



“Bioinformatics expert on transcriptomic and genomic analyses”

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 is composed by an interdisciplinary, motivated and creative scientific team which is supported both by a flexible and efficient administration and by high-end and innovative technologies.

In November 2013, the Centre for Genomic Regulation (CRG) received the '[HR Excellence in Research](#)' Award from the European Commission. This is a recognition of the Institute's commitment to developing an HR Strategy for Researchers, designed to bring the practices and procedures in line with the principles of the [European Charter for Researchers](#) and the [Code of Conduct for the Recruitment of Researchers](#) (Charter and Code).

[Please, check out our Recruitment Policy](#)

The role

We are seeking a talented computational expert with experience in next-generation sequencing data and genomic analyses. The primary goal of the job is to provide support to the projects carried out in the lab, but the candidate will also be strongly encouraged to develop his/her own projects. The job will involve several major tasks: (i) analysis of alternative splicing and gene expression using bulk RNA-seq; (ii) analysis of single-cell RNA-seq data; (iii) developing custom software and pipelines; (iv) analysis of other omics datasets (CLIP-seq, ChIP-seq, ATAC-seq, etc.).

About the lab

The Irimia lab is an international and multi-disciplinary team focused primarily on elucidating the role of alternative splicing in vertebrate development and evolution. Much of our work focuses on microexons in the nervous system and in endocrine pancreas, a splicing program that we have originally discovered and to which we have made key contributions. In our lab, we combine computational approaches (comparative bulk and single-cell transcriptomics and functional genomics) with experiments using *in vitro* and *in vivo* systems (mouse, zebrafish, and fruitfly). In addition, several projects will be developed in close collaboration with the Valcárcel lab, which investigates the regulation of alternative pre-RNA splicing during development and disease.

Whom would we like to hire?

Professional experience

Must Have

- You have experience in next-generation sequence analyses
- You have experience in genomic analysis





Desirable but not required/ Nice to have

- You have experience on alternative splicing analyses
- You have expertise on single-cell sequencing analysis
- You have experience in evolutionary analyses
- You have experience in diabetes-related research
- You have experience with the generation of scientific visualizations with R

Education and training

- You hold a degree or PhD in disciplines such as Bioinformatics, Physics, Statistics, Biology, etc

Languages

- You are fluent in English

Technical skills

- You have knowledge of various programming languages (at least Python, Perl and/or R)

Competences

- This jobs involves a lot of collaboration with other researchers, therefore the candidate must enjoy working as part of a team
- You have good organizational skills
- You have the ability to interact and collaborate with biologists
- You have the ability to communicate effective both verbally and in writing

The Offer – Working Conditions

- **Contract duration:** 1 year with possibility of extension
- **Estimated annual gross salary:** Salary is commensurate with qualifications and consistent with our pay scales.
- **Target start date:** 2021

We provide a highly stimulating environment with state-of-the-art infrastructures, and unique professional career development opportunities. To check out our training and development portfolio, please visit our website in the [training section](#).

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

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 Manuel Irimia.
2. A complete CV including contact details.
3. Contact details of two referees.

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

Selection Process

- **Pre-selection:** The pre-selection process will be based on qualifications and expertise reflected on the candidates CVS. It will be merit-based.
- **Interview:** Preselected candidates will be interviewed by the Hiring Manager of the position.
- **Offer Letter:** Once the successful candidate is identified the Human Resources department will send a Job Offer, specifying the start day, salary, working conditions, among other important details.

Deadline: Please submit your application by 10/12/2020.



HR EXCELLENCE IN RESEARCH

