



Sunday, February 16

9:30 AM – 11:00 AM

Room 33A

Mizar Imaging

Tilt – A New Angle on Light Sheet Imaging

Mizar Imaging is proud to introduce the Tilt, the first light sheet imaging system that is a simple add-on to most inverted microscopes. The key benefit of light sheet imaging is significantly reducing the photobleaching and phototoxicity of your sample and the Tilt excels at this. 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.

When installed on your microscope, the Tilt does not interfere with any existing modalities so you can easily add the Tilt to an existing 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*, zebra fish and other similar model organisms as well 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. This makes the Tilt the only light sheet imaging system that can use high NA/high magnification objectives such as high resolution 60x and 100x objectives. There is no limit to what you can do with the Tilt.

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

Paul Maddox, Founder & President, Mizar Imaging