

There and back again: the (surprisingly quick) path to quantitative fluorescence lifetime imaging results

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Abstract

Join us for an easy to follow discussion of quantitative fluorescence lifetime imaging (FLIM) experiments, elevating FLIM to more than an image contrast modality. Different key applications of this technique will be discussed, with a focus on the peculiarities of the associated experiments. A special focus is put on FLIM in metabolic imaging for cancer detection and as a tool to measure disease progression and drug efficacy. The associated data analysis is demonstrated in a straightforward, step-by-step fashion. Naturally, the data analysis process discussed here can be applied to all other FLIM applications as well. This tutorial-style presentation is designed for both current and prospective FLIM practitioners, highlighting how the basic principles of experiment and analysis chart the path to the best possible results. With 30 years of active development of the technique under our belt, Becker&Hickl is in the unique position to tie all the ends together. Join us to deepen your understanding of the entire FLIM ecosystem and how to take your own research to the next level.

Questions and comments are welcome at our booth in the exhibition at any time as well. Come to see a macroscopic FLIM setup in action.

