



Direzione Ricerca,
Innovazione e
Internazionalizzazione

**UNIVERSITÀ
DI TORINO**

ID

VP_009_BIOS

Visiting Professor Program Academic Year 2025/2026

TEACHING COMMITMENT: 12 hours

COURSE TITLE

Structure of Macromolecules and Proteomics

TEACHING PERIOD

I semester

SCIENTIFIC AREA

Biochemistry

LANGUAGE USED TO TEACH

English

COURSE SUMMARY

This teaching contributes to the learning objectives included into the Biomolecular area of the Master in Cellular and Molecular Biology - Biologia Cellulare e Molecolare - providing an in-depth and integrated knowledge of biological systems at molecular level focusing on quantitative and qualitative analysis of biological macromolecules and bioinformatic analyses.

LEARNING OBJECTIVES

At the end of the course, the students should know:

- Methods for studying protein structure, including x-ray crystallography and cryo-electron microscopy.
- Methods to predict protein structure (AlphaFold).

OTHER ACTIVITIES BESIDE THE COURSE

VISITING PROFESSOR PROFILE

The Visiting Professor should have a background in structural biology. She/he should possess a wide expertise in the field of x-ray crystallography and cryo/EM. Her/his contribution to the state of the art in structural biology should be internationally recognized.

CONTACT REFERENT

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