



L.M. Biodiversità ed Evoluzione

L.M. Scienze e gestione della natura

Mercoledì 22 Marzo 2017

Aula magna di antropologia, via Selmi, 3 (3° piano)

10:30 – 13:00 e 14:30 – 17:00

Prof. Christian R. Voolstra

King Abdullah University of Science and Technology (Saudi Arabia)

presenterà il seminario:

“The metaorganism imperative – We are not alone”



Summary

Recent years have brought a changing imperative in life sciences sparked by the revolution of genomic tools to study the molecular composition and functional organization of organisms. There are now a multitude of studies that support the notion that a host-specific microbiome associates with the multicellular host and provides functions related to metabolism, immunity, and environmental adaptation, among others. Consequently, interactions and communication mechanisms of members in this metaorganism presumably play a major role in maintaining host health, microbiome stability, and resilience to environmental disturbance. However, the majority of current studies focus on the formal description of this microbial diversity. In this seminar, I will present current research efforts to investigate metaorganism function and evolution, including the presentation of methods and analyses employed.

Organizzato da Marine Science Group, Stefano Goffredo

Gruppo di ricerca BiGeA

Dinamica della biodiversità, ambiente e cambiamenti climatici

