



## HFSP funded Postdoc Position in the Maurer Lab

---

### 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 2014 classifies the CRG in 9<sup>th</sup> position (according to the Q1 indicator, Health sector), out of over 4,800 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](http://www.crg.eu)

### Job description

For our joined HFSP project "Reconstitution of cell polarity and axis determination in a cell-free system" with three other labs the Maurer Lab (<https://maurerlab.net/>) is searching for a postdoc. We are looking for someone with genuine curiosity in basic research and truly interdisciplinary work spanning physics, chemistry and biology. The project focuses on understanding basic mechanisms of symmetry breaking and maintenance of polarity in a cell-free, biomimetic environment. It involves work with cell extract, protein-biochemistry, microfluidics, TIRF and SPIM imaging as well as membrane chemistry.

### Requirements

Applicants need to have at least on first-author paper either accepted or published in an international peer-reviewed journal. We strongly support postdocs to obtain own funding. For that it is essential that applicants meet the eligibility criteria of funding bodies providing postdoctoral fellowships as EMBO, ERC and HFSP.

#### Studies:

- Biochemistry, Physics, quantitative Biology

#### Technical skills required:

- Protein biochemistry, microfluidics, microscopy

#### Additional beneficial skills:

- Knowledge in image analysis tools as e.g. Matlab or basic experience in programming.

#### Languages:

- Fluent level of English





### Soft skills:

This project is embedded in an HFSP network grant with 4 labs involved. Method development in all four labs and exchange of results between the labs require vivid and concise communication, pro-active troubleshooting attitude and the willingness to travel to other institutes to learn and exchange knowledge. We are looking for people willing to wander off into new areas bridging the fields of chemistry, physics and biology.

### The Offer

- **Duration:** we offer a 3-year postdoc position starting in 2016.
- **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:** latest mid of October 2016.

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.

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

### Application Procedure

All applications must include:

1. A presentation letter addressed to Dr. Sebastian Maurer.
2. A full CV including contact details and list of publications
3. Two contacts for further references.

All applications must be addressed to Dr. Sebastian Maurer 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 **June the 17<sup>th</sup> of 2016**

**Centre de Regulació Genòmica (CRG)**  
Doctor Aiguader 88, 08003 Barcelona (Spain)

