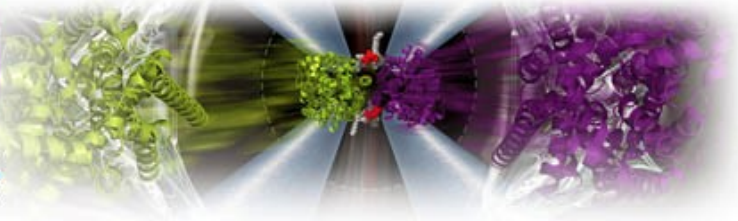


BPS19

63RD ANNUAL MEETING OF THE BIOPHYSICAL SOCIETY

BALTIMORE, MARYLAND • MARCH 2–6, 2019



Sunday, March 3

9:30 am – 11:00 am

Room 303

Mizar Imaging

TILT – HIGH-RESOLUTION LIGHT SHEET IMAGING

Mizar Imaging is proud to introduce the Tilt, the first high-resolution light sheet imaging system that is a simple add-on to most inverted microscopes. When installed on your microscope, the Tilt does not interfere with any existing modalities so you can easily add the Tilt to an inverted microscope, including a TIRF or Spinning Disc confocal microscope system, to add the ability to do long term live cell imaging with the lowest possible photobleaching and phototoxicity.

The Tilt is well-suited to image both larger organisms, such as *C. elegans*, *Drosophila*, *Danio rerio* and other similar model organisms as well as imaging high-resolution intracellular dynamics inside single cells. This remarkable diversity is realized because the Tilt can work with any objective on your microscope – from 20x through 150x. There is no limit to what you can do with the Tilt.

The key benefit of light sheet imaging is significantly reducing the photobleaching and phototoxicity of your sample. The Tilt is no exception. When imaging with the Tilt, cells can be kept alive for hours and even days. This is aided by an optional incubation chamber for the Tilt, which allows for precise control of temperature (heating and cooling available), CO₂ and humidity.

The Tilt light-sheet imaging system is the ideal solution for long-term live-cell imaging of a wide array of samples with the added benefit of being a simple, low cost add-on to an existing inverted microscope.

Speaker

Chris Baumann, Sales and Product Manager, Mizar Imaging