UNIVERSITÁ DEL PIEMONTE ORIENTALE
DIPARTIMENTO DI SCIENZE E INNOVAZIONE TECNOLOGICA

EVENTI DiSIT

Seminario | Seminar

26-06-2024

16:00-17:00

Aula Magna

L'evento sarà raggiungibile anche in modalità online attraverso la Piattaforma Zoom

Exploring the Biodiversity of Marine Invertebrates from the Shallow to Deep

Jose Lopez, PhD

Halmos College of Arts and Sciences. Northwestern University of Florida, USA

This talk will describe marine biodiversity linked not only by their shared habitat connected by seawater but also by their reliance on symbiosis, which is the coexistence of more than one organism in a single entity. Coral reefs provide an excellent showcase for symbiotic interactions, represent only a small percentage of total ocean area and yet holds a vast majority of biodiversity. Biologically built reefs depend on the patient and steady accretion via invertebrate lifestyles. In contrast, the deep ocean pelagic realms represent the largest habitats on the planet, have barely been investigated and thus will also likely yield large caches of biodiversity. Prof. Jose Lopez's research picks up on several of these points, using modern molecular "-omics" methods. He has applied molecular genomics to characterize diverse marine systems: sibling species boundaries in keystone corals (Orbicella) and symbiotic communities in sponges, other invertebrates and anglerfish. The value and efficacy of applying genomics techniques to characterize marine biodiversity can be exemplified in the current Aquatic Symbiosis Genome project accessible at the following link:
https://www.sanger.ac.uk/collaboration/aquatic-symbiosis-genomics-project.

EVENTO APERTO A:
Docenti | Teachers, Borsisti | Research Fellows, Assegnisti | Postdoctoral researchers, Dottorandi | PhD students, Studenti | Students, Esterni UNIUPO | external UNIUPO people
SEMINARIO IN LINGUA: English