

School of Medicine and Surgery
Department of Clinical and Biological Sciences
University of Torino, Italy

DCB

Elective Didactic Activity (Free Webinars)

9th Workshop of

Advanced Microscopy Techniques for Biomedical Applications

22/05/2020

15:30 - 17:30 - Prof. Saverio Francesco Retta (University of Torino)

Advanced Fluorescence Microscopy Techniques: Basic principles, "F" techniques (FRET, FRAP, FLIP), Total Internal Reflection Fluorescence Microscopy (TIRFM)

25/05/2020

09:00 – 10:15 - Dr. Alessandro Cometta (Carl Zeiss Microscopy, Milano)

Conventional fluorescence microscopy with structured light (Apotome),

Confocal Laser Scanning Microscopy (CLSM), Multiphoton Microscopy (MPM),

Light Sheet Fluorescence Microscopy (LSFM), Super-Resolution Microscopy (SR-SIM -

10:30 – 11:45 - Dr. Francesco Biancardi (Carl Zeiss Microscopy, Milano)

Move beyond the limiting boundaries of a single microscopy technique:

Correlative Light-Electron Microscopy (CLEM)

12:00 – 13:00 - Dr. Soren Prag (Carl Zeiss Microscopy, Berlin)

The Smart Microscope for Automated High-Throughput Live Cell Imaging

26/05/2020

09:00 - 10:15 - Dr. Enrica Boda (NICO, Torino)

PALM - STORM - STED - GSD)

Oligodendroglia heterogeneity in physiology and pathology: a confocal study in vivo and in vitro

10:30 - 11:45 - Dr. Valentina Cerrato (NICO, Torino)

In vivo clonal analyses to study the ontogenesis of cerebellar astrocytes: from confocal microscopy to automatic segmentation and 3D mapping

11:50 – 13:00 - Dr. Elisa De Luca (Center for Biomolecular Nanotechnologies, Lecce)
Nanoscopic fluorescent imaging: breaking the diffraction barrier with SR microscopy

Organized by Prof. Saverio Francesco Retta, Dep. of Clinical and Biological Sciences, UniTo For registration and information, please contact andrea.perrelli@unito.it. Participation is free