



**MSCA**

Marie Skłodowska-Curie Actions

*Developing talents,  
advancing research*

# Postdoctoral Fellowships



## CALL FOR APPLICATIONS 2025 – FELLOWS

<b>Supervisor</b>	Onnik Agbulut
<b>Supervisor page</b>	<a href="https://www.linkedin.com/in/onnik-agbulut-53950619/">https://www.linkedin.com/in/onnik-agbulut-53950619/</a>
<b>Host Institution</b>	Sorbonne Université <a href="https://www.sorbonne-universite.fr/en">https://www.sorbonne-universite.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>	Stem Cells, Cardiovascular pathophysiology and Biotherapies <a href="https://www.ibps.sorbonne-universite.fr/en/research/development-adaptations-and-aging/carther">https://www.ibps.sorbonne-universite.fr/en/research/development-adaptations-and-aging/carther</a>

### Project Title

Cardiovascular aging in human cardiac spheroid using simulated microgravity

### Project Description

It is well known that the long-term exposure to microgravity leads to adverse cardiovascular effects and increases the risk of long-term cardiovascular events. These changes, which resemble age-related physiological alterations, occur rapidly in healthy individuals exposed to microgravity. The project aims to elucidate the biological factors at the origin of these events using human cardiomyocytes derived from hiPSC and organoid technologies.

### Keywords

heart, assembloid, induced pluripotent stem cells

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