

10 Years of Discovery - Teachers at CLS
Saturday December 5th, 2015

8:30	Welcome Orientation - Facility Access & Resource Material		Tracy Walker, Educational Outreach Coordinator
9:00 - 9:45	10 Years of Excitement and Discovery at CLS		Dr. Robert Lamb, CEO & Director of CLS
9:45 - 10:30	The Wonders of the Machine		Dr. Ward Wurtz, Accelerator Physicist
10:30 - 10:45	Break		
10:45 - 12:00	Tour all the nooks and crannies of the facility		Dr. Robert Blyth, Manager Science Projects & Tracy Walker, Educational Programs Lead
12:00 - 12:30	Lunch		
12:30 - 1:30	Materials Science - how light diffraction reveals molecular structure		Dr. Joel Reid, CLS Industry Scientist
1:30 - 3:00	Diffraction at work on CMCF II: Dr. Joel Reid	CLS Curricular Resources featuring Problem-Based Learning: Anna-Maria Boechler, Education Coordinator Room 2046	The Anatomy of a Beamline - BioXAS: Dr. Ian Coulthard, Staff Scientist BioXAS - Room 2068
3:00 - 3:15	Break		
3:15 - 4:30	Diffraction at work on CMCF II: Dr. Joel Reid	CLS Curricular Resources featuring Problem-Based Learning: Anna-Maria Boechler, Education Coordinator Room 2046	The Anatomy of a Beamline - BioXAS: Dr. Ian Coulthard, Staff Scientist BioXAS - Room 2068
5:30 - ??	Supper - Alexander's		

Sunday December 6th, 2015

9:00 - 9:45	Plant Studies - How do synchrotron techniques contribute?		Dr. Chithra Karunakaran, Staff Scientist - Plant Imaging
9:45 - 10:30	Synchrotron Techniques - What happens when light interacts with matter?		Dr. Robert Blyth
10:30 - 10:45	Break		
10:45 - 11:30	Speciation Matters - Mercury and toxicity		Dr. Gosia Korbas, Staff Scientist - BioXAS
11:30 - 12:15	Inspiring Geological Research		Dr. Joyce McBeth, Professor - University of Saskatchewan Scientist - Environment
12:15 - 1:00	Lunch		
1:00 - 2:30	Cool Cryogenic Systems at CLS: Dr. Chris Regier, Mechanical Engineer	IDEAS: discovering x-ray spectra: Dr. David Muir, Staff Scientist - IDEAS & Tracy Walker, Educational Programs Lead	Crystals & Diffraction ... Biology Anyone? Dr. Shaun Labiuk, Research Associate - CMCF
2:30 - 2:45	Break		
2:45 - 4:15	Cool Cryogenic Systems at CLS: Dr. Chris Regier, Mechanical Engineer	IDEAS: discovering x-ray spectra: Dr. David Muir, Staff Scientist - IDEAS & Tracy Walker, Educational Programs Lead	Crystals & Diffraction ... Biology Anyone? Dr. Shaun Labiuk, Research Associate - CMCF

Monday December 7th, 2015

9:00 - 9:45	Properties of Light Exploited by Synchrotron Research	Dr. Dean Chapman, CLS Director of Science & Canada Research Chair in Synchrotron Imaging, Usask
9:45 - 11:00	Connecting Research & Education - Resource Development	Collaborative Teamwork
Break	when it makes sense with the conversations	
11:00 - 12:30	Students on the Beamlines - the process, the experience, the opportunities, an overview – beware the Thursday syndrome	Tracy Walker & Anna-Maria Boechler & Robert Blyth - the Education Team
12:30 - 1:00	Lunch	
1:00 - 2:30	Coming to Question - the toughest part of SotB - Dr. Robert Blyth & Tracy Walker	REIXS Surface Science Facility: XPS and LEED - Dr. Ronny Sutarto, Research Associate XPS
2:30 - 2:45	Break	
2:45 - 4:15	Coming to Question - the toughest part of SotB - Dr. Robert Blyth & Tracy Walker	REIXS Surface Science Facility: XPS and LEED - Dr. Ronny Sutarto, Research Associate XPS