



MSCA

Marie Skłodowska-Curie Actions

*Developing talents,
advancing research*

Postdoctoral Fellowships



CALL FOR APPLICATIONS 2025 – FELLOWS

Supervisor	Gabriel Markov
Supervisor page	https://www.linkedin.com/in/gabriel-markov-b9553a8/
Host Institution	Centre National de la Recherche Scientifique (CNRS) https://www.cnrs.fr/en
Research Lab	Laboratory of Integrative Biology of Marine Models https://www.sb-roscoff.fr/en/laboratory-integrative-biology-marine-models
Research Team	Algal Biology and Interactions with the environment https://www.sb-roscoff.fr/en/team-algal-biology-and-interactions-environment/presentation

Project Title

Comparative genomics of endophytism in ectocarpales brown algae

Project Description

Ectocarpales are an order of brown algae including a model species where reverse genetic approaches are now carried on. This order also contains some endophytic species, which are supposed to have lost some genes in relation to their specific lifestyle. Long read reference genome sequences have been generated for two endophytic species, and will be assembled and compared with those of free-living relatives, with a specific focus on genes related to metabolic pathways.

Keywords

long-read genome assembly, genome-scale metabolic networks, comparative genomics

Description of the Host Research Lab

The Laboratory of Integrative Biologie of Marine Models [LBI2M CNRS-UPMC] is a interdisciplinary research unit (biology/chemistry/ecology) whose interests are focused on a large range of marine organisms, such as metazoans, macroalgae and marine bacteria that are in general qualified as emerging biological models.

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