

# 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**