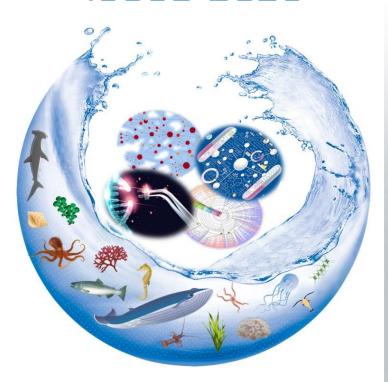
# ISSSB 2025



II INTERNATIONAL SUMMER SCHOOL ON

## SYSTEMS BIOLOGY

THE SYSTEM BIOLOGY APPROACH TO **DISCOVER MARINE LIFE: FROM A BIG** EYE TO A MICROSCOPIC PICTURE

## External Speakers:

Chris Bowler CNRS-ENS Paris, France Juan Pascual Anaya University of Malaga, Spain Klaas Vandepoele Ghent University, Belgium Ferdinando Boero University of Naples, Italy Periklis Paganos MBL, Woods Hole, USA

## Internal Speakers-SZN:

Luca Ambrosino **Lucia Campese** Domenico D'Alelio Gerardo Della Sala Giacinto De Vivo **Giovanna Romano** Monia Teresa Russo

### **OPEN TO:**

Graduate and PhD students, postdocs and early-career researchers

### WHERE:

Stazione Zoologica Anton Dohrn, Villa Comunale, Napoli

### WHEN:

27-30 October 2025

### **APPLICATION DEADLINE:**

Early bird: July 15, 2025 Late: August 31, 2025

### Apply through the website:

https://isssb2022.wixsite.com/isssystemsbiology25



## WHAT YOU WILL LEARN

Ecosystem-Scale Modeling
Explore large datasets and apply networkthinking to plankton ecology, revealing how
species interactions drive ocean function

Omics Workflows
Gain hands-on experience with comparative genomics, functional annotation and meta-omics pipelines to study marine biodiversity and functioning

Evolutionary Genomics & Eco-Evo-Devo
Understand genome and protein evolution along with developmental regulatory program dynamics from single-cell to whole-organisms

Biotech & Synthetic Biology
Learn microalgal transformation and targeted
editing, link genomics with metabolomics for
natural-product discovery, and perform genome
mining in practical lab sessions