

The 13th P4EU meeting

7-8 December 2016

Weizmann Institute of Science, Israel

Location

Weizmann Institute Rehovot, David Lopatie Conference Center

Program: Wednesday 7 December 2016

Time	Title of the talk	Speaker
8:30 – 9:00	Gathering and COFFEE	
9:00 – 9:10	Welcome	Tamar Unger (Weizmann Institute, Rehovot)
9:10-9:30	The impact of crystallization conditions in structure-based drug design	Orly Dym (Weizmann Institute, Rehovot)
9:30 – 10:00	HTP and UHTP methods for protein production and interaction	Renaud Vincentelli
10:00 – 10:30	Protein-protein interactions in biological environments	Gideon Schreiber
10:30 – 11:00	COFFEE BREAK	
11:00 – 11:30	Structural applications of cell-free synthesized membrane proteins	Frank Bernhard (Goethe-University of Frankfurt)
11:30 – 12:00	Characterization of molecular chaperones involved in protein disaggregation using NMR techniques	Rina Rosenzweig
12:00 – 12:30	Designing stable variants of tough nut proteins in one shot	Adi Goldenzweig (Weizmann Institute, Rehovot)
12:30– 13:00	Engineered proteins: Tools for structural and functional characterization of signaling proteins	Moshe Ben-David (University of Toronto, Toronto)
13:00– 14:00	LUNCH	
14:00 – 14:30	Structural studies of protein complexes using cryo-electron microscopy	Nadav Elad (Weizmann Institute, Rehovot)
14:30 – 15:00	Investigations of eukaryotic translation machineries through single particle cryo-EM	Moran Ben-Ami (Weizmann Institute, Rehovot)
15:00 – 15:30	Column chromatography strategies for Adeno Associated Viruses (AAVs)	Hadar Amartely (The Hebrew University, Jerusalem)

	purification	
15:30 – 16:00	COFFEE BREAK	
16:00 – 17:00 P4EU ONLY	P4EU in 2017: communication – COST application – meetings and courses	Sabine Suppmann (Max-Planck-Institute of Biochemistry, Martinsried)
17:30	DINNER	Heading to TEL-AVIV

Program: Thursday 8 December 2016

Time	Title of the talk	Speaker
9:00 – 9:30	The Francis Crick Institute, Brexit and Darpins	Svend Kjaer (Francis Crick Institute, London)
9:30 – 10:00	DARPin as multipurpose tools in research and application	Jonas Schaeffer (University of Zürich)
10:00 – 10:30	Next generation protein sequencing (NGPS) enables full-length <i>de-novo</i> protein and antibody sequence determination	Yishai Levin (Weizmann Institute Rehovot)
10:30 – 11:00	COFFEE BREAK	
11:00 – 11:30	Expression and X-ray structural determination of a cysteine-rich metal binding secretory protein from the nematode roundworm	Edward Mckenzie (MIB, Manchester)
11:30 – 12:00	Genetic encoding of non-canonical amino acids for structural, biophysical and biochemical studies	Eyal Arbely (Ben Gurion University, Beer Sheva)
12:00 – 12:30	Low-throughput awareness in a high-throughput reality: challenging examples in obtaining crystals and structures	Oded Livnah (The Hebrew University, Jerusalem)
12:30 – 13:30	LUNCH	
13:30 – 14:00	The interplay between structured and disordered domains in proteins	Assaf Friedler (The Hebrew University, Jerusalem)
14:00 – 14:30	Overcoming diminishing returns during the directed evolution of highly efficient nerve agent bioscavengers	Moshe Goldsmith (Weizmann Institute, Rehovot)
14:30– 15:00	Protein engineering for autoimmune disease therapeutics	Amir Aharoni (Ben Gurion University, Beer Sheva)
15:00 – 15:30	COFFEE BREAK	
15:30 – 16:00	Proteins evolve on the edge of supramolecular self-assembly	Hector Garcia-Seisdedos (Weizmann Institute, Rehovot)
16:00 – 16:30	Viral glycoprotein expression for structural work – challenges and work strategies	Aliza Katz
16:30 – 17:00	Structural studies of natural killer cell receptor complexes: piggyBac DNA transposase deployed	Ondrej Vanek (Charles University, Czech Republic)
17:00	Final wrap up	
17:00	DINNER	HEADING to JERUSALEM