

Great Lakes Microscopy Society Annual Meeting, 7 October 2025

8:00 – 8:45 **Registration & Check-in with Coffee/Breakfast**

8:45 – 8:50 **Introductions & Meeting Program Overview** (Dr. Tao Ma, GLMS President)

8:50 – 9:00 **Welcoming Remarks** (Dr. Amit Misra, Director of Michigan Materials Research Institute (MMRI) and Michigan Center for Materials Characterization (MC)²)

Session 1, Physical Sciences: session chair = Dr. Alyssa Fielitz, Dow

9:00 – 9:35 **Invited GLMS Speaker:** *Electron Videography and its Automation of Soft and Rare Materials* (Dr. Qian Chen, UIUC)

9:35 – 10:10 **Invited MAS Student Tour Speaker:** *The Role of Thermal History on Microstructural Evolution in 316L Stainless Steel Formed via Laser Powder Bed Fusion* (Justin Warner, MITech)

10:10-10:30 **Break**

10:30-10:45 **Student Platform Talk:** *Stoichiometry Recovery via Fused Multi-Modal Electron Tomography* (Jason Manassa, University of Michigan)

10:45 – 11:00 **Student Platform Talk:** *Circularly Polarized Light Emission from Chiral Hedgehog Particles Coated with Nanofilms of Achiral Perovskites* (Michael Veksler, University of Michigan)

11:00 – 11:15 **Student Platform Talk:** *Unconventional Lattice Reconstruction in Twisted Multilayer CrI₃* (Nishkarsh Agarwal, University of Michigan)

11:15 – 11:30 **Vendor Platform Presentation:** *New Developments in Atomic Resolution Field-Free S/TEM* (Dr. Thomas Isabell, JEOL)

11:30 - 12:30 **Lunch Break & GLMS Society Business Meeting** (GLMS Board)

12:30 – 2:00 **Poster session & Vendor Showcase, Optional MC² tours**

Session 2, Life Sciences: session chair = Dr. Jing Liang, University of Michigan

2:00 – 2:35 **Invited MSA Tour Speaker:** *Driving Biological Imaging Through Core Facility: From 2D to 3D* (Dr. Alice Liang, NYU)

2:35 – 3:10 **Invited MAS Tour Speaker:** *Don't Call It A Comeback: High Pressure Freezing Has Been Here for Years!* (Dr. Jotham Austin, University of Chicago)

3:10 – 3:30 **Break**

3:30 – 3:45 **Student Platform Talk:** *Exploration of Sex-Based Differences in Pulmonary Fibrosis* (Batoul Chalhoub, University of Michigan-Dearborn)

3:45 – 4:00 **Student Platform Talk:** *Endothelialization of Deep Vein Stents by Scanning Electron Microscopy* (Oscar Moreno, University of Michigan)

4:00 – 4:15 **Student Platform Talk:** *Pharmacological Inhibition of Protein Kinase CK2 Rescues Neuron-Glia Dysfunction and Alleviates Striatal Pathology and Motor Deficits in a Mouse Model of Huntington's Disease* (Ross Pelzel, University of Minnesota)

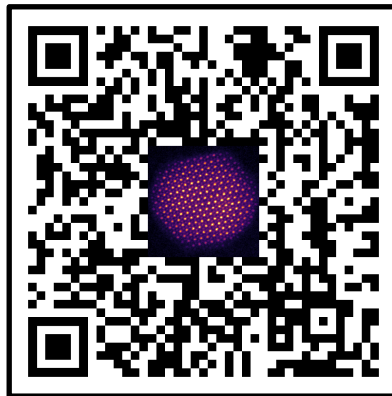
4:15 – 4:30 **Vendor Platform Presentation** *Large-Format, Direct Detection Camera for 80-200 keV Cryo-EM Imaging* (Dr. Stephen Mick, Gatan)

4:30 – 4:50 **Awards Presentation** (Dr. Ellen Keene, GLMS Program Chair)

4:50 - 5:00 **Wrap-up/Closing Remarks** (Dr. Tao Ma, GLMS President)



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GLMS open election