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Marie Skłodowska-Curie Actions

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Postdoctoral Fellowships



CALL FOR APPLICATIONS 2025 – FELLOWS

Supervisor	Elizabeth Ficko-Blean
Supervisor page	https://scholar.google.com/citations?user=szVHUh0AAAAJ&hl=en
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	Marine Glycobiology https://www.sb-roscoff.fr/en/team-marine-glycobiology

Project Title

The red algal extracellular matrix – Biosynthesis and remodeling

Project Description

Red algae are ancient photosynthetic eukaryotes, the first to have developed complex multicellularity. We have identified several putative carbohydrate-active enzymes predicted to be implicated in matrix (cell wall) biosynthesis. The objective is to decipher the pathway of red algal matrix biosynthesis by studying the biochemistry of matrix-modifying enzymes. This will inform on the molecular interactions of the coastal carbon cycle and matrix evolution in eukaryotes.

Keywords

biochemistry, carbohydrates, enzyme

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