



UNIVERSITÀ DI PAVIA
Dipartimento di
Biologia e Biotecnologie
"Lazzaro Spallanzani"

Native Mass Spectrometry in Structural Biology

Carlo Santambrogio

Associate Professor
Università Milano-Bicocca



Carlo Santambrogio's research focuses on protein folding, binding, and the analysis of non-covalent interactions within complex conformational ensembles. He has a specialized interest in intrinsically disordered proteins (IDPs) and those involved in amyloid aggregation, such as α -synuclein and β 2-microglobulin. His work also extends to protein ionization mechanisms, carbohydrate characterization, and the study of innovative materials like metal nanoclusters.

Utilizing a multidisciplinary approach that combines native mass spectrometry with fluorescence and circular dichroism spectroscopy, he is currently expanding his research into structural proteomics and the identification of biomarkers from peripheral biological fluids and tissues.

30/01/2026 (Friday)
15:00-16:00

Aula Buzzati-Traverso
(1st floor, Genetics Building)



Hosted by: Federico Forneris

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