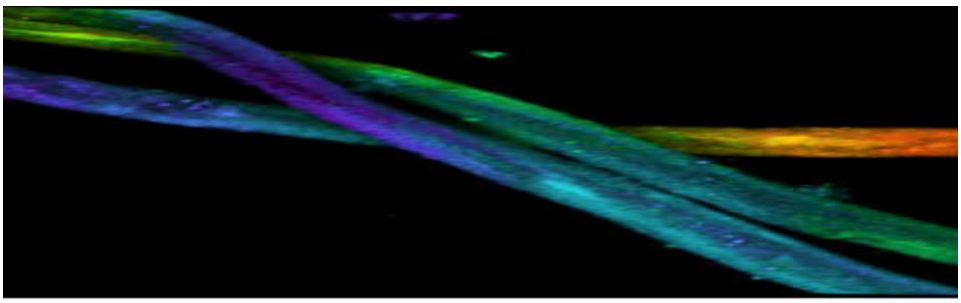

ATeN Center
ADVANCED TECHNOLOGIES NETWORK CENTER

TRAINING SERIES "CONFOCAL IMAGING FROM BASIC TO ADVANCED"

Organised by Dr. Giuseppe Sancataldo and Prof. Valeria Vetri

The trainings are dedicated to researchers who want to acquire new knowledge on confocal fluorescence microscopy and its application for 4D (x,y,z,t) analysis of fluorescent samples (cells, tissues, scaffolds, polymeric systems, artistic artifacts etc.). The activities include three separated sessions of theoretical and practical training, going from the foundations of fluorescence imaging to the performance of simple real experiments. The last session will deal with the quantitative use of confocal microscopes to measure the dynamics and concentration of molecules in living systems.

TRAINING SESSIONS:

1. **03/02/2022 - 3 pm: Fundamentals of Confocal Fluorescence microscopy** (seminar on line – duration: 1.5 hrs)**.**
2. **10/02/2022 - 3 pm: Setting up confocal microscopy measurement: 3D imaging** (hands-on Olympus FV10i microscope - remote mode use – duration: 3 hrs)**.**
   In case the participants want to make a trial on their own samples, please contact us in advance for the details on suitable preparation.
3. **17/02/2022 - 3 pm: Finding molecular dynamics with advanced fluorescence microscopy** (seminar on line with data analysis tutorial – duration: 1.5 hrs).

**Training sessions can be attended separately, although the attendance of the training #3 requires basic knowledge of fluorescence and confocal microscopy fundamentals.*

REGISTRATION:

Who: Junior and senior scientists with scientific background.
A registration fee will be charged to participants from private companies.

TRAINING n.1	TRAINING n.2	TRAINING n.3
100€	150€	100€

How: send an e-mail to eventi.aten@unipa.it with subject "confocal training #1", "confocal training #2" or "confocal training #3", specifying your name, institution and supervisor name (if applicable).
Where: a dedicated team will be set up and you will receive the invitation as your registration is confirmed.
Attendance Certificate will be provided upon request.

Laboratorio di Bioimaging e Dosimetria

3-10-17 FEBRUARY 2022

ATEN CENTER
Viale Delle Scienze
Edificio 18

Registration

DEADLINES:
SESSION 1 - 31/01/2022

SESSION 2- 07/02/2022

SESSION 3- 14/02/2022

e-mail: eventi.aten@unipa.it