Bring you up to data for your sample's sake – TruLive3D Imager

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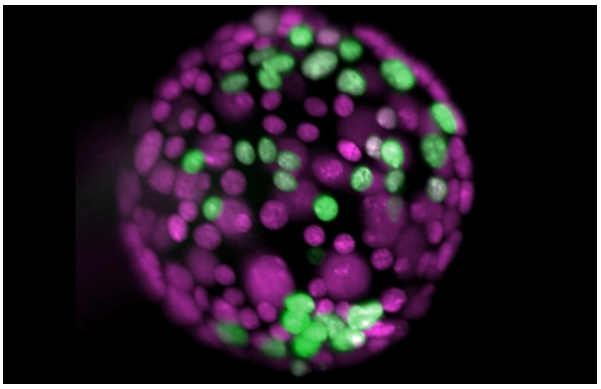
Abstract

Light-sheet fluorescence microscopy (LSFM) is a state-of-the-art imaging method to address a wide variety of biological questions. Luxendo, a Bruker Company, has developed multiple light-sheet platforms to image a variety of samples with specific requirements. In this workshop, we will focus on the TruLive3D Imager our inverted SPIM microscope; a light-sheet microscope optimized for long-term 3D imaging of multiple delicate samples.

TruLive3D Imager features 3D imaging of live samples at subcellular resolution. For statistical relevance, multiple experiments can run in parallel using up to six separate sample chambers. The optical performance combined with fast acquisition in two spectral channels makes the TruLive3D Imager perfectly suited for in toto imaging of a large variety of samples, especially if they are sensitive and need precisely controlled incubation conditions. TruLive3D Imager enables researchers to image numerous samples at sub-cellular resolution for days without the photobleaching or phototoxicity that plagues standard imaging techniques like laser scanning confocal or spinning disk confocal.

In this workshop, we will showcase our latest iteration of inverted Light-Sheet microscopes for live imaging, the TruLive3D Imager - featuring long-term live imaging of delicate 3D samples at subcellular resolution.

Come and learn what pure, live imaging can do for your research.



Ashna Alladin et. al. (2020) *Tracking cells in epithelial acini by light sheet microscopy reveals proximity effects in breast cancer initiation* eLife 9:e54066