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CALL FOR APPLICATIONS 2025 – FELLOWS

Supervisor	Eric Thiébaud
Supervisor page	https://www.sb-roscoff.fr/en/user/195
Host Institution	Sorbonne Université https://www.sorbonne-universite.fr/en
Research Lab	Adaptation and Diversity in the Marine Environment, Roscoff Marine Station https://www.sb-roscoff.fr/en/adaptation-and-diversity-marine-environment
Research Team	Team Eco-Geochemistry and Dynamics of Coastal Ecosystems (EDYCO) https://www.sb-roscoff.fr/en/team-edyco

Project Title

Consequences of marine species turnover on coastal carbon cycle

Project Description

In response to climate change, community tropicalisation and deborealisation are widespread within the marine environment. This project aims to quantify multiple dimensions of carbon fluxes within benthic habitats dominated by species with contrasting thermal affinities. The project will explore potential relationships between functional traits (e.g. thermal index, life cycle strategies) and different parts of the carbon cycle (e.g. photosynthesis, respiration, DOC, methane).

Keywords

climate change, engineer species, carbon cycle

Description of the Host Research Lab

The Roscoff Biological Station has set its focus on basic biology — with the study of original evolutionary lineages — and marine biodiversity and eco-systems. Research in these fields draws on the latest methods in molecular and cell biology, in particular genomics and its derivatives, and interfaces them with environmental sciences, chemistry and mathematics. The goals of this research are a better comprehension of the evolution of life, as well as ecosystem functioning and the adaptation of marine organisms in response to global change. The main experimental models include bacteria, algae (microalgae, red and brown seaweed), invertebrates (sea squirt, slipper lim-pet, annelids, sea urchin, etc.), and vertebrates (lamprey, catshark, etc.), etc.

To submit your application, please send an email with the required documents to
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