



## **Postdoctoral Position in the laboratory of Thomas Graf**

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### **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](http://www.crg.eu)

### **Postdoctoral Position**

A position for a Postdoctoral Fellow is available in the lab of Thomas Graf, in the Gene Regulation, Stem Cells and Cancer Programme. The lab is generally interested in how cells decide what to become. They have developed the fastest and most efficient model systems of transcription factor induced trans-differentiation of and reprogramming into induced pluripotent cells. In particular they are studying how the transcription factor C/EBPa, when expressed in B cells, changes the genome structure (by chromosome conformation capture techniques), chromatin accessibility (by ATACseq and MNase1seq) and occupancy by transcription factors (by ChIPseq), methylation and hydroxyl-methylation of DNA (by bisulfite sequencing genome wide), as well as epigenetic marks and factors that facilitate or impair cell reprogramming (by ChIPseq). The lab is also more interested in the role of RNA binding proteins and ncRNAs in the differentiation of hematopoietic stem cells and in early embryo development.

The candidate will join an international group of about 10 people. She/he will benefit from access to a modern well-equipped laboratory, as well as to the support of the CRG's outstanding Core Facilities. The candidate is expected to apply for an external fellowship but a salary for an initial year can be provided.

### **Requirements**

#### **Studies:**

- Ph.D or M.D./Ph.D. (already obtained or soon-to-be), with at least one first author publication.

#### **Technical skills required:**

- Experience in molecular biology is required.
- Experience in bioinformatics would be highly desirable.
- Experience with differentiation/cell reprogramming would be an advantage.

#### **Languages:**





- Fluent level of English

#### Soft skills:

- Highly motivated person with strong interest in scientific research.
- Ability to work independently
- Interactive person, with good communication skills

#### The Offer

- **Duration:** One year contract, renewable for up to 3 years
- **Estimated annual gross salary:** A competitive salary will be provided, matched to the cost of living in Barcelona, and adjusted according to experience
- **Starting date:** as soon as possible

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 scientific and technical portfolio.

#### Application Procedure

Applications must include:

1. A motivation letter and research interests (past and present) addressed to Dr. Thomas Graf.
2. A full CV including contact details.
3. Contact information for two or three referees.

Applications should be addressed to Dr. Thomas Graf and be submitted by means of on-line application on the official website of the CRG - <http://recruitment.crg.eu/>.

**Deadline:** November 22<sup>nd</sup> of 2015

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