

Laboratoire Interuniversitaire de Biologie de la Motricité
Campus Santé Innovations, Faculté de Médecine
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PhD student position available starting September 2018

A PhD student position is available in the Laboratoire Interuniversitaire de Biologie de la Motricité (Université Jean Monnet Saint Etienne)

The project. It deals with the understanding of the mechanisms involved in skeletal muscle deconditioning in a mouse model of centronuclear myopathy. To this end, we will use genetically modified mice with a missense mutation in the dynamin 2 gene. We will particularly investigate whether alteration in mitochondrial dynamic is involved in the pathogenesis of the disease. We will analyze muscle phenotypes of mutant mice by molecular (RT-qPCR, RNAseq, western blot), histological and physiological (force measurement) analyses of skeletal muscle. We will also determine whether a strategy aimed at targeting mitochondria would improve mice phenotype.

Your profile. You should be a young motivated scientist with excellent marks and willing to use this opportunity for your scientific career. The mastery of biology tools (RT-qPCR, enzymology, western blot, immunohistochemistry, epifluorescence microscopy) is necessary. Experience in conducting animal studies is also recommended.

How to apply. Each candidate must provide a cover letter, a CV and 2 letters of recommendation. Please send your application ideally as a single PDF by E-Mail at damien.freyssenet@univ-st-etienne.fr) as soon as possible before August 28th.