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Marie Skłodowska-Curie Actions

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Postdoctoral Fellowships



CALL FOR APPLICATIONS 2025 – FELLOWS

Supervisor	Fabien Joux
Supervisor page	https://lomic.obs-banyuls.fr/fr/personnel/personnel_lomic/pages_personnelles/joux.html
Host Institution	Centre National de la Recherche Scientifique (CNRS) https://www.cnrs.fr/en
Research Lab	Microbial Oceanography Laboratory https://lomic.obs-banyuls.fr/fr/index.html#en/home-2.html
Research Team	Régulation des fonctions microbiennes par les paramètres environnementaux https://lomic.obs-banyuls.fr/fr/test.html

Project Title

How will marine psychrophilic bacteria respond to ocean warming in the Arctic?

Project Description

Psychrophilic bacteria (“cold-loving microbes”) are uniquely adapted to thrive in low-temperature environments, which provide their optimal growth conditions. To understand how the metabolism of such microorganisms is affected by rising temperatures in vulnerable ecosystems, such as the Arctic Ocean, we propose to explore the physiology of some psychrophilic marine bacterial strains at different growth temperatures using a multi-omic approach and by measuring the carbon use efficiency.

Keywords

psychrophilic marine bacteria, stress biomarkers, multi-omics

Description of the Host Research Lab

The aim of our transdisciplinary activities, from “genes to ecosystems”, is to provide a fundamental basis for understanding and predicting the responses of the various marine microbial components (prokaryotes and eukaryotes) to anthropogenic and climatic changes. The unit is structured around three research axes: 1) Regulation of microbial functions by environmental parameters, 2) Biogeochemistry and microbial diversity, 3) Marine microbial ecotoxicology.

To submit your application, please send an email with the required documents to
msca-pf@sorbonne-universite.fr