

# Challenges for sample delivery at the European XFEL Facility

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Satellite meeting to the European XFEL Users' Meeting 2013

Thursday, 24 January 2013

Meeting Room IV, CFEL

The sample environment group of the European XFEL GmbH is going to provide sample delivery methods for the six instruments of the European XFEL Facility. In this satellite meeting we will bring together experts, who are working on sample delivery methods for XFEL sources, in order to intensify on-going discussions and define common goals for future collaborations. This year the focus will be on injection methods like liquid jets and aerosol sources.

15:00 - 15:15	Welcome and overview	Joachim Schulz (European XFEL)
15:15 - 15:30	Microfluidic liquid jet systems	Martin Trebbin (Bayreuth University)
15:30 - 15:45	Advances in jets for serial femtosecond crystallography	Kenneth Beyerlein (CFEL)
15:45 - 16:00	Coffee break	
16:00 - 16:15	Possibilities for native MS to deliver biological samples	Charlotte Uetrecht (European XFEL / Uppsala University)
16:15 - 16:30	Experimental opportunities at FERMI seeded FEL for single shot CDI of injected nano-objects	Flavio Cappotondi (Elettra)
16:30 - 16:45	Liquid jet development at the European XFEL Facility	Sadia Bari (European XFEL)
16:45 - 17:00	Discussions	