

Wednesday, 5 th February 2020 - Microsymposium UDM3 Venue: ESRF Auditorium		
8:15 – 8:50	Registration	
8:50 – 9:00	Introduction to the microsymposium UDM3 by Marina Mapelli	
	Session I - Challenges in Serial Crystallography - Chair: Max Nanao	
9:00 – 9:30	Keynote talk: Non-isomorphism: ancient enemy? Or blessing in disguise?	James Holton <i>Advanced Light Source Berkeley, USA</i>
9:30 – 9:50	Measuring energy-dependent photoelectron escape in microcrystals	Selina Storm <i>Diamond Light Source Didcot, UK</i>
9:50 – 10:10	X-ray data collection and structure solving of Dps protein by multiple-crystal macromolecular crystallography methods	Yurii Krupyanski <i>Semenov Institute of Chemical Physics Moscow, Russia</i>
10:10 – 10:40	<i>Coffee break</i>	
10:40 – 11:10	Keynote talk: Theory and methods in microcrystallography of biological macromolecules	Michele Cianci <i>Ancona University, Italy</i>
11:10 – 11:40	Keynote talk: Synergy between synchrotrons and free electrons laser to study ion transport with time-resolved serial crystallography	Przemyslaw Nogly <i>ETH Zurich, Switzerland</i>
11:40 – 12:00	Free-jet sample injection for synchrotron serial data collection	Bruce Doak <i>MPI Heidelberg, Germany</i>
12:00 – 14:00	<i>Lunch at the EPN campus restaurant</i>	
	Session II - Serial Experimentation and Data Analysis - Chair: Daniele de Sanctis	
14:00 – 14:30	Keynote talk: Data analysis methods for two-dimensional serial femtosecond crystallography: paving the way to the time-resolved study of large-scale movements in membrane proteins	Cecilia Casadei <i>PSI Villigen, Switzerland</i>
14:30 – 14:50	Towards a protein-based crystal host system	Janina Sprenger <i>University of Copenhagen, Denmark</i>
14:50 – 15:10	An automated and universal approach for high-throughput serial crystallography of membrane proteins using CrystalDirect technology	Shibom Basu <i>EMBL Grenoble-outstation, France</i>
15:10 – 15:30	Serial crystallography at the SPB-SFX instrument at the European XFEL	Adam Round <i>European XFEL Schenefeld, Germany</i>
15:30 – 16:00	General discussion and closing remarks	