

The future of (time resolved) room temperature protein X-ray crystallography

Programme

Wednesday 10 th February 2016 IBS Seminar Room		
08:15-08:50	Registration	
08:50-09:00	Introduction to the microsymposium UDM3 by Marina Mapelli	
Session 1: Room temperature crystallography (chair: Marina Mapelli)		
09:00-09:45	Some like it hot: Extracting functional insights from protein ensembles at room temperature	J. Fraser University of California, USA
09:45-10:10	RT data collection accounting radiation damage	A. Popov ESRF, France
10:10-10:35	Radiation damage studies of a fluorescent protein	G. Gotthard ESRF, France
10:35-11:00	Coffee break	
Session 2: Methodological developments (chair: Christoph Mueller-Dieckmann)		
11:00-11:45	Macromolecular refinement underestimates the heterogeneity in crystals	N. Pannu University of Leiden, The Netherlands
11:45-12:10	Recent developments of serial crystallography at ID13, ESRF	A. Shilova ESRF, France
12:10-12:35	NanoPeakCell: Sorting the good from the bad... at any X-ray source	N. Coquelle IBS, France
12:35-13:45	Lunch at the ESRF/ILL restaurant	
Session 3: Time resolved macromolecular crystallography (chair: David von Stetten)		
13:45-14:30	Enabling time resolved structural studies of proteins	A. Pearson University of Hamburg, Germany
14:30-15:15	Time resolved Serial Crystallography at synchrotron and X-ray Free Electron Laser	M. Schmidt University of Wisconsin-Milwaukee, USA
15:15-15:40	Time resolved structural studies of a membrane photoreceptor	A. Royant IBS/ESRF, France
15:40-15:45	Conclusion by Gordon Leonard	
15:45	End of meeting	