



**MSCA**

Marie Skłodowska-Curie Actions

*Developing talents,  
advancing research*

## Postdoctoral Fellowships



### CALL FOR APPLICATIONS 2025 – FELLOWS

<b>Supervisor</b>	Stéphanie Bertrand
<b>Supervisor page</b>	<a href="https://www.iufrance.fr/les-membres-de-liuf/membre/1663-stephanie-bertrand.html">https://www.iufrance.fr/les-membres-de-liuf/membre/1663-stephanie-bertrand.html</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>	Integrative Biology of Marine Organisms <a href="https://biom.obs-banyuls.fr/en/index.html">https://biom.obs-banyuls.fr/en/index.html</a>
<b>Research Team</b>	Evolution et développement des Chordés <a href="https://biom.obs-banyuls.fr/fr/equipe_evolution_et_developpement_des_chordes.html">https://biom.obs-banyuls.fr/fr/equipe_evolution_et_developpement_des_chordes.html</a>

#### Project Title

Coevolution of head muscles and associated motoneurons

#### Project Description

Vertebrate head is a complex structure composed by well developed sensory organs, a “big” brain, bones, cartilages and muscles that are connected in an elaborate way. The head muscles derive from the head mesoderm which, contrary to the mesoderm forming the trunk muscles, is not segmented. This character has been proposed as a vertebrate novelty. Indeed, in the cephalochordate amphioxus, the whole non axial mesoderm is segmented.

#### Keywords

evolution and development, neurons, chordates

#### Description of the Host Research Lab

The main purpose of the "Integrated Biology of Marine Organisms (BIOM)" research unit is to study, in an evolutionary approach, the mechanisms of development and adaptation of marine organisms. This very general objective is achieved through the use of non-conventional marine model organisms allowing comparative studies complementary to those carried out with more traditional models. This type of approach is based both on the specificities related to the diversity of the organisms studied, but also on the profound unity of the living world which allows comparisons between organisms that are in many cases phylogenetically very distant from each other.

To submit your application, please send an email with the required documents to  
[msca-pf@sorbonne-universite.fr](mailto:msca-pf@sorbonne-universite.fr)