



**MSCA**

Marie Skłodowska-Curie Actions

*Developing talents,  
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## Postdoctoral Fellowships



### CALL FOR APPLICATIONS 2025 – FELLOWS

<b>Supervisor</b>	Antoine Muchir
<b>Supervisor page</b>	<a href="https://recherche-myologie.fr/profile/antoine-muchir/">https://recherche-myologie.fr/profile/antoine-muchir/</a>
<b>Host Institution</b>	National Institute for Health and Medical Research (Inserm) <a href="https://www.inserm.fr/en/home/">https://www.inserm.fr/en/home/</a>
<b>Research Lab</b>	Institute of Myology <a href="https://www.institut-myologie.org/en/">https://www.institut-myologie.org/en/</a>
<b>Research Team</b>	Signaling pathways & striated muscles <a href="https://www.institut-myologie.org/en/recherche-2/centre-de-recherche-en-myologie/team-9-signaling-pathways-striated-muscles/">https://www.institut-myologie.org/en/recherche-2/centre-de-recherche-en-myologie/team-9-signaling-pathways-striated-muscles/</a>

#### Project Title

Role of the cytoskeleton-nucleus interaction in the development of muscular dystrophy caused by mutations in nuclear A-type lamins

#### Project Description

LMNA mutations are responsible for a muscular dystrophy associated with dilated cardiomyopathy. It remains unclear how LMNA mutations result in the development of the disease, and the incomplete understanding of the disease pathogenesis presents a major hurdle in the development of effective treatment approaches. We raised the hypothesis that dysfunctional connections between the nucleus and cytoskeleton is contributory to the diseases.

#### Keywords

muscular dystrophy, nuclear envelope, cytoskeleton

#### 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](mailto:msca-pf@sorbonne-universite.fr)