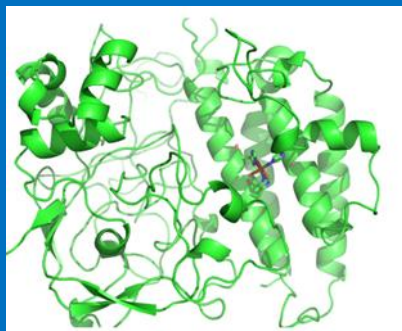







Functional Area of Biochemistry and Cell Biology



The **Biochemistry and Cell Biology** area is equipped with various instruments useful for the biochemical and functional characterization of proteins and small molecules, and for the study of signal transduction in marine organisms. The available equipment includes chromatographic systems for the purification and characterization of proteins, spectrophotometers for enzymatic assays, homogenizers for cell destruction.

Third Floor - EAST Wing, # 356

Manager: **Imma Castellano**
immacolata.castellano@szn.it

| Bookable instruments | Description | |
|---|---|---|
| Cromatographic System FPLC Acta | Chromatographic system for the purification of proteins, peptides and nucleic acids. Applications: Affinity chromatography, molecular exclusion chromatography (gel filtration), ion exchange chromatography, hydrophobic interaction chromatography, reverse phase chromatography. |  |
| Spectrophotometer Agilent Cary 100 Scan | Cary 300 is a UV-visible spectrophotometer with a versatile set of accessories and a wide photometric range for use in research laboratories. It is controlled by the Cary WinUV software, a modular Windows-based software, with powerful analysis functions managed by a simple interface. The instrument is suitable for the analysis of biological samples, cell cultures, extracts, and purified preparations. |  |
| Spectrophotometer Agilent | UV-visible spectrophotometer suitable for the analysis of biological samples, cell cultures, extracts, and purified preparations, kinetics. |  |
| Homogenizer ultraturrax Junke&Kunkel | Bench model, useful for volumes between 1 and 2000 ml. T25 homogenizer is ideal for homogenizing biological and wastewater samples, for use in laboratory reactors, vacuum / pressure dispersions. |  |
| Incubator Thermo scientific | Incubator for temperature and CO2 control. Useful for cell culture growth. |  |