

Adaptive potential of marine species to global change

Date 14th May (Fri.)

Time 10:00 (UTC+8)

Venue Zoom



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Global change is threatening life in the seas through changing the physical, chemical, and biological conditions of the environment but also through the over-exploiting of species and habitats. Species have the potential capacity to adapt to new environmental conditions but this will largely depend on their levels of genetic diversity which in turn are closely related to their population sizes. In this talk I will explore about these concepts by presenting three marine species cases-study: 1) a fish showing evidence to had successfully adapted to acidified environments, 2) a bivalve, which experienced several decades of exploitation followed by nearly 30 years of protection but that is currently in the edge of extinction, and 3) a fish with evidence of genetic diversity loss by trawling.

All are welcome!



About speaker:

Dr. Natalia Petit-Marty is a geneticist and evolutionary biologist. She got her Ph.D. at the Autonomous University of Barcelona (Spain) researching about molecular evolution theories. Then, she worked at the Institute of Evolutionary Biology in Barcelona mostly in the field of comparative genomics in primates. After that, she moved to the Balearic Islands where she met marine conservation which has become her passion. Currently, she has a post-doctoral position in the group lead by Dr. Celia Schunter (School of Biological Sciences & Swire Institute of Marine Science, HKU) and co-lead the citizen science NGO “Posidonia” for the conservation of the Balearic Sea.