

Mid Term Seminars 2024

Ph.D. Students



April 16th, 2024
h. 10.00 - 17.00

Live in the
Conference Room

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- 10:00 – 10:15 Amalia Amato
An evolutionary "lesson" on sulfur-containing amino acid from Cnidaria
(based on the Ph.D. research project “Unveiling the evolution of sulfur-containing amino acid metabolic pathways: insight from Cnidaria” of Annalisa Zuccarotto)
- 10:15 – 10:20 Discussion
- 10:20 – 10:35 Tanya Alessandro
Italian Marine Protected Areas: a long-term assessment of their protection effectiveness against anthropogenic pressures
(based on the Ph.D. research project “Long-term analysis of protection effectiveness within the Italian marine Protected Areas and assessment of potential relationships between the ecological status of main benthic habitats and the cumulative impact of human pressures on coastal environments” by Andrea Aiello)
- 10:35 – 10:40 Discussion
- 10:40 – 10:55 Martina Arpaia
In a changing Mediterranean Sea, microbe-host associations as drivers of Benthic C and N Cycling
(based on the Ph.D. research project “Microbe-host associations as drivers of Benthic C and N Cycling in a changing Mediterranean Sea (eMBraCE)” by Johanna Berlinghof)
- 10:55 – 11:00 Discussion
- 11:00 – 11:15 Andrea Broccoli
Circadian clock and photoperiodism in marine plants
(based on the Ph.D. research project “CODING Circadian clock and photoperiodism in marine angiosperms (seagrasses): evolution and ecological significance” by Alessia Riccardi)
- 11:15 – 11:20 Discussion
- 11:20 – 11:30 Break**
- 11:30 – 11:45 Daniele Bellardini
Ecological risks of retinoic acid due to accumulation through specific trophic interactions
(based on the Ph.D. research project “Unraveling the Evolution and Function of the Retinoic Acid Signaling in the Mollusk *Mytilus galloprovincialis*” of Federica Salatiello)
- 11:45 – 11:50 Discussion
- 11:50 – 12:05 Gabriele De Falco
Neuromodulators and connectome of Octopus vulgaris
(based on the Ph.D. research project “Beyond the connectome: Contributing to the understanding on how neuromodulators shape neural circuits in the octopus” by Federica Pizzulli)
- 12:05 – 12:10 Discussion

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- 12:10 – 12:25 Serena Federico
Spatial distribution of loggerhead turtles in the Western Mediterranean Sea: global warming as a determinant factor
(based on the Ph.D. research project “Range expansion of loggerhead turtles into the Western Mediterranean: spatial distribution, habitat connectivity and response to climate change” by Margherita Sofia Panzuto)
- 12:25 – 12:30 Discussion
- 12:30 – 12:45 Denisse Carolina Galarza Verkovitch
Imaging the Unseen: Automated Capture of Phytoplankton Morpho-Functional Traits
(based on the Ph.D. research project “High-frequency automated imaging to capture phytoplankton morpho-functional traits” by Melpomeni Sofia Mente)
- 12:45 – 12:50 Discussion
- 12:50 – 14:00 Break**
- 14:00 – 14:15 Chiara Gambardella
Microbial mysteries of the deep: prokaryotic communities structure in seamount systems
(based on the Ph.D. research project “Ecological role of microbial communities around the seamount systems: study of biodiversity of prokaryotic communities through multi-omics approaches and bioinformatic tools” by Fabiano Francesco)
- 14:15 – 14:20 Discussion
- 14:20 – 14:35 Valentina Tanduo
The acoustic impact of offshore operations in the Mediterranean Sea
(based on the Ph.D. research project “Acoustic impacts of offshore operations in the Mediterranean Sea” by Sara Ferri)
- 14:35 – 14:40 Discussion
- 14:40 – 14:55 Giulia Paoella
The seagrass as model for phytoremediation of polluted areas
(based on the Ph.D. research project “Explore The Use of Assisted Evolution Approaches for Improving Seagrass Restoration and for Enhancing the Resilience of Restored Populations (Aevol-Sea)” by Isabella Provera)
- 14:55 – 15:00 Discussion
- 15:00 – 15:15 Alessandra Mussi
Single cell transcriptomic approach: an overview
(based on the Ph.D. research project “Evolution of pancreatic cell types: a single cell transcriptomic approach” by Maria Lorenza Rusciano)
- 15:15 – 15:20 Discussion
- 15:20 – 15:30 Break**
- 15:30 – 15:45 Patrizia Romano
Carbonic anhydrase in the marine microbiome: the key to understanding and conserving ocean ecosystems under ocean acidification conditions

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(based on the Ph.D. research project “Assessing the microbiome health in changing marine ecosystems” by Antonio Longo)

15:45 – 15:50 Discussion

15:50 – 16:05 Matteo Nannini

How benthic diatoms influence sexual inversion in an important decapod at the base of the trophic web

(based on the Ph.D. research project “Evolutionary molecular mechanisms of cell death and differentiation ruling the effects of benthic diatoms on a marine decapod crustacean” by Bruno Pinto)

16:05 – 16:10 Discussion

16:10 – 16:25 Gianluca Liguori

Exploring the chemopreventive potential of microalgae

(based on the Ph.D. research project “Microalgal derivatives as nutraceutical supplements for chemoprevention” by Luigi Pistelli)

16:25 – 16:30 Discussion

16:30 – 16:45 Riccardo Virgili

Opsin evolution in Cephalopoda: how convergence shapes complex vision in invertebrates

(based on the Ph.D. research project “Keep an Eye On the Argonauta! A Comparative Evolutionary Analysis of Key Genes for Vision in Littoral Versus Deep-Sea Octopuses” by Giacinto De Vivo)

16:45 – 16:50 Discussion

**The Team Working Exercise will be held on
May 16th 2024, at h. 10:00
SAVE THE DATE!**

