

LCLS-II Scientific Opportunities Workshops - Agenda

Life Sciences Tuesday, February 10, 2015

Plenary in Kavli Auditorium

7:30 AM	<i>breakfast (ROB)</i>	
8:00 AM	Welcome	<i>M. Dunne - LCLS</i>
8:15 AM	LCLS-II Status	<i>D. Schultz – SLAC</i>
8:20 AM	Workshop overview & charge, science examples, instrumentation R&D overview	<i>W. Schlotter – SLAC</i>
8:50 AM	<i>discussion</i>	
9:05 AM	Climbing to New Heights: XFEL's and Structural Biology	<i>George Phillips Rice University</i>
9:30 AM	<i>discussion</i>	
9:45 AM	<i>break</i>	
10:00 AM	title - TBD	<i>Robert Stroud UCSF</i>
10:25 AM	<i>discussion</i>	
10:40 AM	Diffraction-based structures of protein intracellular microcrystals and in vitro amyloid nanocrystals	<i>David Eisenberg UCLA</i>
11:05 AM	<i>discussion</i>	
11:20 AM	Molecular Movies at LCLS	<i>Marius Schmidt U.W. Milwaukee</i>
11:45 AM	<i>discussion</i>	
12:00 PM	LCLS-II capabilities & overview	<i>T. Raubenheimer – SLAC</i>
12:30 PM	<i>discussion</i>	
12:45 PM	<i>lunch</i>	
2:15 PM	Imaging particles through diffraction intensity correlations	<i>Richard Kirian Physics Dept. ASU</i>
2:40 PM	<i>discussion</i>	
2:55 PM	What CryoEM Can and Cannot do for Biology Today?	<i>Wah Chiu Baylor University</i>
3:20 PM	<i>discussion</i>	
3:35 PM	Studies of macromolecular structures by X-ray scattering from solutions	<i>Dmitri Svergun EMBL Hamburg</i>
3:35 PM	<i>discussion</i>	
3:35 PM	Introduction of breakout topics (~3 min. each)	
3:45 PM	<i>break</i>	
4:00 PM	Breakout Discussions in Research Office Bldg. (ROB) (short talks, planning for day 2 etc.) Four parallel sessions: (1) Nano-crystallography – structure & dynamics ROB-A <i>Sebastien Boutet, Vadim Cherezov</i> (2) Structure & dynamics of solution macromolecular complexes & assemblies ROB-B <i>Sebastian Doniach, Peter Zwart</i> (3) Coherent diffractive imaging – single molecules/particles ROB-C <i>Christoph Bostedt, Anton Barty</i> (4) Spectroscopy & resonant inelastic scattering/emission (RIXS/XES) ROB-D <i>Uwe Bergmann, Vittal Yachandra</i>	
5:30 PM	<i>session end</i>	
6:05 PM	<i>workshop dinner - SLAC host (ROB)</i>	

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8:00 AM	<i>breakfast</i>	
8:30 AM	continued breakout discussions in Research Office Bldg. (ROB) Four parallel sessions: (1) Nano-crystallography – structure & dynamics - ROB-A (2) Structure & dynamics of solution macromolecular complexes & assemblies - ROB-B (3) Coherent diffractive imaging – single molecules/particles - ROB-C (4) Spectroscopy & resonant inelastic scattering/emission (RIXS/XES) - ROB-D	
10:10 AM	<i>break</i>	
10:30 AM	continued breakout discussions in Research Office Bldg. (ROB) Four parallel sessions: (1) Nano-crystallography – structure & dynamics (2) Structure & dynamics of solution macromolecular complexes & assemblies (3) Coherent diffractive imaging – single molecules/particles (4) Spectroscopy & resonant inelastic scattering/emission (RIXS/XES)	
12:10 PM	<i>lunch</i>	
1:10 PM	continued breakout discussions (four parallel sessions) preparation of closeout slides and written materials	
3:10 PM	<i>break</i>	
3:30 PM	Plenary Closeout Session in Kavli Auditorium	
3:30 PM	<i>Closeout - Breakout #1</i>	
3:50 PM	<i>discussion</i>	
4:00 PM	<i>Closeout - Breakout #2</i>	
4:20 PM	<i>discussion</i>	
4:30 PM	<i>Closeout - Breakout #3</i>	
4:50 PM	<i>discussion</i>	
5:00 PM	<i>Closeout - Breakout #4</i>	
5:20 PM	<i>discussion</i>	
5:30 PM	<i>workshop end</i>	