

The following list shows in which hands-on session slot spaces are still available for which topic (as of 05. February 2024).

### Session 1, Tuesday, 27. Feb. 13:30-16:00

N11-2: How to compute fluorescence lifetime photon-by-photon using a cuvette-based optical system

N15-1 Introduction to Frequency Domain FLIM and FRET

N19-1 Widefield FLIM - Frequency Domain Fluorescence Lifetime Imaging for Widefield Microscopy

N20-1 FLIM-FRET measurements in plant tissue

N21-1 Label free wide-field metabolic imaging of NADH and FAD

CF43-2 Separation of fluorochromes in the same spectral channel with FLIM in confocal and STED

### Session 2, Tuesday, 27. Feb. 16:30-19:00

N11-1: Analyzing data with FLIMfit

N16-1 Video-rate volumetric FLIM with Nanosecond pixel dwell time (SLIDE)

N20-1 FLIM-FRET measurements in plant tissue

N21-1 Label free wide-field metabolic imaging of NADH and FAD

### Session 3, Wednesday, 28. Feb. 9:30-12:00

N13-1 Metabolic FLIM (NADPH) and oxygen dependent PLIM

N15-1 Introduction to Frequency Domain FLIM and FRET

CuP1: Fluorescence lifetime imaging of viral particles and nanocarriers using the phasor approach

### Session 4, Wednesday, 28. Feb. 13:00-15:30

N11-2: How to compute fluorescence lifetime photon-by-photon using a cuvette-based optical system

N16-1 Video-rate volumetric FLIM with Nanosecond pixel dwell time (SLIDE)

N19-1 Widefield FLIM - Frequency Domain Fluorescence Lifetime Imaging for Widefield Microscopy

N21-1 Label free wide-field metabolic imaging of NADH and FAD

CF43-2 Separation of fluorochromes in the same spectral channel with FLIM in confocal and STED

CF44-2 Studying Biosensing via lifetime: From TauSense to FALCON

### Session 5, Wednesday, 28. Feb. 16:00-18:30

N13-1 Metabolic FLIM (NADPH) and oxygen dependent PLIM

CuP1: Fluorescence lifetime imaging of viral particles and nanocarriers using the phasor approach

MPI2: Sub-resolution spatial information from FLIM

## Session 6, Thursday, 29. Feb. 9:30-12:00

N13-1 Metabolic FLIM (NADPH) and oxygen dependent PLIM

CuP2: Structural Biology with a FLIM Microscope Using Graphene Near Field Quenching

MPI1: Lifetime-based Imaging of Order Heterogeneity in in vitro membrane systems