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Marie Skłodowska-Curie Actions

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Postdoctoral Fellowships



CALL FOR APPLICATIONS 2025 – FELLOWS

Supervisor	Capucine Trollet
Supervisor page	https://recherche-myologie.fr/profile/capucine-trollet/
Host Institution	National Institute for Health and Medical Research (Inserm) https://www.inserm.fr/en/home/
Research Lab	Institute of Myology https://www.institut-myologie.org/en/
Research Team	Cellular and molecular orchestration in muscle regeneration, during ageing and in pathologies https://www.institut-myologie.org/en/recherche-2/centre-de-recherche-en-myologie/regeneration-pathophysiology-therapeutic-approaches-cellular-models/

Project Title

Deciphering cellular communication during human muscle regeneration and fibrosis

Project Description

Skeletal muscle regenerates through precise cell communication, but this process is disrupted in dystrophies, leading to fibrosis and impaired repair. This project investigates how muscle fibers, stem cells and fibro-adipogenic progenitors (FAPs) interact, identifying key ligand-receptor pairs altered in disease. Using human muscle cell co-cultures, we aim to uncover molecular targets to enhance regeneration and counteract fibrosis, paving the way for novel therapies for muscular dystrophies.

Keywords

muscle fibrosis, cell communication, regeneration

Description of the Host Research Lab

Located in Paris, at the heart of Europe's largest hospital, The Pitié-Salpêtrière Hospital, the Institute of Myology was created in 1996 under the leadership of an association of patients and their parents, the AFM-Telethon. Our goal: to promote the existence, recognition and development of myology as a separate discipline. Whether diseased, healthy, injured, athletic, or ageing ... muscle, on which our vital functions depend, has become a real innovative model for medical research. With a patient focus, the Institute of Myology coordinates the medical management, basic, applied and clinical research and education. It is an international reference centre that participates in numerous trials and clinical studies, mainly concerning neuromuscular diseases but also muscle damage related to high performance sports or ageing.

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