

# Postdoctoral position in “Mechanisms regulating muscle regeneration and growth”

## Pompeu Fabra University Barcelona (SPAIN)

One postdoctoral position is available in the group of Pura Muñoz-Cánoves at the Pompeu Fabra University (UPF), Department of Experimental and Health Sciences (Cell Biology Unit), in the Barcelona Biomedical Research Park, Barcelona, Spain. Research in the group is focused at identifying novel mechanisms involved in adult myogenesis and regeneration and in the development of inflammation-mediated fibrosis during muscular dystrophies. In the recent years, the group has made relevant contributions to these converging muscle research fields.

### Project description

The project is part of our ongoing efforts to understand the role of p38 MAP kinases in muscle formation, regeneration and growth *in vivo* and of the mechanisms underlying fibrosis development during dystrophy progression (see *e.g.* *Perdiguero et al, EMBO J 2007; Serrano et al, Cell Metabol, 2008; Vidal et al, Genes Dev, 2008*). Specifically, the candidate fellow will be responsible for the generation and characterization of new mouse models for the investigation of the referred aims. In addition, the postdoc is expected to participate and/or initiate other projects related to the laboratory major interests (inflammation and fibrosis).

### Qualifications

Highly motivated candidates with a Ph.D. in Life Sciences are encouraged to apply. The most likely successful candidate will have excellent previous experience in cellular biology. Moreover, it will be an advantage if the candidate has worked with the generation and characterization of transgenic mice, and has a strong background in molecular biology. A background in inflammation will also be positively considered.

### Place of employment and work

The employment is at the Department of Experimental and Health Sciences (CEXS) at the Pompeu Fabra University, within the Cell Biology Unit. The CEXS/UPF is located close to the Barcelona Harbour, in the new Barcelona Biomedical Research Park (PRBB), which hosts excellent research institutes such as the Center for Genomic Regulation (CRG), among others. The PRBB has excellent research facilities in modern laboratories and offers good working conditions with exciting possibilities in a young, dynamic and international research environment.

### Terms of salary and employment

The appointment is for 2 years (Postdoc), and is scheduled to start as soon as possible. The position is funded in part by the European Union (FP7). Salary will be internationally competent. For further information on the position please contact Pura Muñoz-Cánoves ([pura.munoz@upf.edu](mailto:pura.munoz@upf.edu)).

### Application

Applicants should submit his/her application containing the curriculum vitae (in English). Furthermore, the applicants should arrange for two letters of recommendation to be sent to: Marina Raya (e-mail: [marina.raya@upf.edu](mailto:marina.raya@upf.edu)).

### Application deadline: May 31, 2011

Applicants regardless of age, sex, race, religious or ethnical background are invited to apply. *More information about CEX/UPF/PRBB is found on*

<http://www.upf.edu/cellbiology/>

<http://www.prbb.org>

<http://www.icrea.cat/Web/ScientificStaff/Pura-Munoz-Canoves-491>