

MLZ Conference 2021: Neutrons for Life Sciences

Tuesday, 8 June 2021

Protein structure, function and dynamics (16:40 - 17:50)

-Conveners: Flora Meilleur

time	[id] title	presenter
16:40	[79] Neutrons reveal (some of) the secrets of heme peroxidases	MOODY, Peter
17:10	[53] Neutron structures of Leishmania mexicana triosephosphate isomerase complexes with reaction intermediate mimics shed light on the proton shuttling steps	OKSANEN, Esko
17:30	[56] Neutron Crystallography of the carbon fixing enzyme Rubisco	SEIBERT, Marvin

Wednesday, 9 June 2021

Protein structure, function and dynamics (10:50 - 11:50)

-Conveners: Matthew Blakeley

time	[id] title	presenter
10:50	[46] High-resolution structure studies of NADH-cytochrome b5 reductase	Dr HIRANO, Yu
11:10	[51] Integrative approach to structure of huge protein complex in Kai-clock protein system	SUGIYAMA, Masaaki
11:30	[13] Structural dynamics of substrate processing by the PAN-proteasome complex studied by TR-SANS	GABEL, Frank

Protein structure, function and dynamics (15:30 - 16:50)

-Conveners: Frank Gabel

time	[id] title	presenter
15:30	[54] Strong Adverse Contribution of Conformational Dynamics to Streptavidin–Biotin Binding	SARTER, Mona
15:50	[35] Conformational Changes of IDP under Influence of Guanidinium Chloride: Integrative Approach using X-ray/Neutron Scattering and Single Molecule Spectroscopy	STADLER, Andreas
16:10	[36] Towards time-resolved protein dynamics on nanoscopic scales	MATSARSKAIA, Olga
16:30	[30] Protein short-time diffusion in polydisperse crowding	SEYDEL, Tilo

Thursday, 10 June 2021

Protein structure, function and dynamics (10:50 - 11:50)

-Conveners: Ralf Biehl

time	[id] title	presenter
10:50	[70] Temperature-induced reorganization of influenza A nucleoprotein complex	Dr EGOROV, Vladimir
11:10	[66] Development of SEC-SANS for life science applications at ISIS TS2	DOUTCH, James
11:30	[28] Neutron Scattering Experiments and Multi-Scale Simulations Reveal Dynamical Properties of the Bacterial Cytoplasm Near Cell-Death Temperature	DI BARI, Daniele