



MSCA

Marie Skłodowska-Curie Actions

*Developing talents,
advancing research*

Postdoctoral Fellowships



CALL FOR APPLICATIONS 2025 – FELLOWS

Supervisor	Claire Francastel
Supervisor page	https://www.ibps.sorbonne-universite.fr/fr/IBPS/annuaire/15980-Claire-Francastel
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	Migration and differentiation of hematopoietic stem cells https://www.ibps.sorbonne-universite.fr/en/research/development-adaptations-and-aging/migration-and-differentiation-of-hematopoietic-stem-cells

Project Title

The dialogue between stem cells and their microenvironment: a role for retrotransposons?

Project Description

Transcription from endogenous retroviruses (ERV) is key to developmental transitions, likely through triggering sensing mechanisms and an inflammatory response. We focus on the emergence of hematopoietic stem cells (HSC) during development or hematopoietic stress in adults, to tackle the contribution of ERV RNAs in the reciprocal dialogue between HSCs and their microenvironment, through extracellular means, to decode innovative functional links in response to normal or pathogenic external cues.

Keywords

genomic repetitive elements and endogenous retroviruses, intercellular communication through extracellular vesicles, hematopoietic stem cells emergence and homeostasis

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