



# 10th Workshop of Advanced Microscopy Techniques for Biomedical Application

**25 May 2021**

**Department of Clinical  
and Biological Sciences  
University of Torino, Italy**

Elective Didactic Activity  
(Free Webinars)

Live webinars organized by  
Prof. Saverio Francesco Retta

For information and  
registration, please contact:  
[andrea.perrelli@unito.it](mailto:andrea.perrelli@unito.it)



**9:30-10:00 Prof. Francesco Retta (DSCB, UniTo)**  
Introduction

**10:00-11:00 Dr. Souvik Kar (INI, International  
Neuroscience Institute, Hannover, Germany)**  
Immunohistochemical investigation of human  
brain tumors and cerebrovascular diseases

**11:00-12:00 Dr. Elisa De Luca (IIT - Center for  
Biomolecular Nanotechnologies, Lecce, Italy)**  
Fluorescence Nanoscopy: breaking the diffraction  
barrier for biomedical imaging

**12:00-13:00 Dr. Valentina Cerrato (NICO, UniTo)**  
*In vivo* clonal analyses to study the ontogenesis of  
cerebellar astrocytes: from confocal microscopy  
to automatic segmentation





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**10:00-11:00 Dr. Cesare Covino (ALEMBIC –  
Advanced Light and Electron Microscopy  
Bio-Imaging Center, HSR, Milano, Italy)**

Advanced Light Microscopy: the state-of-the-art of  
Bio-Imaging by Single- and Two-Photon Microscopy

**11:00-12:00 Dr. Desirée Zambroni (ALEMBIC  
Microscopy Facility, HSR, Milano, Italy)**

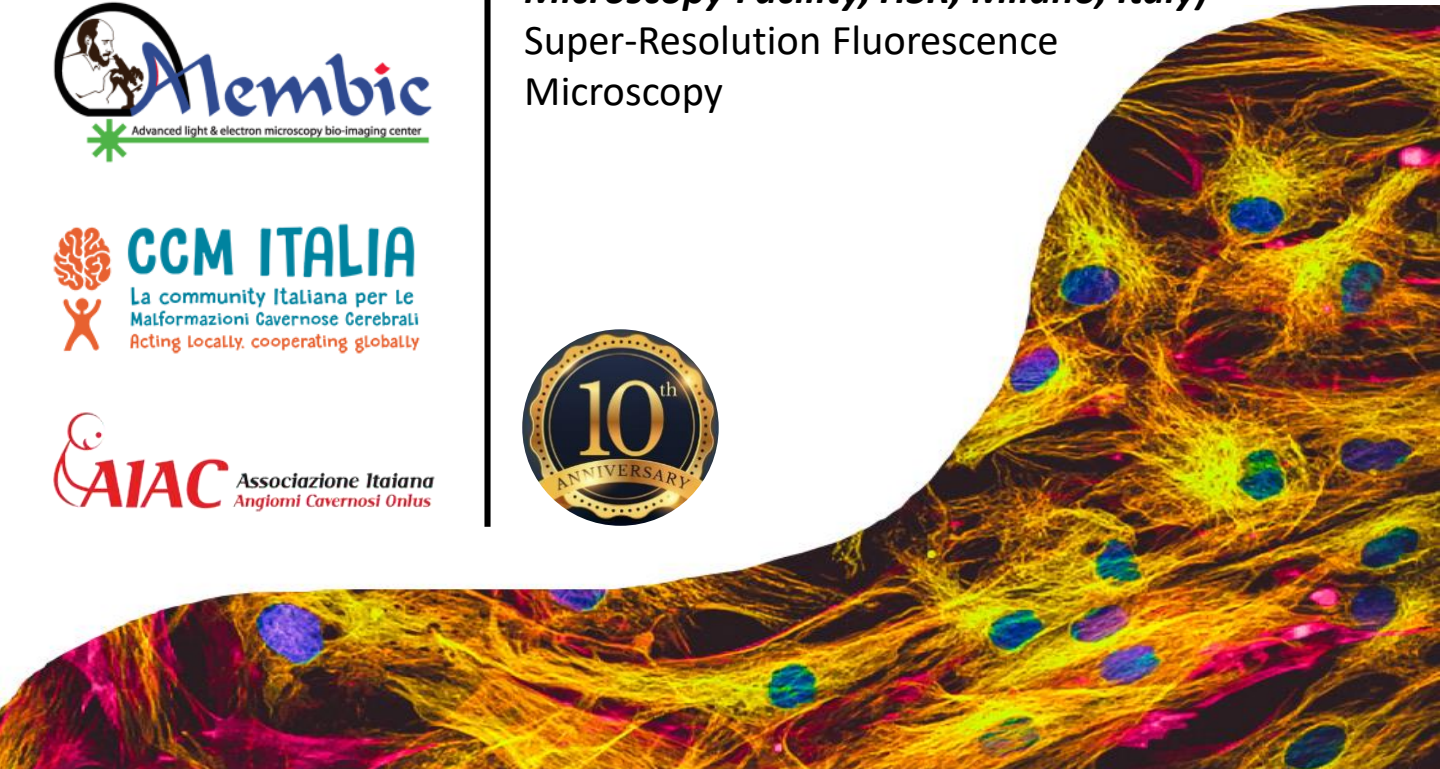
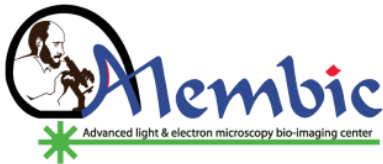
High Throughput Microscopy (HTM)

**12:00-13:00 Dr. Enrica Boda (NICO, UniTo)**

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

**15:00-16:00 Dr. Valeria Berno (ALEMBIC  
Microscopy Facility, HSR, Milano, Italy)**

Super-Resolution Fluorescence  
Microscopy





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*18:00-19:00*

***Dr. Mauro Moglianetti***

*(HiQ-Nano s.r.l. and the Italian  
Institute of Technology, IIT,  
Genova, Italy)*

**X-ray, cells and the nano-world:  
new emerging techniques to shed  
light on complex phenomena**

