

Synergy of Neutron and X-Ray Contrast Methods for Studying Soft Materials and Biological Systems

Oak Ridge National Laboratory
 Building 8600, C-156

February 27-28, 2018

Day 1—Tuesday, February 27

Time	Event	Speaker
8:00-8:30 a.m.	Workshop check-in, breakfast provided	
8:30-8:45 a.m.	Welcome/Organizational Announcements	Wim Bras, Oak Ridge National Laboratory
8:45-9:30 a.m.	Applying Soft Anomalous X-ray Contrast	Cheng Wang, Lawrence Berkeley National Laboratory
9:30-10:00 a.m.	Applying SANS with D-labeling	Yun Liu, National Institute of Standards and Technology
10:00-10:30 a.m.	Applying Hard Anomalous X-ray Contrast	Lin Yang, Brookhaven National Laboratory
10:30-10:45 a.m.	Break	
10:45-11:15 a.m.	Discuss morning topics	
11:15-11:45 a.m.	Techniques in Bio-labeling	Zvi Kelman, National Institute of Standards and Technology
11:45 a.m.-12:00 p.m.	Group picture, SNS lobby	
12:00-1:00 p.m.	Working lunch	TBD
1:00-1:30 p.m.	Applying SANS with D-labeling	David Cowburn, Albert Einstein College of Medicine
1:30-2:00 p.m.	Techniques in chemical D-labeling	Peter Bonnesen, Oak Ridge National Laboratory
2:00-2:30 p.m.	Techniques in chemical D-labeling	Theo Dingemans, University of North Carolina
2:30-3:00 p.m.	<i>In vivo</i> lipid membrane contrast	John Katsaras, Oak Ridge National Laboratory
3:00-3:30 p.m.	Break, refreshments provided	
3:30-5:00 p.m.	Graphite Reactor Tour	
5:30-8:30 p.m.	Offsite working dinner	Lakeside Tavern, Knoxville

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Day 2—Wednesday, February 28

Time	Event	Speaker
8:00-8:30 a.m.	Workshop check-in, breakfast provided	
8:30-9:00 a.m.	Organizational updates	Wim Bras, Oak Ridge National Laboratory
9:00-9:30 a.m.	Soft X-ray Contrast Techniques	Eliot Gann, National Institute of Standards and Technology
9:30-10:00 a.m.	Neutron Contrast Variation Techniques	Volker Urban, Oak Ridge National Laboratory
10:00-10:30 a.m.	Hard X-ray Contrast Techniques	Armin Hoell, Helmholtz-Zentrum Berlin für Materialien und Energie GmbH
10:30-10:45 a.m.	Break	
10:45-11:15 a.m.	Application of Soft Anomalous Contrast	Xiaodan Gu, University of Southern Mississippi
11:15-11:45 a.m.	Dynamic polarization	Dean Myles, Oak Ridge National Laboratory
11:45 a.m.-12:15 p.m.	Discussion	
12:15-1:30 p.m.	Working lunch	TBD
1:30-2:15 p.m.	Perspectives	Dean DeLongchamp, National Institute of Standards and Technology
2:15-2:30 p.m.	Break, refreshments provided	
2:30-4:00 p.m.	Tours of SNS/HFIR/CNMS	
4:00 p.m.	Close	