ASCI 2015 AGENDA

Day 1 – Wednesday, May 20, 2015

bakery basket and coffee at 8:30 am (provided by WSU)

Time	Speaker
9.00-9.15	Welcome and Introduction to ASCI, the PREMIER Network, and the new Springer online journal "Advanced Structural and Chemical Imaging" (ASCI) – ***Nigel D. Browning, PNNL and Michael Knoblauch, Washington State University***
	Session 1 – Materials Sciences / Session Chair: Thomas Vogt
9.15-9.45	"Quantitative Specimen Property Measurements Using Diffraction Phase Information" – Rodney Herring, University of Victoria
9.45-10.15	"Quantitative electrochemistry of anode materials for Li-ion and Mg-ion batteries using in situ S/TEM" – Katie Jungjohann, Sandia National Laboratory
10.15-10.45	"New Compounds with Designed Nanoarchitecture and Tunable Properties: The Challenges of Quantifying Local Composition" - Dave Johnson, University of Oregon
10.45-11.15	**Coffee Break *(provided by WSU)***
11.15-11.45	"Characterization of Magnetic Nanoparticles for Used Nuclear Fuel Separation " – Yaqiao Wu, Boise State University
11.45-12.15	"Vibrational Spectroscopy in the Electron Microscope" – Tracy Lovejoy, Nion
12.15-12.45 pm	"Low Dose Rate Electron Microscopy of Functional Materials" – Christian Kisielowski, Lawrence Berkeley National Laboratory
12.45-1.45	**Lunch Break *(provided by PREMIER)***
	Session 2 – Life Sciences / Session Chair: David Belnap
1.45-2.15	"Hyperspectral imaging microscopy in short wave infrared" – Mikhail Berezin, Washington University at St. Louis
2.15-2.45	"Fluorescence Lifetime Imaging and Fluorescence Correlation Spectroscopy" – Chelle Terwilliger, University of Montana
2.45-3.15	"Super-resolution imaging of plasmonic nanostructures" – Katherine Willets, University of Texas
3.15-3.45	"The versatility of macromolecular electron microscopy" – Andreas Holzenburg, Texas A&M

3.45-4.00	**Coffee Break *(provided by WSU)***
4.00-4.30	"Integrated whole-plant fluxomics aided by dynamic PET imaging" – Rich Ferrieri, Brookhaven National Laboratory
4.30-5.00	"Electron Tomography in Plant Cell Biology" – Marisa Otegui, University of Wisconsin
5:00-5.30	"Live Cell Optical Nanoscopy" – Joerg Bewersdorf, Yale University
5.45	**DINNER**

Day 2 – Thursday, May 21, 2015

bakery basket and coffee at 8:30 am (provided by WSU)

Session 3 – Materials Sciences / Session Chairs: Rodney Herring & Christian Kisielowski	
9.00-9.30	"Atomic-resolution X-ray spectroscopy imaging studies of energy conversion and storage materials" – Robert F. Klie, University of Illinois - Chicago
9.30-10.00	"Adventures in Real Space: Understanding and Controlling Local Environments in Oxides with Aberration Corrected STEM" – Albina Borisevich, Oak Ridge National Laboratory
10.00-10.30	"Using Electron Backscatter Diffraction to Estimate Defect Content in Polycrystalline Materials" – David Field, Washington State University
10.30-11.00	**Coffee Break *(provided by WSU)***
11.00-11.30	"Imaging in Materials Science - status and needs" – Thomas Vogt, University of South Carolina
11.30-12.00	"Chasing the Evolution of Materials with in-situ Materials Imaging" – Jeffrey Aguiar, National Renewable Energy Laboratory
12.00-12.30	"Quantitative In-Situ TEM" – Nigel Browning, Pacific Northwest National Laboratory
12.30-1.30	**Lunch Break *(provided by PREMIER)***
1.30-3.30	**Session 4 – Poster Session**
3.30-4.00	**Coffee Break *(provided by WSU)***
4.00-5.00	**Business meeting of the PREMIER network**

Day 3 – Friday, May 22, 2015

bakery basket and coffee at 8:00 am (provided by WSU)

Session 5 – Life Sciences / Session Chairs: Andreas Holzenburg & Richard Ferrieri	
8.30-9.00	"Super-resolution analysis of Caveolae and Cav1 scaffolds in Prostate Cancer Cells" – Ivan Robert Nabi, University of British Columbia
9.00-9.30	"Modeling macromolecular structure with Gorgon and Pathwalking" – Matthew L. Baker, Baylor College of Medicine
9.30-10.00	"Macromolecular complexes visualized with a direct electron detector" – David Belnap, University of Utah
10.00-10.30	**Coffee Break *(provided by WSU)***
10.30-11.00	"High Resolution Cryo-EM Structure Determination using Direct Electron Detectors" – Justin Kollman, University of Washington - Seattle
11.00-11.30	"Integrating structure, chemistry and dynamics for holistic bioimaging" – James Evans, Pacific Northwest National Laboratory
11:30-12:00	"New Fluorescent Probes for Super-Resolution Fluorescence Microscopy" – Joshua Vaughan, University of Washington - Seattle
Lunch and ADJOURN	
THANK YOU WSU and PNNL!	

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