



**MSCA**

Marie Skłodowska-Curie Actions

*Developing talents,  
advancing research*

# Postdoctoral Fellowships



## CALL FOR APPLICATIONS 2025 – FELLOWS

<b>Supervisor</b>	François Robin
<b>Supervisor page</b>	<a href="https://www.ibps.sorbonne-universite.fr/fr/IBPS/annuaire/7529-Fran%C3%A7ois-Robin">https://www.ibps.sorbonne-universite.fr/fr/IBPS/annuaire/7529-Fran%C3%A7ois-Robin</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>	Development Adaptations and Aging <a href="https://www.ibps.sorbonne-universite.fr/en/research/development-adaptations-and-aging">https://www.ibps.sorbonne-universite.fr/en/research/development-adaptations-and-aging</a>
<b>Research Team</b>	Cell Dynamics in Development and Morphogenesis <a href="https://www.ibps.sorbonne-universite.fr/en/research/development-adaptations-and-aging/en-cadmo">https://www.ibps.sorbonne-universite.fr/en/research/development-adaptations-and-aging/en-cadmo</a>

### Project Title

Cellular and Developmental Dynamics of ATP Metabolism

### Project Description

Embryos are dissipative, thermodynamically out-of-equilibrium systems that constantly burn energy to establish and maintain their spatial, chemical, physical organization. Addressing how ATP metabolism interacts with the many facets of cell physiology represents a key challenge. The project would outline the precise cellular geography of ATP production and consumption and how it is integrated to cellular functions using *C. elegans* embryonic development and morphogenesis as a model system.

### Keywords

cellular bioenergetics, development and morphogenesis, biological physics

### Description of the Host Research Lab

Dev2A builds on its long-standing expertise in many aspects of integrative developmental biology, using a wide variety of model organisms, including *C. elegans*, *Drosophila*, zebrafish, *Xenopus*, chicken, mice and plants. We also develop work on cell and tissue culture, organoids and organ-on chips.

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