



# 8th European Workshop on Advanced Fluorescence Methods

(Co-organised with CeNS)

## December 9-13, 2024

### LMU, HighTechCampus, Großhadern

The Institute of Physical Chemistry at LMU Munich, SFB 1032 and the Centre for NanoScience (CeNS) are organizing the workshop on advanced concepts in fluorescence imaging and spectroscopy.

### Topics on the agenda range from single molecules to live cells and includes:

*Single molecule FRET, Fluorescence Correlation Spectroscopy (FCS), Imaging Correlation Spectroscopy (ICS, RICS,...), Number and Brightness Analysis (N&B, PCH), time resolved fluorescence (both lifetime and Phasor approaches), Single Particle Tracking (SPT) in three dimensions, ...*

### The workshop consists of:

- Theoretical lectures given by experts in the fields, among others :
  - Prof. Michelle **Digman** (UC Irvine, US),
  - Prof. Laura **Estrada** (Ciudad Universitaria, ARG),
  - Prof. Nikos S. **Hatzakis** (University of Copenhagen, DK),
  - Prof. Jelle **Hendrix** (University of Hasselt, BE),
  - Dr. Felix **Koberling** (PicoQuant GmbH, DE),
  - Prof. Philip **Tinnefeld** (LMU, Munich)
  - Prof. Paul W. **Wiseman** (McGill University, CA) and
  - Prof. Don C. **Lamb** (LMU, Munich)
- Practical training:
  - ◆ Computer based training on data analysis and simulations, underscoring what has been taught during the lectures
  - ◆ Hands-on laboratory training using the fluorescence microscopy instrumentation of the LMU (limited availability, applications will be honored in order of arrival)

Applications until November 15<sup>th</sup>, 2024 under:

<http://www.cup.lmu.de/pc/lamb/workshop/index.html>

