

Pompeu Fabra University (UPF), PRBB, Barcelona
Cell Biology Group

Postdoctoral position

We are recruiting a highly motivated and ambitious experimental biologist with strong experience in **MAP Kinases, Autophagy and Senescence** who will join our research team, the Cell Biology Group (www.upf.edu/cellbiology), at the Department of Experimental and Health Sciences of the Pompeu Fabra University (UPF) (located at the Barcelona Biomedical Research Park (PRBB), a world-class research institute offering a vibrant community of international researchers and state-of-the-art facilities).

Our group investigates the mechanisms underlying the loss of stem cell regenerative functions with aging, and for this particular position we aim at combining **genome-wide and cutting-edge chromatin approaches**.

You will be employed on the **ERC Advanced Grant 'Stem-Aging'** 5-year project (which started November 2017) and be part of a dedicated team of molecular and cell biologists. You will actively participate and develop a project that requires transcriptomics, epigenetics and bioinformatics, linked to mouse genetics, to define the intricate regulatory circuitry of stem cell aging.

Candidates are expected to be fluent in English, have excellent communication- and inter-personal skills and show critical and independent thinking.

CV, list of publications and contact information for referees should be sent to marina.raya@upf.edu, before June 29th 2018.

Recent publications from the lab

- Solanas G, Peixoto FO, Perdiguero E, Jardí M, Ruiz-Bonilla V, Datta D, Symeonidi A, Castellanos A, Welz PS, Caballero JM, Sassone-Corsi P, Muñoz-Cánoves P*, Benitah SA*. Aged Stem Cells Reprogram Their Daily Rhythmic Functions to Adapt to Stress. **Cell** 170:678-692, 2017
- Proteostatic and Metabolic Control of Stemness. García-Prat L, Sousa-Victor P, Muñoz-Cánoves P. **Cell Stem Cell** 20:593-608, 2017
- Autophagy maintains stemness by preventing senescence. García-Prat L, Martínez-Vicente M, Perdiguero E, Ortet L, Rodríguez-Ubreva J, Rebollo E, Ruiz-Bonilla V, Gutarra S, Ballestar E, Serrano AL, Sandri M, Muñoz-Cánoves P. **Nature** 529:37-42, 2016
- Geriatric muscle stem cells switch reversible quiescence into senescence. Sousa-Victor P, Gutarra S, García-Prat L, Rodríguez-Ubreva J, Ortet L, Ruiz-Bonilla V, Jardí M, Ballestar E, González S, Serrano AL, Perdiguero E, Muñoz-Cánoves P. **Nature** 506:316-21, 2014

