

**SSRL Summer School on Synchrotron X-Ray Absorption  
Spectroscopy & Imaging**  
Monday, June 19 – Friday, June 23, 2017

Monday, 19 June 2017, Building 48, Room 112 : Redwood Rooms	
8:30 – 8:55 AM	Registration – <i>Refreshments</i>
8:55 – 9:00 AM	Introductory Remarks – <a href="#">Ritimukta Sarangi</a>
9:00 – 10:00 AM	Introduction to XAS at SSRL – <a href="#">Britt Hedman</a>
10:00 – 11:00 AM	Introduction to Theoretical Aspects of XAS/EXAFS – <a href="#">Matthew Newville</a>
11:00 AM – 12:00 PM	Introduction to Experimental Aspects of XAS/EXAFS – <a href="#">John Bargar</a>
12:00 – 1:00 PM	<b>Lunch</b>
1:00 – 2:00 PM	Application of EXAFS/XANES: <a href="#">TBD</a>
2:00 – 3:00 PM	Application of EXAFS/XANES: <a href="#">Simon Bare</a>
3:00 – 3:30 PM	Break – <b>Group Photo</b>
3:30 – 4:30 PM	Introduction to XAS Imaging: <a href="#">Sam Webb</a>
4:30 – 5:00 PM	Macromolecular Crystallography at SSRL: <a href="#">Clyde Smith</a>
5:00 – 5:30 PM	X-ray Scattering: <a href="#">Chris Tassone</a>
6:00 PM	School Dinner

Tuesday, 20 June 2017, Building 48, Room 112 : Redwood Rooms		
8:30 – 9:00 AM	Refreshments	
9:00 – 9:30 AM	Demystifying the Synchrotron Experience: <a href="#">Courtney Roach</a>	
9:30 – 10:30 AM	Proposal Writing and Result Reporting: <a href="#">John Bargar</a>	
10:30 AM – 12:30 PM	<b>CORVUS</b> Workflow for X-ray Spectroscopy Data Analysis: <a href="#">Josh Kas</a>	
12:30 – 1:30 PM	<b>Lunch</b>	
	EXAFS	XAS Imaging
1:30 – 2:30 PM	Experimental Design and Sample Preparation – <a href="#">Ryan Davis</a>	Experimental Design and Sample Preparation – <a href="#">Sam Webb</a>
	Beamline Hands-on Practical Sessions – Building 120, SSRL	
2:40 AM – 5:00 PM	<b>BL 2-3:</b> XAS Imaging Instructors: <a href="#">Sam Webb</a> , <a href="#">Courtney Roach</a>	<b>BL 7-3:</b> XAS/EXAFS Instructors: <a href="#">Erik Nelson</a> , <a href="#">Matthew Latimer</a>
2:40 – 3:00 PM BL Tour		
3:15 – 5:00 PM BL Introduction and sample preparation	<b>BL 9-3:</b> XAS/EXAFS (Bio) Instructors: <a href="#">Riti Sarangi</a>	<b>BL11-2:</b> XAS/EXAFS (GI-XAS) Instructors: <a href="#">Juan Lezama</a> , <a href="#">Ryan Davis</a>
3:00 – 3:15 PM	Refreshments (BL 9 Lounge Area)	

Wednesday, 21 June 2017, Beamline Hands-on Practical Sessions – Building 120, SSRL		
8:30 – 9:00 AM	Refreshments (BL 9 Lounge Area)	
	Beamline Hands-on Practical Sessions – Building 120, SSRL	
9:00 AM – 5:30 PM	<b>BL 2-3:</b> XAS Imaging Instructors: <a href="#">Sam Webb</a> , <a href="#">Courtney Roach</a>	<b>BL 7-3:</b> XAS/EXAFS Instructors: <a href="#">Erik Nelson</a> , <a href="#">Matthew Latimer</a>
	<b>BL 9-3:</b> XAS/EXAFS (Bio) Instructors: <a href="#">Riti Sarangi</a>	<b>BL11-2:</b> XAS/EXAFS (GI-XAS) Instructors: <a href="#">Juan Lezama</a> , <a href="#">Ryan Davis</a>
12:00 – 1:00 PM	<b>Lunch</b>	
3:00 – 3:15 PM	Refreshments (BL 9 Lounge Area)	

Thursday, 22 June 2017, Building 48, Room 112 : Redwood Rooms		
8:30 – 9:00 AM	Refreshments	
	<b>EXAFS</b>	<b>XAS Imaging</b>
9:00 – 10:00 AM	Principles of FEFF based data analysis: <a href="#">Riti Sarangi</a>	Data Analysis Basics: <a href="#">Sam Webb</a>
10:00 AM – 5:30 PM	Hands-on data analysis session using Athena/Artemis suite <a href="#">Juan Lezama</a> , <a href="#">Sharon Bone</a>	Hand-on data analysis <a href="#">Sam Webb</a> , <a href="#">Courtney Roach</a>
12:00 – 1:00 PM	<b>Lunch</b>	
3:00 – 3:15 PM	Refreshments	

Friday, 23 June 2017, Building 48, Room 112 : Redwood Rooms		
8:30 – 9:00 AM	Refreshments	
9:00 – 10:00 AM	Electronic Structure Interpretation from XANES: <a href="#">Riti Sarangi</a>	
10:00 – 11:00 AM	Combining Advanced Spectroscopy with XAS: <a href="#">Thomas Kroll</a>	
	<b>EXAFS</b>	<b>XAS Imaging</b>
11:00 AM – 2:00 PM	1-on-1 EXAFS data analysis session: <a href="#">Riti Sarangi</a> , <a href="#">John Bargar</a> , <a href="#">Juan Lezama</a>	1-on-1 Imaging data analysis session: <a href="#">Sam Webb</a> , <a href="#">Courtney Roach</a>
12:00 – 1:00 PM	<b>Lunch</b>	
2:00 PM	Meeting Adjourned	