

The Biochemistry and Structural Biology Unit at IEO: a platform for protein production and structure determination

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Digital copy of the poster

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Link to the BSU website

Our mission

The Biochemistry and Structural Biology Unit (BSU) at the European Institute of Oncology (IEO - Milan - Italy) provides high-quality technical support, training and equipment in recombinant protein production, biochemistry,



biophysics and **structural biology** (X-ray crystallography and CryoEM).

We work in close contact with the Principal Investigators to allow the study of the structure and function of biological macromolecules, thus enabling the molecular understanding of cellular processes regulating physiology and cancer.





We with a equipped are diverse range of instruments to measure protein molecular weight, characterize protein stability, and assess proteinligand interactions.

Size exclusion chromatography (SEC)

800

600

400 -

femp (°C)

Thermal Shift Assay

Elution volume (mL)

Static light scattering (SEC-SLS)

MW: 107.8 KDa 5.05 👾

13.5 14.0 Elution volume (mL)





Bio-layer interferometry (BLI)





Structural Biology



Fluorescence Polarization (FP)







Isothermal titration calorimetry (ITC)







