

Agenda as of October 2, 2025

Event contact	Host – Cheng Li, 865-232-8422 (office); lic1@ornl.gov Admin – Erin S. Webb, webbes@ornl.gov Admin – Tiffany Payne, 865-341-4315 (office); paynetj@ornl.gov			
Porous Materials for a Sustainable Energy Future Through Neutron Scattering				
Time	Event	Lead	Attendees	Place
Monday, October 13, 2025				
8:15 a.m. – 8:45 a.m.	Event check-in	Eunice Pappas Erin S. Webb Tiffany Payne	All	8600, Lobby
8:55 a.m. – 9:00 a.m.	Welcome	Jon Taylor	All	8600, C-152
9:00 a.m. – 9:20 a.m.	Introduction to neutron scattering	Christina Hoffman	All	8600, C-156
9:20 a.m. – 9:40 a.m.	Diffraction studies of porous materials	Cheng Li	All	8600, C-156
9:40 a.m. – 10:00 a.m.	Inelastic Neutron Scattering Applied to Porous Materials	Timmy Ramirez-Cuesta	All	8600, C-156
10:00 a.m. – 10:20 a.m.	Dynamics in confinement studied by quasielastic neutron scattering	Niina Jalarvo	All	8600, C-156
10:20 a.m. – 10:40 a.m.	Characterization of Nanoporous Materials and Pore0Confined Fluids Using (Ultra-) Small Angle Neutron Scattering	Gernot Rother	All	8600, C-156
10:40 a.m. – 11:00 a.m.	Break	Cheng Li	All	8600, C-156
11:00 a.m. – 11:40 a.m.	Porous Liquids: Expanding Frontiers in Energy-Related Applications	Prof. Sheng Dai	All	8600, C-156
11:40 a.m. – 12:15 p.m.	Porosity from 0D to 3D: Views from Simulations and Machine Learning	Prof. De-en Jiang	All	8600, C-156
12:15 p.m. – 12:30 p.m.	Group Photo	Cheng Li	All	Outside of 8600 on Stairs

12:30 p.m. – 1:30 p.m.	Working Lunch: Lightning Talk/Poster Session	Naresh Osti	All	8600, C-156
1:30 p.m. – 2:10 p.m.	TBD	Prof. Omar K. Farha	All	8600, C-156
2:10 p.m. – 2:30 p.m.	Probing Porous Materials with Neutron Techniques: Case Studies on Porosity and Surface Structures	Dr. Zhenzhen Yang	All	8600, C-156
2:30 p.m. – 2:50 p.m.	Designing Functional Porous Materials of Energy Stone and Conversion	Prof. Sara Thoi	All	8600, C-156
2:50 p.m. – 3:30 p.m.	Structure-Function Studies in MFU-4l Frameworks for Efficient Industrial Gas Capture Applications	Dr. Ryan Klein	All	8600, C-156
3:30 p.m. – 3:50 p.m.	Break	Cheng Li	All	8600, C-156
3:50 p.m. – 4:40 p.m.	Discussion Session: Future Direction of the Facility for Porous Materials Research; Emerging Science Opportunity	NSD staffs	All	8600, C-156
4:40 p.m. – 5:30 p.m.	SNS Tour	Cheng Li Naresh C. Osti Yongqiang Cheng	All	8600 and 8700
5:30 p.m. – 7:00 p.m.	Working Dinner	Barry Winn Yaohua Li	All	8600, C-156
7:00 p.m.	Adjourn	Cheng Li	All	

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Tuesday, October 14, 2025				
9:00 a.m. – 9:40 a.m.	MOFs Across Disciplines: from Photophysics to Catalysis	Prof. Natalia B. Shustova	All	8600, C-156
9:40 a.m. – 10:20 a.m.	Advanced Porous Framework Materials for the Immobilization of Biomolecules: Beyond Host Matrix Materials	Prof. Shengqian Ma	All	8600, C-156
10:20 a.m. – 10:40 a.m.	Break	Cheng Li	All	8600, C-156
10:40 a.m. – 11:20 a.m.	TBD	Prof. Craig Brown	All	8600, C-156
11:20 a.m. – 11:40 a.m.	MOF- Textile Composites for Chemical Protection and Mechanistic Studies	Prof. Dennis Lee	All	8600, C-156
11:40 a.m. – 12:00 p.m.	Microbial Dynamics at Oil-Water Interface	Prof. Tagbo Niepa	All	8600, C-156
12:00 p.m. – 12:20 p.m.	Fiber and Flat Sheet Adsorbents Designed by Hierarchical Pores and Amine Functionalities	Dr. Ali Sekizkardes	All	8600, C-156
12:20 p.m. – 1:15 p.m.	Working Lunch: How to Write a Proposal	Janell Thomson	All	8600, C-156
1:15 p.m. – 2:15 p.m.	Discussion Session: Brainstorming, Collaboration, Feedback and Future Workshop Ideas	NSD staffs	All	8600, C-156
2:15 p.m. – 2:30 p.m.	Travel to Oak Ridge Leadership Computing Facility at Main Campus	Cheng Li Erin S. Webb Tiffany Payne	All	

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2:30 p.m. – 3:15 p.m.	Tour of Oak Ridge Leadership Computing Facility (OLCF) or Center for Nanophase Materials Sciences (CNMS)	Cheng Li	All	5600, 5700, 5800
3:15 p.m. – 3:30 p.m.	Travel to SNS	Cheng Li Erin S. Webb Tiffany Payne	All	
3:30 p.m.	Adjourn	All	All	