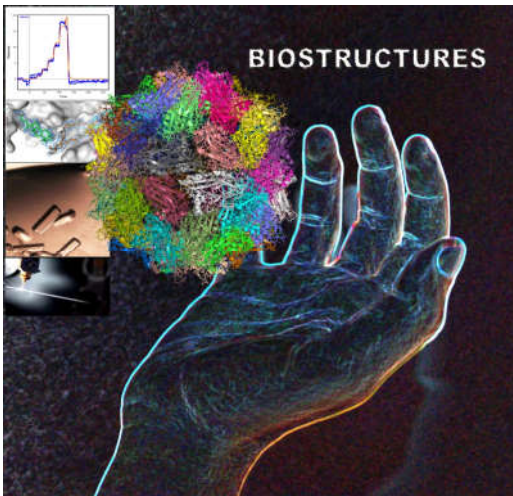




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The **BIOSTRUCTURES Lab** at IIT@NEST conducts basic and applied research in the field of Structural Biophysics, to design and investigate structure, regulation and interactions of biomacromolecules and nano-biostructures. Results are used to understand the molecular basis of diseases, discover novel drugs and innovative strategies for therapy.

Primary research tools include approaches of both structural biophysics and biotechnology. Among these, we use mainly protein design & engineering, directed protein evolution, x-ray crystallography using synchrotron radiation, single particle cryo-electron microscopy, mass spectrometry, surface plasmon resonance, microcalorimetry, supported by advanced computational methods.

If you are a highly motivated undergraduate, interested in becoming a student researcher in Structural Biophysics, or if you have any question, please do not hesitate to contact gianpiero.garau@iit.it

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