

Workshops

#	topic	abbreviation	title
1	Bioimage analysis	SOFT-MLDL	How Machine Learning and Deep Learning Tools help Image Acquisition and Analysis Workflows Design? Hands-on Session: Exploring and Combining Open Source and Commercial Software Solutions.
2	Bioimage analysis	SOFT-CLIJ	Bio-Image analysis Open Space (BIOS) – a temporary core facility and open coworking space for TIM2022
3	Bioimage analysis	SOFT-APEER	Bridging open-source and commercial software for integrated Machine-Learning and BioImage Analysis workflows
4	CLEM	CLEM	Connecting the best of both worlds - Workshop for the basics of correlative light and electron microscopy (CLEM)
5	CLEM	CONFNL-CLEM	Laid-back CLEM
6	Data handling	SOFT-OME	Imaging workflows in OMERO
7	Data handling	SOFT-OMEZARR	How to handle big imaging data in the cloud
8	Data handling	SOFT-COMPRESS	Workshop on quantification of the effect of image compression on supervised learning applications in optical microscopy
9	Data handling	SOFT-3Dscript	Creating 3D animations of multi-dimensional microscopy images interactively and in batch from remote with 3Dscript
10	Education & outreach	CAMERAS	Digital cameras – Theory and Technology
11	Education & outreach	AXLSM-NBODIES	Nanobodies - DIY Probes for Customized Labelling
12	Education & outreach	CONFNL-QUALITY	How to measure chromatic aberration and will it affect my colocalization experiments?
13	Education & outreach	OUTREACH	BioDIP at School - A guideline for microscopy projects with kids
14	Education & outreach	SCANHEAD	How does a confocal scan head actually looks like inside?
15	Feedback microscopy	AXLSM-SMART	Find and analyse μm structures in a fish whole mount: Feedback microscopy on Nikon's Large Field of View Confocal AX
16	Feedback microscopy	FV-PQ-SMART	Design and operation of Adaptive Feedback Microscopy experiments
17	Infrared techniques	FLUCS	FLUCS (Focused Light-Induced Cytoplasmatic Streaming) – a new method for non-invasive induction of intracellular flow to investigate physical principles of cell organisation
18	Infrared techniques	SWIR	Short-wave Infrared (SWIR) Intravital Microscopy
19	Lifetime techniques	FALCON-DYSESP	Fluorescence Lifetime Imaging Microscopy in research, a guide from F to M
20	Lifetime techniques	FV-PQ-FRET	In planta FLIM FRET measurements for the detection of protein-protein interactions
21	Lifetime techniques	LINCam	Wide-field single photon counting FLIM
22	Lifetime techniques	FLIM-PLIM	Luminescence lifetime imaging: from basic to advanced applications.
23	Lifetime techniques	FLIM-SCAN	Whole Slide Imaging (WSI) in life science applications using multi-photon and FLIM microscopy
24	Lifetime techniques	FV-PQ-Gravikit	GraviKit and AuxSen: giving the power of vertical plant microscopy to every lab
25	Lightsheet microscopy	FLAMINGO-FISH	Hands-on light sheet microscopy with Flamingo, the shareable custom research microscope platform
26	Lightsheet microscopy	FLAMINGO-ORGANO	Overcoming challenges of segmenting and tracking single cells in organoids using the stochastic breast tumor induction model for light sheet microscopy
27	Lightsheet microscopy	LLS7-ORGANELLE	3D multicolor imaging of rapid subcellular dynamics using lattice light sheet
28	Lightsheet microscopy	LLS7-VIRUS	Lattice lightsheet imaging and downstream analysis of virus particle dynamics in infected cells
29	Single molecule tracking	TWEEZER	Single-molecule imaging of DNA-binding proteins and quantification of their dynamics and binding kinetics: Method and data analysis
30	Single molecule tracking	VUTARAPAIN	Single molecule localization and tracking microscopy in living cells
31	Super-resolution	CONFNL-SUPRES	confocal / super resolution imaging with very low laser power
32	Super-resolution	FALCON-EXPANSION	Super resolution imaging achieved by specimen expansion and optical sectioning microscopy
33	Super-resolution	CODIM	LiveCODIM: From widefield to super-resolution on the bench-top
34	Super-resolution	ABBE-MINFLUX	Bio-imaging at molecular scales with 2D and 3D MINFLUX nanoscopy
35	Super-resolution	VUTARA-DNAPAIN	Introduction and practical applications of DNA-PAINT
36	Super-resolution	ABBE-LIVE	Dual-colour STED imaging in living cells
37	Super-resolution	ABBE-TISSUE	STED microscopy of tissue sections