

PROTEIN STRUCTURE PREDICTION AND DESIGN: HOW TO USE ALPHAFOLD AND OTHER AI METHODS FOR YOUR RESEARCH

ORGANIZERS: *Prof. Carlo Camilloni*
Dott. Riccardo Capelli

February 4-5-6-11 2025

Room



PROGRAM

FEBRUARY 4 2025

Room B7

- **9:30-11:30** Introduction to the problem of proteins structure prediction + Hands on Pymol

FEBRUARY 5, 2025

Room BM

- **9:30-11:30** Structure Prediction and Design applications + ColabFold overview

FEBRUARY 6, 2025

Room BM

- **14:30-16:30** First practical (use of web resources) & homeworks



PROGRAM

FEBRUARY 11, 2025

Room BM

- **9:30-11:30** **Second practical (use of departmental resources) and homeworks**

**A final meeting will be scheduled late Feb/Mar 2025
to present and discuss the results obtained.**

**Students are required to bring their own laptop
(for the practical)
and possible a system of interest
(a protein or protein complex of unknown structure)**

