

9th Annual Midwest Microscopy and Microanalysis Workshop

Monday, May 6th, 2024

B01 McCourtney Hall

Agenda

8:30-8:40 opening remarks

8:40- 9:10 **Katharine White**, *Assistant Professor*, Chemistry and Biochemistry

Characterizing Intracellular pH Heterogeneity in Normal Biology and Disease

9:10- 9:40 **Gabriel Burks**, *Assistant Professor*, Chemical and Biomolecular Engineering

Hydrodynamically Controlled Liquid Phase Electron Microscopy for Nanoscale Investigation of Soft and Hard Materials

9:40- 10:10 **Laurie Littlepage**, *Associate Professor*, Chemistry and Biochemistry

Imaging in Endocrine Therapy Resistance in Breast Cancer

10:10-10:20 Break

10:20-10:50 **Matthew Webber**, *Associate Professor*, Chemical and Biomolecular Engineering

Investigations into Supramolecular Assembly of Short Peptides for Therapeutic Delivery

10:50-11:10 **Khachatur Manukyan**, *Associate Professor*, Physics and Astronomy

High-resolution Electron Microscopy for Heritage Science

11:10-11:40 **Mohamed El Gazzah**, *Nimal Ghimire Lab*, Physics and Astronomy

Engineering Topological Spin Textures in Kagome Magnets

11:40-noon **Alex Sheardy**, *Alex Mukasyan Lab*, Chemical and Biomolecular Engineering

Mapping the Hybridization of Carbon via STEM-EELS

noon-12:20 **Hailey Sanders**, *Bradley Smith lab*, Chemistry and Biochemistry

Fluorescent Microscopy of Multicellular Tumor Spheroids

12:20-12:30 Imaging Award Presentation of Certificates and Gift

12:30-12:45 Best Publication Imaging Award Presentation

Jarek Metro, *Paul Bohn Lab*

12:45-1:00 Best Publication Imaging Award Presentation

Kevin Armknecht, *Prakash Nallathamby Lab*

1:00-2:00 Networking Reception



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