Lifetime Images > 1s

Lifetime Images > 1s: The Lambert Instruments Fluorescence Lifetime Imaging Attachment, LIFA, is a dedicated system that allows image acquisition and generation of lifetime images. FLIM (Fluorescence Lifetime Imaging Microscopy) is mostly used in combination with FRET to study protein interactions in living cells, and can also be used for measuring local ion concentrations. The system can be attached to any wide field fluorescence microscope, easy to install and to operate. It uses modulated LED's or laser diodes. The LIFA can be combined with confocal imaging techniques, such as multi-beam confocal microscopy (e.g. Nipkov Disk) and with TIRF, allowing an increased contrast and 3D lifetime data.

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