

2-photon microscopy Summer School



July 9-10, 2024



Verona, Italy

Turnkey & Compact
Acousto-Optic
2-Photon Microscope
By FEMTONICS



PROGRAM

July 9

9:30 - 10:00
FEMTO LAB Opening
Francesco Girardi, PhD

10:00 - 10:30
Neuroscience, Illuminated. Femtonics,
forming the future of neuroscience
Zsolt Iván, PharmD.

10:30 - 11:00
Coffee break

11:00 - 11:30
in vivo and *ex vivo* 2P-LSM to study Glia-Neuron
functional interactions
Gabriele Losi, PhD

11:30 - 12:00
Stimulation of cortical neurons *in vivo*
by photosensitive nanoparticles
Elisabetta Colombo, PhD

12:00 - 14:00
Lunch break

14:00 - 16:15
Parallel sessions
Live demo & presentations

July 10

9:30 - 10:00
FEMTO LAB Opening
Balázs Rózsa, MD, PhD

10:00 - 10:30
Immune cell infiltration in the central
nervous system and neurodegenerative conditions
Elena Zenaro, PhD

10:30 - 11:00
Coffee break

11:00 - 11:30
Combine experimental modelling studies
Neuronal functions
Prof. Egidio Ugo D'Angelo

11:30 - 12:00
Anatomical and functional two-photon imaging in
in vivo and *ex vivo* models
Sebastian Sulis Sato, PhD

12:00 - 14:00
Lunch break

14:00 - 16:15
Parallel sessions
Live demo & presentations

Parallel session topics

in vivo demo with FEMTO3D Atlas Plug & Play
Femtonics Team

Label-free live-imaging
Media System Lab Team

Electron Microscopy
Media System Lab Team

in vitro demo with FEMTO3D Atlas Plug & Play
Femtonics Team

The bright future of Fluorescence Lifetime
Analysis
Media System Lab Team

Collaboration Round Table
Femtonics Team