

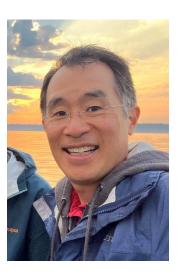


Bioengineering Colloquium

Highlight Seminar

Thursday, October 24, 2024

4:00pm - 5:00 pm Location: Louis A Simpson A71



Christopher Fang-Yen, Ph.D. Professor of Biomedical Engineering Ohio State University

Optical Dissection of Brain and Behavior in a Worm

A fundamental goal of neuroscience is to understand how neural circuits create behavior. The model roundworm *C. elegans*, with its compact and well-mapped nervous system, genetic manipulability, and optical transparency, is an excellent candidate for developing a detailed mechanistic understanding of a nervous system. I will describe my lab's experimental and computational efforts to decipher the neural circuits underlying its coordinated locomotor behaviors. I will also discuss our development of robotic and microfabricated tools for automation of *C. elegans* research.