



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 Scimago Institution Rankings (SIR) World Report 2015 classifies the CRG in 6th position (Health sector), out of over 5,100 research institutions around the world.

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 project proposes to develop an experimental study on the mechanics of epithelial spreading and fusion. It involves *Drosophila* genetics, high-resolution 3D imaging, image analysis, and biophysical modelling. The postdoctoral fellow will work on an interdisciplinary project involving strong interaction between biologists and physicists.

Requirements

- University Degree in cell and developmental biology, biophysics.
- Experience in designing experiments in biology.
- Good level in data and image analysis.

Additional beneficial skills:

- Image processing and microscopy experience.
- Experience with *Drosophila* genetics.

The Offer

- **Duration:** 2 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

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/>.

CRG offers and promotes a diverse and inclusive environment and welcomes applicants regardless of age, disability, gender, nationality, race, religion or sexual orientation.

Deadline: Please submit your application by **September 15th of 2016**.

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