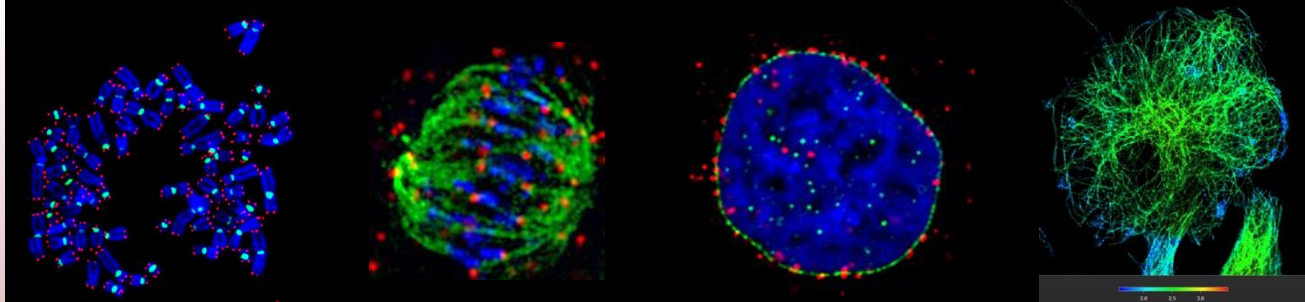




## Visualizing biological interactions in cells and cellular compartments

21-22 October 2024 - Theoretical-practical course

Giulia Guarguaglini, Patrizia Lavia, Lia Asteriti  
CNR-IBPM laboratories - c/o BBCD Department, via degli Apuli site

### *Theoretical session*

**21/10/2024, 9:30-13:00**

*Aula Franco Tatò (Via dei Sardi 70, II floor)*

9:30 **Giulia Guarguaglini**, CNR-IBPM  
Introduction to the course

9:40 **Erica Salvati**, CNR-IBPM  
Protein/nucleic acids interactions: fluorescence-based visualization of interactions at telomeres  
Q & A

10:20 **Giulia Guarguaglini/Federica Polverino**, CNR-IBPM  
PLA visualization of real-life protein interactions in intact cells

- Interactomics in space and time
- PLA-based molecular and genetic screenings for therapeutic and biological purposes

Q & A

11:00 Break

11:20 **Manuel Marzullo**, CNR-IEOS  
FRET imaging for the analysis of multi-protein complexes in single cells  
Q & A

12:00 **Linda Montemiglio**, CNR-IBPM  
Single particle cryo-EM: shedding light on the dark world of macromolecular complex interactions  
Q & A

### *Practical sessions. Imaging samples on the microscope*

For space and safety reasons hands-on participation will be limited to 4 groups of 12 students  
*Via degli Apuli 4, microscopy lab - II floor*

**21/10/2024, 15:00-17:00** - Group 1

**22/10/2024, 9:30-11:30** - Group 2

**22/10/2024, 11:30-13:30** - Group 3

**22/10/2024, 15:00-17:00** - Group 4