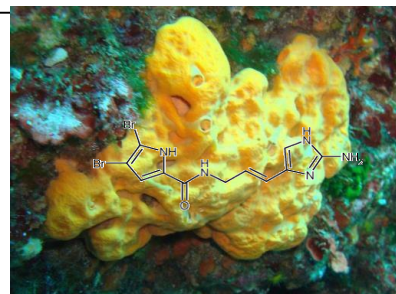


Marine biodiscovery and biotechnology

Practical course MNF-Bioc-260

29.8. – 11.9.2019 (2 weeks block course)



Marine (or blue) biotechnology deals with the applications of biotechnology tools on marine resources. Marine biotechnology encompasses those efforts that involve the marine resources of the world, either as the source, a selected molecule or target of biotechnology applications. Adaptation to these harsh environments has led to a rich marine bio- and genetic-diversity with potential biotechnological applications related to drug discovery, environmental remediation, increasing seafood supply and safety, and developing new resources and industrial processes. Drug discovery represents one of the most promising and highly visible outcomes of marine biotechnology research. Compounds produced by marine invertebrates, algae and bacteria, are very different than those from related terrestrial organisms and thus offer great potential as new classes of medicines. In addition to new medicines, other uses for marine-derived compounds include: cosmetics, nutritional supplements, artificial bone, and industrial applications.

In this **practical course**, we will exercise a variety of methodological approaches in marine biodiscovery and biotechnology to teach lab skills in natural products chemistry and marine microbial biotechnology. In addition, scientific writing/presentation skills will be trained.

The course is given by Prof. Dr. Deniz Tasdemir and her coworkers at RU Marine Natural Products Chemistry.



Interested? Registration is compulsory, as a maximum of 10 students can participate.

Workload: 5 ECTS, the examination will be based on an oral presentation (100%).

For registrations: Send Email to mbluemel@geomar.de or/and dtasdemir@geomar.de latest **by July 30th 2019**

Venue: The course will take place at GEOMAR-Biotech (Am Kiel Kanal 44, Wik)