



Post doctoral position in the lab Biomechanics of morphogenesis

The Institute

The Centre for Genomic Regulation (CRG), is an international biomedical research institute of excellence, based in Barcelona, Spain, whose mission is to discover and advance knowledge for the benefit of society, public health and economic prosperity.

The breadth of topics, approaches and technologies at the CRG permits a broad range of fundamental issues in life sciences and biomedicine to be addressed. Research at the CRG falls into four main areas: gene regulation, stem cells and cancer; cell and developmental biology; bioinformatics and genomics; and systems biology.

With more than 380 scientists from 42 countries, the CRG excellence is based on an interdisciplinary, motivated and creative scientific team that is supported by high-end and innovative technologies.

The centre's other main strategic goals are: to translate basic scientific findings into benefits for health and economic value for society; to provide advanced and excellent training to our scientists; and to communicate and establish a bilateral dialogue with society.

CRG has received the "HR Excellence in Research" award from the European Commission, which shows the commitment of the institute in conducting transparent and merit-based recruitment procedures and providing attractive working conditions in alignment with the European Charter and Code.

For further information: www.crg.eu

Mission of the role

A fully funded post-doctoral position is available in the group of Jerome Solon. The successful applicant will join a group working on the mechanisms underlying cell/tissue morphogenesis, from nuclear architecture to collective cell behaviour. The proposed project involves the development of image analysis and interpretation methods of super-resolution data and the design of biophysical models of nuclear architecture and cellular organization. The postdoctoral fellow will work on an interdisciplinary project involving strong interaction with biologists and microscopy engineers.

Requirements

Studies:

- University Degree in biophysics, physics, computer science or mathematics

Technical skills required:

- Experience in modelling and theoretical approaches in biology
- Good level in programming and data analysis

Additional beneficial skills:

- Image processing and microscopy experience
- Experience with biological context

Languages:

- Fluent level of English (written and oral)

Soft skills:

- Good communication skills
- Ability to collaborate in international team





The Offer

- **Duration:** 1 year probation with a possibility of extension up to 4 years
- **Estimated annual gross salary:** A competitive salary will be provided, which will be well matched relative to the cost of living in Barcelona, and adjusted according to experience
- **Starting date:** immediate hiring

We offer work in a highly stimulating environment with state-of-the-art infrastructure, providing the successful applicant with unique opportunities to develop a strong technical portfolio.

Application Procedure

All applications must include:

1. A presentation letter addressed to Dr. Jerome Solon.
2. A full CV including contact details.
3. Two contacts for further references.

All applications must be addressed to Dr. Jerome Solon and be submitted by means of on-line application on the official website of the CRG - <http://recruitment.crg.eu/>.

Deadline: Please submit your application by the **1st of May 2016**

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