



MSCA

Marie Skłodowska-Curie Actions

*Developing talents,
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Postdoctoral Fellowships



CALL FOR APPLICATIONS 2025 – FELLOWS

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Host Institution	Sorbonne Université https://www.sorbonne-universite.fr/en
Research Lab	Development Adaptations and Aging https://www.ibps.sorbonne-universite.fr/en/research/development-adaptations-and-aging
Research Team	Stem Cells, Cardiovascular pathophysiology and Biotherapies https://www.ibps.sorbonne-universite.fr/en/research/development-adaptations-and-aging/carther

Project Title

The Role of Intermediate Filaments in Protecting Mitochondria from Mechanical Stress

Project Description

Cardiac and skeletal muscle pathologies that disrupt intermediate filaments can result in severe mitochondrial dysfunction, including altered localization and dynamics, impaired respiration, and increased outer membrane permeability. The project aims to characterize the relationship between muscle intermediate filaments and mitochondria, with a particular emphasis on how these filaments contribute to protecting mitochondria from mechanical stress.

Keywords

cytoskeleton, mitochondria, cardiomyopathy

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
mca-pf@sorbonne-universite.fr