



**MSCA**

Marie Skłodowska-Curie Actions

*Developing talents,  
advancing research*

## Postdoctoral Fellowships



### CALL FOR APPLICATIONS 2025 – FELLOWS

<b>Supervisor</b>	Cécile Hervé
<b>Supervisor page</b>	<a href="https://www.sb-roscoff.fr/en/herve-cecile/439">https://www.sb-roscoff.fr/en/herve-cecile/439</a>
<b>Host Institution</b>	Centre National de la Recherche Scientifique (CNRS) <a href="https://www.cnrs.fr/en">https://www.cnrs.fr/en</a>
<b>Research Lab</b>	Laboratory of Integrative Biology of Marine Models <a href="https://www.sb-roscoff.fr/en/laboratory-integrative-biology-marine-models">https://www.sb-roscoff.fr/en/laboratory-integrative-biology-marine-models</a>
<b>Research Team</b>	Marine Glycobiology <a href="https://www.sb-roscoff.fr/en/team-marine-glycobiology/presentation">https://www.sb-roscoff.fr/en/team-marine-glycobiology/presentation</a>

#### Project Title

Functional validations of enzymes critical to synthesizing complex marine glycans

#### Project Description

Brown algae are essential components of coastal ecosystems. Up to 80% of the inorganic carbon fixed by these algae is converted into glycans, including the fucose-containing sulfated polysaccharides (FCSPs). FCSPs are significant actors both in the primary metabolism of brown algae and in carbon sequestration. However, nothing is known about their enzymatic biosynthesis. This project will take part in deciphering novel glycosyltransferase activities to help resolving this metabolic pathway.

#### Keywords

brown algae, glycosyltransferases, polysaccharides

#### 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](mailto:msca-pf@sorbonne-universite.fr)