



MSCA

Marie Skłodowska-Curie Actions

*Developing talents,
advancing research*

Postdoctoral Fellowships



CALL FOR APPLICATIONS 2025 – FELLOWS

| | |
|-------------------------|--|
| Supervisor | Charlotte Le Mouel |
| Supervisor page | https://www.isir.upmc.fr/personnel/lemouel/ |
| Host Institution | Sorbonne Université https://www.sorbonne-universite.fr/en |
| Research Lab | The Institute of Intelligent Systems and Robotics https://www.isir.upmc.fr/?lang=en |
| Research Team | Interface and Robotics for Sensorimotor Interaction https://www.isir.upmc.fr/teams/iris/?lang=en |

Project Title

Postural adaptation for mobility and balance in ageing

Project Description

The purpose of the project is to develop a model of postural adaptation and use this model as a novel diagnostic tool to identify older adults at risk of falling. First, we will model how young, healthy participants adapt sensorimotor control to alterations in the context. Then, we will evaluate the effect of postural adaptation on daily balance and mobility in ageing. The results will lay the foundation for developing rehabilitation strategies to improve balance in impaired populations.

Keywords

balance, ageing, postural adaptation

Description of the Host Research Lab

The advent of artificial intelligences and robots is inducing profound transformations in our societies. Isir researchers help to anticipate them by working on the autonomy of machines and their ability to interact with human beings. Gathered in multidisciplinary teams, they create drones, micro-tweezers, bionic prostheses, social robots, surgical arms and all kinds of intelligent and interactive systems, physical, virtual or mixed reality. Their applications address major societal challenges: health, industry of the future, transport, personal services.

To submit your application, please send an email with the required documents to
msca-pf@sorbonne-universite.fr