



Mary-Ann Mycek, Ph.D.

William and Valerie Hall Department Chair of
Biomedical Engineering
Professor of Biomedical Engineering
College of Engineering & Medical School
University of Michigan

[Website](#) | [Linkedin](#) | [Contact](#)

Date	Friday, October 31, 2025
Time	12:00 to 1:00 PM
Location	SEC 203

Title: Optical Diagnostics for Pancreatic Disease
Detection

Abstract: Prof. Mary-Ann Mycek's research program in biomedical photonics involves developing and applying methods of optical science and engineering to probe and quantify the living systems found in biology and medicine. This presentation will describe a multidisciplinary, translational research project employing clinical optical diagnostic technologies and computational modeling of light propagation in human tissues for improved detection of pancreatic disease.

Bio: Mary-Ann Mycek is the William and Valerie Hall Department Chair of Biomedical Engineering in the College of Engineering and Medical School at the University of Michigan. She is also a Professor of Biomedical Engineering, as well as a member of the Applied Physics Graduate Program and the Michigan Center for Integrative Research in Critical Care.

She received her Ph.D. in Physics from U.C. Berkeley, where she specialized in condensed matter physics and ultrafast optical spectroscopy, before pursuing postdoctoral training in laser medicine at Massachusetts General Hospital and Harvard Medical School. She was an Assistant Professor of Physics & Astronomy at Dartmouth College before joining the University of Michigan. Her translational research program in biomedical photonics involves using light for non- and minimally invasive tissue diagnostics.