Date of publication of the job offer: 19 February 2021

Job title: Young researcher (pre-doctoral student) for Cell Biology Group (PI: Pura Muñoz-Cánoves).

Job description

We are looking for highly motivated and ambitious **Young researcher (pre-doctoral student)** to join our research team, working at the Department of Experimental and Health Sciences of the Pompeu Fabra University (UPF) at the PRBB, in Barcelona. We study the mechanisms underlying the loss of stem cell regenerative decline with aging or disease, and in particular the failure in proteostasis and entry into senescence of aging stem cells, as well as potential mechanisms to reverse these associated defects.

This position is financed by financed by La Marató through a competitive grant entitled "Cellular Senescence, A Novel Target To Combat And Ameliorate Duchenne Muscular Dystrophy" (Reference: 202021).

You will be employed on the **202021_Marató de TV3** project and be part of a dedicated team of molecular and cell biologists. Your main project will combine molecular biology, mouse genetics and tissue injury-regeneration, as well as senescence approaches, to define the causes of senescence entry of skeletal muscle stem cells during Duchenne Muscular Dystrophy progression and analyze whether cellular senescence causes loss of muscle regenerative functions.

Highly motivated candidates with a strong interest in stem cells and aging are encouraged to apply. Degree and Master in Biomedical or biological sciences are required for applicants. We will appreciate:

- experience in either of the following areas: mouse genetics, molecular biology, stem cells
- excellent communication skills in written and spoken English
- strong analytical skills, and a problem-solving and result-oriented attitude

Applicants should submit an application containing: motivation letter and CV including contact details for two referees to: Marina Raya Chamorro (marina.raya@upf.edu) and Pura Muñoz Cánoves (pura.munoz@upf.edu)

Application deadline: June 30th, 2021