CRG Centre for Genomic Regulation

BIOMEDICAL SCIENCE FOR THE BENEFIT OF SOCIETY

"Postdoctoral position in transcription factor-induced phase transitions during cell reprogramming"

Centre for Genomic Regulation (CRG)

The Institute

The Centre for Genomic Regulation (CRG) is an international biomedical research institute of excellence, based in Barcelona, Spain, with more than 400 scientists from 44 countries. The CRG shares principles of an interdisciplinary, motivated and creative scientific team that is supported by high-end and innovative technologies and a flexible and efficient administration.

CRG has been conferred with a badge of 'HR Excellence in Research' by the European Commission, in recognition to its progress in implementing the European Charter for Researchers and the Code of Conduct for Recruitment of Researchers, that among others consists of transparent, merit-based recruitment procedures and attractive work-life balance working conditions.

For further information: www.crg.eu

The role

The selected postdoc candidate will be involved in current research of the group on the mechanisms of cell reprogramming and transdifferentiation induced by transcription factors. He/she would be involved in studying the role of induced nuclear phase transitions using novel transcription factor mutants developed in the lab.

About the team/ lab/ department

Our laboratory has pioneered the transcription factor-induced transdifferentiation of somatic cells. In particular, we have succeeded in converting mouse B cells into functional macrophages by the enforced expression of C/EBPa, a transcription factor produced by macrophage precursors (Xie et al., Cell, 2004). Using an inducible form of the factor we found that it can convert human B cell leukemia cell lines into non-tumorigenic monocytes (Rapino et al., Cell Reports, 2013). More recently we discovered that C/EPBa also dramatically enhances the reprogramming efficiency of B cells into pluripotent cells (iPSCs) by the Yamanaka factors (Di Stefano, Nature 2014; Nature Cell Biol., 2016). We have analysed various mechanistic levels of transdifferentiation and reprogramming, including the role of genome topology (Stadhouders et al., Nature Genetics, 2018), methylation (Sardina et al., Cell Stem Cell 2018) and cell heterogeneity by single cell analyses (Francesconi et al., eLife, 2019). See also https://thomas-graf-lab.com

Whom would we like to hire?

- You hold a PhD in Biology or related disciplines.
- You have proven experience in molecular biology and in cell culture.
- You are fluent in English

C/ Dr. Aiguader, 88
08003 Barcelona
Tel. +34 93 316 01 00
Fax +34 93 316 00 99
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The Offer

- **Contract duration:** 1 year with the posibility to be extended
- **Estimated annual gross salary:** Salary is commensurate with qualifications and consistent with our pay scales.
- **Target start date:** January 2020.

We provide a highly stimulating environment with state-of-the-art infrastructures, and unique professional career development opportunities.

We offer and promote a diverse and inclusive environment and welcomes applicants regardless of age, disability, gender, nationality, race, religion or sexual orientation.

The CRG is committed to reconcile a work and family life of its employees and are offering extended vacation period and the possibility to benefit from flexible working hours.

Application Procedure

All applications must include:

1. A motivation letter addressed to Dr. Thomas Graf.
2. A complete CV including contact details.
3. Contact details of two referees.

All applications must be addressed to Dr. Thomas Graf and be submitted online on the CRG Career site - http://www.crg.eu/en/content/careers/job-opportunities

Deadline: Please submit your application by 31st of May 2019.

HR EXCELLENCE IN RESEARCH

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