

8th Annual Midwest Microscopy and Microanalysis Workshop

Thursday, May 11th, 2023

B01 McCourtney Hall

Agenda

8:50-9:00 opening remarks

9:00- 9:30 **Katrina Adams**, Assistant Professor, Biological Sciences

Investigating neural stem cell dynamics in the healthy and injured brain

9:30- 10:00 **Meenal Datta**, Assistant Professor, Aerospace and Mechanical Engr

A window into cancer:intravital imaging applications in mouse models

10:00- 10:30 **Yichun Wang**, Assistant Professor, Chemical and Biomolecular Engr

Chiral Graphene Nanoparticles and Their Applications in Imaging and Therapy

10:30-10:40 Break

10:40-11:00 **Thanh Khoa Nguyen**, Rebecca Wingert Lab

Investigating prostaglandin biosynthesis as a potential treatment for renal cilia defects using emx2-deficient zebrafish embryonic model

11:00-11:20 **Hannah Tanczos**, Zach Schafer Lab

Investigating the causes and effects of lysosomal membrane permeabilization in extracellular matrix-detached cells

11:20-11:40 **Connor Evans**, Ryan Roeder Lab

Spectral Photon-Counting Computed Tomography Transforms CT from Anatomic to Molecular Imaging

11:40-noon **Yansong Li**, Chris Hinkle Lab

Growth of Cobalt-containing compounds for Back-End-of-Line Interconnects

noon-12:20 **Subash Gamage**, Smith lab

Next Generation Heptamethine Cyanine Dyes for Bioconjugation and Near-Infrared Fluorescence Imaging of Cancer

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

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

Alyssa La Bella, Ana Flores Mireles Lab

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

Robert Neal, Svetlana Neretina Lab

1:00-2:00 Break

2.00-3:00 pm **Plenary Speaker, Philip Low (Purdue University)**

Ralph C. Corley Distinguished Professor of Chemistry - Biochemistry

Speaker sponsored by Warren Drug Discovery

