

Life Science Council R&D Workshop May 2, 2012

Start	Duration	End		
8:30 AM	0:30	9:00 AM	Coffee and Breakfast Pastries	
9:00 AM		9:25 AM	Moderator	Bob Fischetti
9:00 AM	0:15	9:15 AM	Welcome and Remarks on Development of APS Strategy for Biosciences	Brian Stephenson
9:15 AM	0:10	9:25 AM	R&D in the Life Sciences	Keith Moffat
9:25 AM		10:35 AM	Moderator	Bi-Cheng Wang
9:25 AM	0:15	9:40 AM	Using an MX beamline and microfluidic platform for small-angle diffraction studies of matrices for protein crystallization	Elena Kondrashkina
9:40 AM	0:15	9:55 AM	Microdiffraction and microSAXS developments at BioCAT	Tom Irving
9:55 AM	0:15	10:10 AM	The future of automated data analysis at NE-CAT	Frank Murphy
10:10 AM	0:15	10:25 AM	Behind the beamstop crystallography	Raj Rajashankar
10:25 AM	0:10	10:35 AM	Discussion	
10:35 AM	0:30	11:05 AM	Coffee Break	
11:05 AM		12:30 PM	Moderator	Andrzej Joachimiak
11:05 AM	0:15	11:20 AM	Monochromatic and polychromatic time-resolved crystallography	Vukica Srajer
11:20 AM	0:15	11:35 AM	Deconvolution of structural heterogeneity in real space	Zhong Ren
11:35 AM	0:15	11:50 AM	From macro to micro: Changes that might help perform a better experiment	Randy Alkire
11:50 AM	0:15	12:05 PM	Visualizing crystals with SONICC on the beamline	Michael Becker
12:05 PM	0:15	12:20 PM	Cartesian sample automounters	Oleg Makarov
12:20 PM	0:10	12:30 PM	Discussion	
12:30 PM	1:00	1:30 PM	Lunch (self pay buffet)	
1:30 PM		3:00 PM	Moderator	Janet Smith
1:30 PM	0:15	1:45 PM	Radiation damage	Andrzej Joachimiak
1:45 PM	0:15	2:00 PM	Microprobe research with an emphasis on cryo samples and the bionanoprobe	Stefan Vogt
2:00 PM	0:15	2:15 PM	Forward looking possibilities for beamlines having optimized extended wavelength capabilities	Bi-Cheng Wang
2:15 PM	0:15	2:30 PM	Real-time high-speed data transfer	Lisa Keefe
2:30 PM	0:15	2:45 PM	Development of a secondary microfocus system and plans for the Pilatus 6MF at NECAT	Malcolm Capel
2:45 PM	0:15	3:00 PM	Discussion	
3:00 PM	0:30	3:30 PM	Coffee break and snacks	
3:30 PM		4:30 PM	Moderator	Tom Irving
3:30 PM	0:15	3:45 PM	Design of SBC's microfocus beamline on a canted undulator and alternative plans to implement microfocusing	Gerd Rosenbaum
3:45 PM	0:15	4:00 PM	The GM/CA microfocus beamline: optical performance, beam stabilization, goniometry and radiation damage	Bob Fischetti
4:00 PM	0:15	4:15 PM	LS-CAT remote access and user control	Keith Brister
4:15 PM	0:15	4:30 PM	Life Sciences Council Business	Bob Fischetti
4:30 PM	0:30	5:00 PM	Discussion Moderators	Moffat and Fischetti
5:00 PM	1:00	6:00 PM	Reception (hors d'œuvres and cash bar)	