

SEMINAR

Indiana CTSI Access Technology Program presents:

“Light-Sheet Technology and Applications”

Christopher English, PhD
Bruker Nano Surfaces

Hosted by: Notre Dame Integrated Imaging Facility
Sara L. Cole, PhD, Optical Microscopy Core Program Director
University of Notre Dame

Friday, April 23
12:00 pm – 1:00 pm

Please register to receive the ZOOM meeting link:

https://redcap.link/CTSI_Technology_Seminar

Description: Light-sheet fluorescence microscopy (LSFM) enables large-scale, three-dimensional imaging at high imaging speeds with less phototoxicity and photobleaching. The Bruker MuVi microscope provides flexible illumination and detection configurations suitable for imaging samples from fields as diverse as cell and developmental biology, neuroscience, oncology, and plant research. In this presentation, you can expect to learn the advantages of light-sheet fluorescence microscopy and how this technique can be adapted to image a variety of live, fixed or cleared samples.

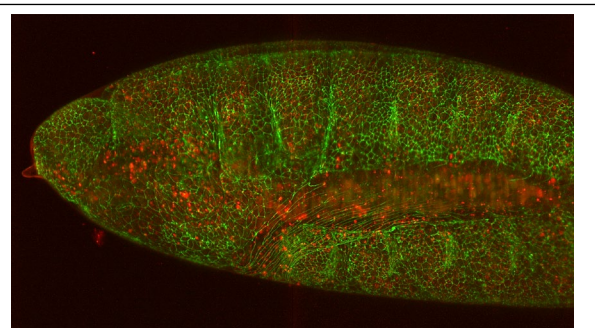


Image (z-projection) of a transgenic drosophila embryo expressing GFP- and mCherry-tagged proteins. Image courtesy of Vijay Kumar Naidu Velagala, a graduate student in the lab of Dr. Jeremiah Zartman. This material is based upon work supported by the National Science Foundation under Grant # CBET-1553826 and CBET-1919832 (PI, J.Zartman).

Disclosure Summary

The Access Technology Program provides investigators access and guidance in using novel technologies and Core Services. Services and views presented belong solely to the vendor; they do not necessarily reflect the views of the Indiana CTSI, Indiana University, Purdue University or University of Notre Dame.