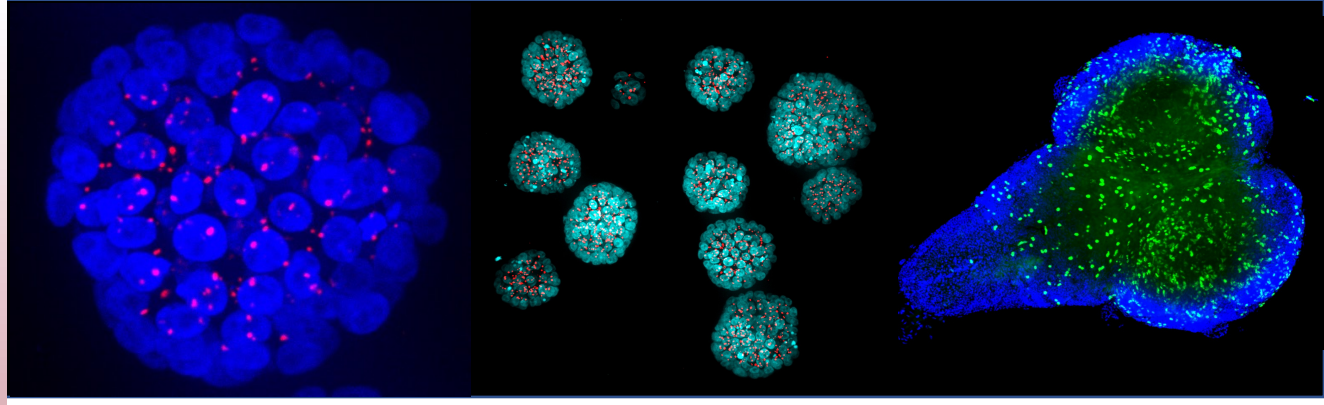
Dottorato in Genetica e Biologia Molecolare



Imaging 3D cellular models for biomedical applications

Theoretical-practical course

Giulia Guarguaglini, Patrizia Lavia, Francesca Degrassi, Lia Asteriti,
Giulia Fianco, Federica Polverino, Vincenzo Costanzo
CNR-IBPM laboratories - c/o BBCD Department, via degli Apuli site

Theoretical session* - 10/10/2023 , *9:00-13:00
Aula Franco Tatò (Via dei Sardi 70, II floor)

9:00 Giulia Guarguaglini, CNR-IBPM
Introduction to the course

9:15 Alvaro Crevenna, EMBL Rome
Imaging-based Spatial -omics for tissue research
Questions and answers

10:15 Laura Rosanò/Ilenia Masi, CNR-IBPM
3D models as tools in cancer research
Questions and answers

10: 55 Break

11:10 Silvia Di Angelantonio, Sapienza University & IIT@Sapienza
Multi-imaging approaches of 3D brain organoids for the study of neurodegenerative and neurodevelopmental disorders
Questions and answers

11:50 Patrizia Somma/Elisabetta Bucciarelli, CNR-IBPM
Drosophila brain and testis as models to study developmental disorders
Questions and answers

12:30 Giulia Fianco, CNR-IBPM
Introduction to the practical demonstration: immunofluorescence of 3D samples
Questions and answers

Practical sessions. *Imaging 3D samples on the microscope*
For space and safety reasons hands-on participation will be limited to 12 students, divided into 4 groups, Via degli Apuli 4, microscopy lab - II floor - Meet link for the others.

10/10/2023, 15:00-17:00 - ***Group 1***
11/10/2023, 9:30-11:30 - ***Group 2***
11/10/2023, 11:30-13:30 - ***Group 3***
11/10/2023, 15:00-17:00 - ***Group 4***

Consiglio Nazionale delle Ricerche

IBPM CNR

IMPARA - IMAGING DALLE MOLECOLE ALLA PRECLINICA
PON ASSE II Progetti tematici AZIONE II.1 Potenziamento delle Infrastrutture di Ricerca

Nikon