

Biological Microscopy Colloquium

The Biological Microscopy Colloquium is a semester-long lecture series that provides an informal setting for life scientists to learn about how the microscopy technologies available at Purdue can be successfully applied to their own biological research. Lectures are accessible to all academic levels with emphasis on applications and technical considerations.

Location:

*Burton D. Morgan Center for Entrepreneurship, Room 121
Refreshments provided*

Super-Resolution Light Microscopy - February 20th, 3 pm

Standard fluorescent probes can now be visualized without specialized sample preparation at 20-100 nm resolutions using SIM and STORM microscopy.

- Presented by Dr. Aaron Taylor

Correlative Light-Electron Microscopy - March 20th, 3 pm

A number of techniques can be used to fuse light and electron microscopic images to create a multi-scale image spanning the 200-0.2 nm resolution range.

- Presented by Dr. Chris Gilpin

Microscopy to Measure Biophysical Properties - April 10th, 3 pm

Light microscopy can be used to measure biophysical properties such as diffusion constants and binding kinetics at the single molecule or population level in living cells.

- Presented by Prof. Joseph Irudayaraj

