



Post-Doctoral Fellow Position

Reprogramming & Regeneration Laboratory <http://piacosmalab.com/>

Project Description

A unique opportunity is available for a candidate interested in working in a multidisciplinary environment applying advanced computational analysis in biomedical research at the Center for Genomic Regulation (CRG). The successful candidate will be expected to contribute to research focused on elucidating nuclear architecture and how it regulates nuclear function. He/she will use computational analysis, including artificial intelligence approaches to analyze super-resolution microscopy imaging data and single particle tracking data to resolve the 3D genome structure and chromatin looping as well as the dynamics of nuclear architectural proteins and transcriptional machinery in somatic, cancer and stem cells. In addition, he/she will contribute in projects where the computational analysis applied to super resolution imaging will be used to improve tissue regeneration as prospective therapeutical approach. The successful candidate will be focused in exciting projects which will give new insights into how cells determine their fate, which will also provide applications in translational science.

We are looking for highly motivated individuals holding a Phd in computational science, mathematics, physics or related disciplines with experience and background in the fields of bioinformatics, artificial intelligence, computational programming (Matlab, Python, R and similar) and statistical analysis.

Positively evaluated will be experience with imaging analysis methods, optical methods, and a background in biophysics.

Deadline: Applications will be regularly reviewed until the position is filled.

Advisor:

Maria Pia Cosma, PhD
Reprogramming and Regeneration
Center for Genomic Regulation (CRG)
Barcelona, Spain
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Application:

Please find more info and send your application at:

<https://recruitment.crg.eu/content/jobs/position/computational-scientist-1>

1. Please include a motivation letter addressed to Dr Cosma.
2. A full CV including contacts for references.