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Marie Skłodowska-Curie Actions

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Postdoctoral Fellowships



CALL FOR APPLICATIONS 2025 – FELLOWS

Supervisor	Florent Hubé
Supervisor page	https://scholar.google.com/citations?user=-bWLG7sAAAAJ&hl=fr
Host Institution	Centre National de la Recherche Scientifique (CNRS) https://www.cnrs.fr/en
Research Lab	Development Adaptations and Aging https://www.ibps.sorbonne-universite.fr/en/research/development-adaptations-and-aging
Research Team	Transgenerational Epigenetics & small RNA biology https://www.ibps.sorbonne-universite.fr/en/research/development-adaptations-and-aging/transgenerational-epigenetics-small-rna-biology

Project Title

snoRNA-induced pseudouridylation of target mRNAs impacts protein expression levels

Project Description

For the first time after the discovery of capping on mRNAs, we have identified a modification on a target mRNA (Cyclin D3, CCND3) induced by snoRA40 and snoRA70 that affects the expression level of its protein. This modification, pseudouridylation, has not yet been localised to CCND3. In addition, we suspect that this mRNA modification may have an effect on the length of the poly(A) tail. The proposed project is based on the mechanistic study of this destabilisation of the CCND3 protein level.

Keywords

pseudouridylation, snoRNA, CCND3

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