

## Applications

### Fluorescence Lifetime

[Lifetime Fitting](#)

### Fluorescence Lifetime Imaging Microscopy (FLIM)

[FLIM by Philippe Bastiaens](#)

[How to measure the Instrument Response function \(IRF\)](#)

[Lifetime fitting Using the FLIM analysis software](#)

[ROI fitting using FLIM analysis software](#)

[FLIM-FRET Calculation for Single Exponential Donors](#)

[FLIM FRET Calculation for Multi Exponential Donors](#)

[Visualizing Dynamics with the Multi Frame FLIM Analysis](#)

### Förster Resonance Energy Transfer (FRET)

[Calculate ratiometric FRET-Images](#)

[Calculate ratiometric single pair FRET distributions](#)

[Calculate ratiometric single pair FRET distributions using Pulsed Interleaved Excitation \(PIE\)](#)

[FLIM-FRET calculation for single exponential donors](#)

[FLIM FRET calculation for multi exponential donors](#)

### Fluorescence Correlation Spectroscopy (FCS)

[A short introduction to FCS with suggestions for further reading](#)

[Performing an FCS Measurement with an Olympus FV1200 upgrade kit](#)

[Calculate and fit FCS curves](#)

[Calibrate the confocal volume using the FCS calibration analysis](#)

[Dual Focus FCS \(2fFCS\)](#)

[Remove spectral crosstalk in dual color FCCS via FLCCS](#)

Separation of 2 species with different lifetimes using FLCS

Photon antibunching measurements

## Single Molecule Detection (SMD)

Intensity Time Trace Analysis

Calculate ratiometric FRET-Images

Calculate ratiometric single pair FRET distributions

## Anisotropy

Static anisotropy analysis for images

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