



**MSCA**

Marie Skłodowska-Curie Actions

*Developing talents,  
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## Postdoctoral Fellowships



### CALL FOR APPLICATIONS 2025 – FELLOWS

<b>Supervisor</b>	Jérôme Lacoste
<b>Supervisor page</b>	<a href="https://www.ibps.sorbonne-universite.fr/fr/IBPS/annuaire/17222-J%C3%A9r%C3%B4me-Lacoste">https://www.ibps.sorbonne-universite.fr/fr/IBPS/annuaire/17222-J%C3%A9r%C3%B4me-Lacoste</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>	Heterochromatine, destin cellulaire et Exposome <a href="https://www.ibps.sorbonne-universite.fr/fr/Recherche/umr-developpement-adaptation-et-vieillessement/contrôle-épigénétique-homeostasie-plasticité-developpement">https://www.ibps.sorbonne-universite.fr/fr/Recherche/umr-developpement-adaptation-et-vieillessement/contrôle-épigénétique-homeostasie-plasticité-developpement</a>

#### Project Title

G-Quadruplexes in Drosophila Development

#### Project Description

G-quadruplexes (G4s) are, among non-canonical DNAs structures, the best characterized tetra-stranded structures. However, limited information is available on G4s formation in Drosophila and surprisingly no information is yet available on the involvement of G4s in Drosophila development. This project aims to establish an integrated knowledge base on the distribution and dynamics of G4s in D. melanogaster, prove the existence of G4s in a developing organism and assess their roles in development.

#### Keywords

g-quadruplex, development, drosophila melanogaster

#### 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)