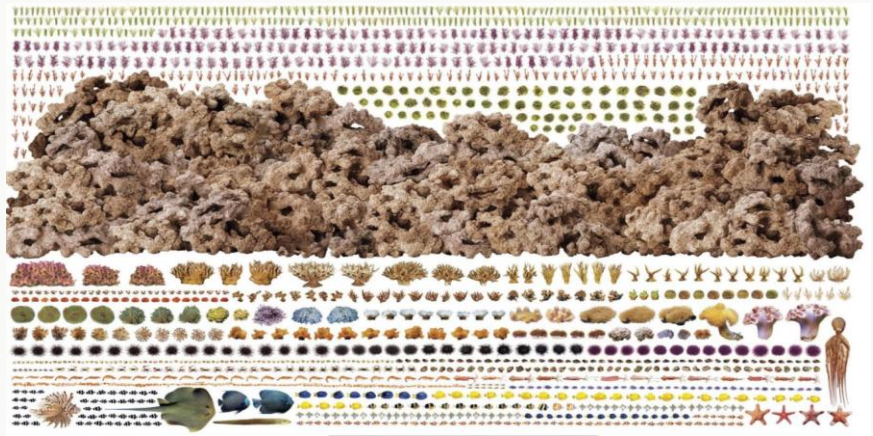
Bio-Ecological Area

After that magic moment when my eyes opened in the sea, I was no longer able to see, think or live as before.

(Jacques Cousteau)

The Bio-Ecological Area track embraces the study of life in the oceans and includes a broad range of topics, from biogeography to biodiversity, marine botany, molecular ecology, biological systematics, population ecology, management of aquatic resources, and fisheries.



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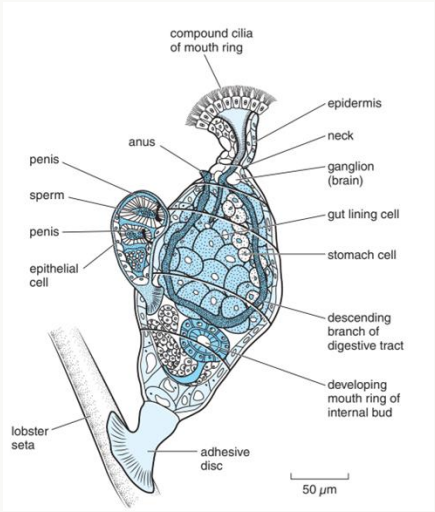

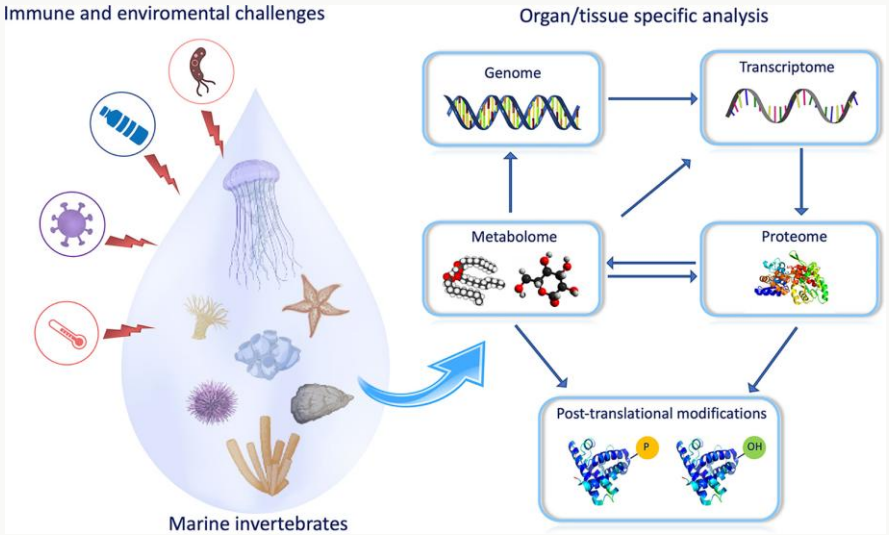

The main topics are:

- Marine biology and ecology, biodiversity, fisheries
- Knowledge of the marine biological processes, from individuals to ecosystems
- Patterns of marine biodiversity and threats to ecosystem integrity and biodiversity
- Zoology and botany
- Principles and applications of molecular biology tools for the study of marine organisms and microorganisms

Bio-Ecological Area

Mandatory courses in red

- Fundamentals of marine biology (1st year)
- Biodiversity & marine ecology (1st year)
- Management of aquatic resources: fisheries
- Marine bioprospecting
- Marine invertebrate zoology
- Marine vertebrate zoology
- Coastal and marine botany
- Marine molecular biology
- Marine environmental microbiology
- Climate change impacts on marine ecology
- Multidisciplnary marine lab: bio-ecology
- Underwater Scientific Methodologies for ecological studies