

# SATELLITE WORKSHOP - Photon Science



## Serial crystallography at synchrotron sources

Thursday, 28 January 2016

Seminar Room II, Bldg. 99

Serial crystallography has become a great success story at X-ray Free Electron Lasers and has recently been also successfully applied at synchrotrons sources. At these sources, the method allows structure determinations from multiple crystals which are too small for conventional diffraction experiments and has great potential for time resolved studies of enzyme reactions. It is the goal of the workshop to exchange knowledge about the latest experiments and to bring together facility staff and user groups to identify new potentials and define further needs and directions in the field of serial crystallography.

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### PROGRAMME

13:50	Welcome and introduction by the organisers		
14:00	Serial crystallography in living insect cells	Lars Redecke	Uni Lübeck
14:30	Bridging Enzyme Kinetics and Structure Determination	Dietmar Manstein	Med. HS, Hannover
15:00	Time-Resolved Structural Biology: Phytochrome Drivers of R&D at Synchrotrons & XFELs	Allen Orville	Diamond Light Source
15:30	In situ serial crystallography of soluble and membrane proteins in the lipid cubic phase	Martin Caffrey	Trinity College Dublin
<b>16:00</b>	<b><i>Coffee break</i></b>		
16:30	Recent developments in serial crystallography at synchrotrons and XFEL's	Henry Chapman	CFEL
16:50	Opportunities for serial crystallography at DESY beamline P11	Alke Meents	DESY
17:10	Multiple crystals and serial data collection strategies on P13 and P14	Thomas Schneider	EMBL Hamburg
17:30	Wrap-up, final discussion		
18:00	End of workshop		

Update: 18 January 2016