

SUPERIOR BIOINFORMATICS TECHNICIAN (REF.: SBT_ME_39)

The Josep Carreras Leukaemia Research Institute (IJC) is a non-profit research institute based in Barcelona and dedicated to advancing our understanding about leukaemia and related disorders, in partnership with the University of Barcelona and University Autònoma of Barcelona. The IJC has laboratories in three clinical campuses: i) Clinic Hospital, ii) Sant Pau Hospital and iii) Germans Trias i Pujol Hospital. IJC serves as a collaborative hub for basic investigators and physicians to work together on fundamental biological and clinical aspects of leukaemia. The IJC offers an excellent work environment built around a multi-disciplinary fusion of ideas and state-of-the-art facilities.

Research Description

The Josep Carreras Research Institute is looking for a **Superior Bioinformatics Technician** in the field of molecular biology. This person will be responsible for the identification of novel methylated genes via high-throughput screening methods (MeDIP, gene expression data analysis to predict methylation targets, sequencing...).

The **Bioinformatics Unit** at IJC provides both IJC and external researchers with high-quality computational analysis services covering all the project aspects related to clinical and biological data. This includes experimental design for NGS or microarray experiments, statistical consulting, NGS and microarray data analysis and integration, scientific database management and software design and implementation. We also provide training on different bioinformatics topics as well as usage of HPC (high-performance computing) resources.

What we need

- Master degree in Bioinformatics or Computational Biology, or at least 4 years equivalent experience in Molecular Biology, Bioengineering, Computer Science or Bioinformatics, PhD will be an asset.
- Experience in epigenetic research and related bioinformatics analysis.
- Good communication skills in English.
- Motivated to achieve a high quality at work.
- Expertise in the use and administration of HPC computing systems is an asset.
- Experience in quality systems applied to clinical software development (ISO-13485) will be an asset.

Main Responsibilities

- Identification of novel methylated genes via high-throughput screening methods (MeDIP, gene expression data analysis to predict methylation targets, sequencing...).

- To carry out research and teaching, focused on the deep understanding of epigenetic disruptions in malignant transformation.
- Possible use for better diagnosis, prognosis and treatment of epigenetic disruptions in malignant transformation.

What we offer

- Incorporation in a multinational and highly collaborative team.
- An innovative and interdisciplinary research project.
- Mixed basic and clinical research environment of the Josep Carreras Leukaemia Research Institute.
- Full time.
- Salary to be defined depending on candidate experience.
- This is a permanent position. A permanent contract will be signed if some of the assumptions established in the 2018 General State Budget are fulfilled. If they are not, the position will be covered by a temporary contract until the legal and financial measures established by the General Budget of the Government of Catalonia and the basic rules of the General State Budget permit a new call to cover this vacancy with a permanent contract.

How to apply

To apply for this opportunity, please send your resume and a cover letter (incl. the contact details of two referees) to jobs@carrerasresearch.org, including the reference **REF.: SBT_ME_39**.

Deadline for Applications

Please submit your application by **May 25th, 2021**.

Who we are?

Our mission is to carry out research into the basic, epidemiological, preventive, clinical and translational aspects of leukaemia 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 leukaemia and other malignant haematological pathologies in order to be able to prevent them. We will work for a future in which all leukaemias will be curable.

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



HR EXCELLENCE IN RESEARCH

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.