Measurement Hardware / Instrumentation

Spectroscopy

Fluorescence Lifetime Measurements

Time-Resolved Fluorescence Anisotropy Measurements

Time Resolved Emission Spectra (TRES)

Measuring the Quantum Yield with the integrating Sphere assembly for the FT300

EasyTau Scripts

Some origins of multiexponetial decays for pure dyes

Microscopy

Quick Reference for Confocal Time-resolved Microscopy (FLIM, FRET, FCS) - Poster (pdf format)

Fluorescence and fluorescence microscopy by Nico Stuurman

Confocal microscoy and optical sectioning by Kurt Thorn

Beampath of the Zeiss LSM880

How to check the overlap of different color confocal volumes

Determination of the focal width with the focal width analysis

Two Photon Microscopy (TPM, TPE) by Kurt Thorn

Advantages and disadvantages of Two Photon Excitation (TPE)

How to measure the Instrument Response function (IRF)

FLIM Measurement using a Nikon A1 with a FLIM and FCS upgrade

Recording a Fluorescence Lifetime Image (FLIM) Stack with a LSM Upgrade Kit on a Nikon A1

FLIM-FRET Measurement using an Olympus FV1200 with a FLIM and FCS upgrade

Performing an FCS measurement with an Olympus FV1200 upgrade kit

How to exchange the main dichroic of the MicroTIme 200.

Photon antibunching measurements

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