

## BIOINFORMATICIAN - REGULATORY GENOMICS (REF.ST\_TV\_33)

The Josep Carreras Leukemia Research Institute (IJC) is a nonprofit research institute based in Badalona and dedicated to advancing our understanding about leukemia and related disorders, in partnership with the University of Barcelona and Autonomous University of Barcelona. The IJC has laboratories in three clinical campuses: i) Clinic Hospital, ii) Sant Pau Hospital and iii) ICO-GTIP. The IJC serves as a collaborative hub for basic investigators and physicians to work together on fundamental biological and clinical aspects of leukemia. The IJC offers an excellent working environment built around an excellent environment and state-of-the-art facilities.

### Research Description

We are looking for a **Bioinformatician (specialist technician)** to contribute to the research of the Regulatory Genomics group (PI: **Tanya Vavouri**). The position is funded by a grant from the Spanish Ministry of Science and Innovation aiming to understand the effects of different types of genetic variants on the expression of genes and small noncoding RNAs in mouse. We are particularly interested in PIWI-interacting RNAs (piRNAs) which is a class of small non-coding RNAs expressed predominantly in the germline.

The contract will be funded by the Agencia Estatal de Investigación. PID2019- 111676GB-I00 / AEI / 10.13039/501100011033.

Group webpage:

<https://www.carrerasresearch.org/en/regulatory-genomics>

### What we need

- Bachelor's degree in Biological Sciences / Bioinformatics / Computer science or similar.
- You have some experience analysing genomics data (human or mouse).
- Computing skills: Experience using the command line is essential. Some experience writing pipelines in bash and/or a programming language such as perl, python or other is also required.
- Experience using the R statistical language for analysing data is essential.
- Strong motivation to work on a basic research topic.
- Languages skills: fluent command of English (written, oral).
- Good scientific writing skills.

### Main Responsibilities

- The researcher will analyse omics data, mainly RNA-seq and small RNA-seq. The researcher will be expected to contribute intellectually to the design of the analyses, the interpretation of data and the writing of manuscripts derived from this work.

## What we offer

- An exciting and innovative research project.
- Working in the research environment of the Josep Carreras Leukaemia Research Institute.
- The stimulating environment of the Barcelona metropolitan area.
- Salary commensurate with qualifications
- Preferential start date: asap
- Temporary position.

## How to apply

To apply for this opportunity, please send your resume and a cover letter describing your work experience, research interests and how they fit the research topic (incl. the contact details of two referees) to [jobs@carrerasresearch.org](mailto:jobs@carrerasresearch.org), putting in cc: [tvavouri@carrerasresearch.org](mailto:tvavouri@carrerasresearch.org).

## Deadline for applications

Please submit your application by May 16<sup>th</sup>, 2021.

## Who we are?

Our mission is to carry out research into the basic, epidemiological, preventive, clinical and translational aspects of leukemia and other hematologic malignancies.

The vision of the Josep Carreras Leukaemia Research Institute is that research will identify new therapeutic targets and enable us to develop more precise and less aggressive treatments. We aspire to understand the origin and development of leukemias and other malignant hematological pathologies in order to be able to prevent them. We will work for a future in which all leukemias will be curable.

For further information, please, visit our webpage: <http://www.carrerasresearch.org/en> and the Josep Carreras nonprofit organization: <https://www.fcarreras.org/en>.



The European Commission awarded the IJC the HR Excellence seal in July 2019. The IJC continues to work to maintain its policies in line with the Charter and Code principles.

The HRS4R has the main objective of ensuring that research centers of excellence implement and respect the requirements of the European

Charter for Researchers and the Code of Conduct for hiring researchers (from here on referred to as the Charter and Code) within their human resources policies-

This EC initiative aims to promote training, professional development, and mobility for all European scientists. The IJC supports these values and principles, which will not only serve to strengthen its internal policies but will actively stimulate excellent research and firmly situate the organization as an institution with a stimulating working environment that favors the development of its scientists.

**IJC is an equal opportunity employer. We evaluate qualified applicants without regard to race, color, religion, sex, national origin, disability, and other legally protected characteristics.**