We are recruiting a Bioinformatician / NGS (Next Generation Sequencing) Data Analyst 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) in Barcelona. We investigate the mechanisms underlying the loss of stem cell regenerative decline with aging, by combining genome-wide experiments and cutting-edge genetic, molecular and biochemical assays.

You will be employed on the ERC Advanced Grant 'Stem-Aging' 5-year project (starting November 2017) and be part of a dedicated team of molecular and cell biologists. You will actively participate in projects that combine molecular biology, transcriptomics, epigenetics and bioinformatics, mouse genetics and tissue injury-regeneration, as well as proteostasis and senescence approaches, to define the intricate regulatory circuitry of stem cell aging, and potential rejuvenating strategies.

We are looking for a highly motivated individual who works closely together with wet lab scientists. The tasks include analysis, interpretation and integration of comprehensive, state-of-the-art genome-wide datasets such as RNA-seq, ATAC-seq and ChIP-seq, as well as transcription factor motif analysis, pathway analysis and development and implementation of analysis pipelines. Applicants are expected to hold an academic degree (BSc, MSc, PhD in Bioinformatics, Biostatistics, or Life Sciences) and be proficient in NGS data analysis (e.g. transcriptome profiling data sets), including scripting, programming, statistical analyses and applying common standard analysis tools and algorithms (R/Bioconductor, python, etc). Experience in epigenetic mechanisms of gene regulation and analysis of circadian rhythms is welcome.

Candidates are expected to be fluent in English, have excellent communication- and inter-personal skills and be highly motivated to become an integral part of a driven and dynamic multi-disciplinary team. Strong applicants should show critical and independent thinking.

We offer a dynamic and international working environment at the Department of Experimental and Health Sciences (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.

CV, list of publications and contact information for referees should be sent to: marina.raya@upf.edu

Recent publications from the lab