



MSCA

Marie Skłodowska-Curie Actions

*Developing talents,
advancing research*

Postdoctoral Fellowships



CALL FOR APPLICATIONS 2025 – FELLOWS

Supervisor	Marc Bitoun
Supervisor page	https://recherche-myologie.fr/profile/marc-bitoun/
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	Muscle cell organization and therapy of dominant centronuclear myopathy https://recherche-myologie.fr/research/labs/bitoun-lab/?lang=en

Project Title

Characterization of the endosomal dysregulations impacting autophagy in dystrophic muscles

Project Description

Dystrophin deficiency in Duchenne muscular dystrophy (DMD) leads to secondary alterations that compromise efficacy of Adeno-Associated Virus (AAV) vector-mediated therapies. We identified defects in the endolysosomal pathway in muscles of human patients and animal models of DMD. The project aims to further characterize these defects and explore a potential causal link between endosomal dysregulations and autophagy impairment described in DMD. Both pathways are critical for AAV efficacy.

Keywords

pathophysiology of Duchenne muscular dystrophy, endolysosomal pathway, autophagy pathway

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