

Satellite Workshop on Sample Environments for Biology at XFELs

26 January 2016, European XFEL, Albert-Einstein-Ring 19, Hamburg, Germany

Organizers: Joachim Schulz (European XFEL), Dan DePonte (SLAC) and Saša Bajt (DESY)

The satellite workshop on Sample Environments for Biology at XFELs is organized as a satellite of the 2016 European XFEL Users' Meeting. The day before the users' meeting, we're inviting users with interest in biology sample environments to share their ideas and views with us. The focus this year lies on liquid jets, single particle imaging and the sample environment activities at LCLS, SACLA, SwissFEL and European XFEL. In the last session, there will be time for short contributed talks about new developments in biology sample delivery. There will be sufficient time for discussion.

Programme

Tuesday, 26 January 2016

9:00	Welcome	Joachim Schulz	<i>European XFEL</i>
9:05	New developments of gas dynamic virtual nozzles	Kenneth Beyerlein	<i>CFEL</i>
9:30	Liquid jets: theory, simulation, experiments, and technologies	Alfonso M Gañán-Calvo	<i>Universidad de Sevilla</i>
10:00	Meshless simulation of liquid jets	Božidar Šarler	<i>University of Nova Gorica</i>
10:30	<i>Development of microfluidic devices</i>	Daniel Langley	<i>La Trobe University</i>
10:50	Coffee break		
11:10	SPI aerodynamic lens experiments at XBI and AMO	Johan Bielecki	<i>Uppsala University</i>
11:30	Aerosol injectors for FEL diffraction measurements	Rick Kirian	<i>Arizona State University</i>
11:50	Mass Spectrometry based biology samples	Charlotte Uetrecht	<i>Heinrich-Pette-Institut</i>
12:10	Lunch break		
13:30	Sample injection at SACLA	Michihiro Sugahara	<i>RIKEN</i>
13:50	European XFEL sample environment group	Rita Graceffa	<i>European XFEL</i>
14:10	LCLS sample environment group	Jake Koralek	<i>SLAC</i>
14:30	Membrane Protein sample preparation at SwissFEL	Xiaodan Li	<i>Paul Scherrer Institut</i>
14:50	Biology infrastructure at the European XFEL	Kristina Lorenzen	<i>European XFEL</i>
15:10	Coffee break		
15:40	New developments in biology sample delivery	Short talks to be announced	
16:20	Discussion: The European XFEL sample environments		

Registration at www.xfel.eu/2016-users-meeting