



## Autophagic mechanisms in human muscle cells

**Réf ABG-117706** Stage master 2 / Ingénieur **Durée** 6 mois **Salaire net mensuel** regular gratification  
09/11/2023

Université Paris Est - Créteil

**Lieu de travail** CRETEIL Ile-de-France France

**Champs scientifiques** Biologie

**Mots clés** autophagy, muscle, biopsies

**Date limite de candidature** 23/11/2023

### Établissement recruteur

**About us:**

Our research team is dedicated to advancing knowledge in the field of interferonopathies and their implications in muscular diseases. Interferonopathies have been implicated in a range of disorders, including dermatomyositis, inclusion body myositis, polymyositis and juvenile dermatomyositis.



### Description

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**About you:**

During your **Master 2 internship**, you will have the opportunity to:

- Investigate the role of interferonopathies in the pathogenesis of muscular diseases.
- Explore the various subtypes of interferons and their influence on autophagy mechanisms in human muscle cells.
- Contribute to ongoing projects aimed at advancing our understanding of muscular diseases.

To further investigate autophagy, you will use human myogenic cell cultures to study the effects of interferon and its associated transcriptional pathways *in vitro*. You could develop your skills by analyzing muscle biopsies from patients exhibiting muscular interferonopathies using cell culture and classical wet lab analyses, including western blotting, immunofluorescence, RT-qPCR, confocal microscopy, and live cell imaging.

**Master 2 position location:**

The PhD position is based at the [Institut Mondor de Recherches Biomédicales](#) in the [team of Prof Relaix](#) and the group of Pr Authier (Head of Reference Center for Neuromuscular Disorders). The Authier group is located in Paris area (Creteil, France) and gathers physicians and scientists involved in clinical, translational and basic research in the field of neuromuscular diseases. The proximity to Henri Mondor Hospital facilitates translational research within the lab.

The team is international and operates within an exciting atmosphere, equipped with multiple state-of-the-art research facilities

The selected candidate will be supervised by Dr L Martin, PhD (Associate professor) and co-supervised by Pr FJ Authier, MD-PhD.

### Profil

Motivated end enjoyed to perform research in international environment

### Prise de fonction

Dès que possible

### Éléments à fournir pour la candidature

**How to Apply:**

Please send a detailed CV, your transcript from Master 1, a cover letter and to be currently enrolled in a Master's program.

If you are enthusiastic about contributing to groundbreaking research on interferonopathies and muscular diseases, don't miss out on this opportunity to be part of a dynamic research team and make a meaningful impact. Apply today!

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