Course for Ph.D. students

Cryo-electron Microscopy of Biological Macromolecules

(3 ECTS)

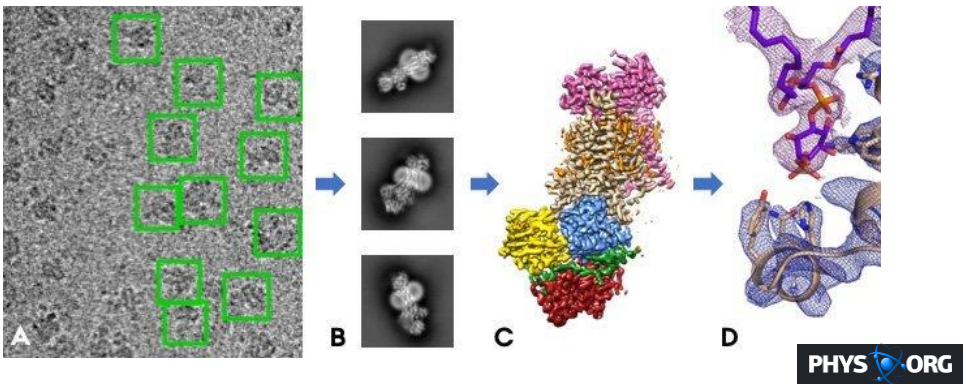
Ben Luisi, Visiting Professor
and Giulia Paris
University of Cambridge (UK)
Course Language: English

The course will take place according to the following agenda:

2/5/2023 – room E (14:30 - 17:30)
3/5/2023 – computer lab (14:30 - 17:30)
4/5/2023 – computer lab (14:30 - 17:30)
5/5/2023 – computer lab (14:30 - 17:30)
8/5/2023 – computer lab (10:30 - 13:30)
9/5/2023 – computer lab (10:30 - 13:30)
10/5/2023 – computer lab (14:30 - 17:30)
11/5/2023 – computer lab (14:30 - 17:30)

The course is organized by the Ph.D. Course in Drug Sciences but it is open to all the Ph.D. students of the University of Parma.

To attend the course please fill the form: https://tinyurl.com/subscribecryoem
Enrolment is open until 17/04/2023



Cryo-electron microscopy (Cryo-EM) is a rapidly advancing structural biology technique that allows the determination of the three-dimensional structures of biological macromolecules at near-atomic resolution. Cryo-EM has revolutionized the field of structural biology by providing a powerful tool for visualizing the structure of biological molecules and their interactions with other molecules in their native state. After a brief introduction to the principles and applications of cryo-EM, the course will provide a practical hands-on experience with cryo-EM single particle analysis.