SEMINAR

Indiana CTSI Access Technology Program presents:

“Untapped potential in IU Bloomington Light Microscopy Imaging Center”

Speaker: Andras Kun, PhD, LMIC Core Manager

Hosted by: Light Microscopy Imaging Center (LMIC)
Sidney L. Shaw PhD, director
IU Bloomington

Friday, May 26
12:00 pm – 1:00 pm

Please register to receive the ZOOM meeting link:
https://iu.zoom.us/meeting/register/tZcof-GrqDwtH9FD6ZcM0oVnl9-43j05Rpli

Description: The Light Microscopy Imaging Center (LMIC) provides user-friendly access to state-of-the-art light microscopy for the IU research community. The LMIC promotes the development of researchers that are knowledgeable, confident, and comfortable in the use of microscopes. The facility's instrumentation ranges from stereomicroscopes to super-resolution systems and is primarily focused on life-sciences specimens. Available equipment includes primarily inverted platforms for fluorescence imaging including Spinning-Disk confocal, laser-scanning confocal, structured illumination, TIRF, and fluorescence lifetime imaging with modules for FRET and other live-cell methods. The LMIC offers hands-on training for users and after-hours access for trained research personnel. In this seminar, you will learn about the system that is best suited for your experiments, why using confocal instead of wide-field fluorescence is not necessary, and when it becomes the only option. We will also discuss when to utilize super-resolution microscopy or time-resolved lifetime imaging. Additionally, we will explore techniques that provide complementary results and discover how to obtain the best image with more reliable data.

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.

Access Technology Program
Indiana Clinical and Translational Sciences Institute