

Biogeochemical Imaging in a New Light
 Teacher and Student Training
 June 29 to July 2, 2020
 Brookhaven National Laboratory
 (preliminary agenda: subject to change)

Monday, June 29, 2020

<i>Time</i>	<i>Location</i>		
8:00 am	Bldg. 400		<i>Badging and TLDs at GUV Center</i>
8:30 am	Bldg 734-126	Lecture	<i>Welcome, Course Purpose and Goals</i> Ken White
8:45 am		Lecture	<i>What is a Synchrotron?</i> Vivian Stojanoff
9:30 am		Lecture	<i>X-Ray Microspectroscopy-Lecture</i> Juergen Thieme
10:30 am		Break	<i>Around the room: informal introduction by all participants</i>
11:00 a.m.		Practical	<i>How is data collected?</i>
12:00pm		LUNCH (included in registration)	
1:00 pm	743	Practical	<i>Data collection at Beamlines</i> <i>Paul Northrup, Juergen Thieme</i> <i>Group 1A and 1B sample prep and collection SRX</i> <i>Group 2A and 2B sample preparation and data collection at XFM</i>
4:00 pm			<i>Break</i>
4:30pm			<i>Summary of the day</i>
5:00 pm			<i>Adjourn</i>

Tuesday, June 30 2020
X-ray Microspectroscopy

<i>Time</i>	<i>Location</i>		
8:30 am	Bldg. 734-126	Lecture	<i>X-Ray Microspectroscopy-Data Analysis Methods (PyXRF)</i> <i>Paul Northrup, Juergen Thieme</i>
12:00 a.m.			
12:00 pm		LUNCH (included in registration)	
1:00 pm			<i>X-Ray Microspectroscopy Dana Analysis Methods (Larch)</i> <i>Paul Northrup</i>
4:00 pm			<i>Summary of the Day</i>
4:15 pm			

Wednesday, July 1, 2020
Infrared Microscopy

<i>Time</i>	<i>Location</i>		
8:30 am	Bldg. 743-156	Lecture	<i>Infrared Imaging-Lecture</i> <i>Lisa Miller</i>
9:15 am		Laboratory	<i>Group 1: Sample preparation</i> <i>Group 2: Data collection</i> <i>Ashwin Ambi, Tiffany Victor</i>
		Laboratory	<i>Group 1: Data collection</i> <i>Group 2: Sample preparation</i>
12:15 pm		LUNCH (included in registration)	
1:15 pm			<i>Data analysis.</i> <i>Ashwin Ambi, Tiffany Victor</i>
4:15 pm.			<i>Summary of the day</i>
5:00 pm			Adjourn

Thursday, July 2, 2020

Time	Location		
8:30 am	Bldg. 734-126	Lecture	Additional Imaging Techniques at NSLS-II TBD)
9:15 am		Lecture	Imaging at CFN Dmytro Nypachancuk
10:00 a.m.			Break
10:30 am			Developing a research proposal at NSLSII
12:0 pm		LUNCH (included in registration)	
1:00 pm			Tour of NSLSII Vivian Stojanoff
2:15 pm	Bldg. 734-126	Discussion	Proposal Ideas and how to get involved
3:30 pm			Break
4:00 p.m.	Bldg. 734-126		Summary of the week
4:45 pm			Adjourn