - 10:25	Birgit Meldal	UK	Complex Portal - a unifying protein complex database	Contributed
10:25 - 10:55	Günter Kramer	DE	Cotranslational interactions of nascent chains studied by selective ribosome profiling	Invited

10:55 - 11:10 *Coffee break*

Session 2

Chair: Gregorio Alanis-Lobato

11:10 - 11:20	Bernhard Suter	US	The next generation of protein-protein interaction assays	Company
11:20 - 11:50	Emre Goney	SP	Data-driven analysis and network-based modeling for translational medicine	Invited
11:50 - 12:05	Anna Niarakis	FR	Computational systems biology approach for the study of Rheumatoid Arthritis: from a molecular map to a dynamical model	Contributed
12:05 - 12:20	Pablo Porras	UK	The MINTAct archive for mutations influencing molecular interactions	Contributed
12:20 - 12:50	Jörg Menche	AT	From protein-protein to drug-drug interactions and back	Invited

12:50 - 14:00 *Lunch*

Session 3

Chair: Miguel Andrade

14:00 - 14:30	Spyros Petrakis	GR	Stem cell models of polyQ diseases and their applications in network biology	Invited
14:30 - 14:45	Uwe Wolfrum	DE	Identification of protein complexes associated with the Usher syndrome 2C and epilepsy-associated protein VLRG1 applying affinity proteomics	Contributed
14:45 - 15:15	Ferdinando Fiumara	IT	Physiological and pathological roles of homopolymeric amino acid repeats in protein interaction networks	Invited
15:15 - 15:45	Roded Sharan	IL	A network-based approach to elucidate neurodegenerative disease mechanisms	Invited

15:45 - 16:00 *Coffee break*

Session 4

Chair: Spyros Petrakis

16:00 - 16:30	Thomas Dandekar	DE	Putting dynamics into protein networks	Invited
16:30 - 16:45	Bianca Stöcker	DE	Modeling and simulating constrained protein interaction networks	Contributed
16:45 - 17:00	Alexander Seitz	DE	SNPViz - Visualization of SNPs in proteins	Contributed
17:00 - 17:30	Ulrich Stelzl	AT	The function of post-translational modification and genetic variation in protein interaction networks	Invited

Invited talks should last 30 min. incl. discussion (25+5).
Contributed talks should last 15 min. incl. discussion (12+3).

Mainz, Germany, 20 November 2017