

POSTDOCTORAL RESEARCHER - CHROMATIN BIOLOGY LABORATORY (REF.: PR_AV_11)

The Josep Carreras Leukaemia Research Institute (IJC) is a nonprofit 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 de 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.

We welcome applications from outstanding researchers eager to study Chromatin Biology Lab, at Research Group of **Dr. Alex Vaquero**. Our group is interested in the role of genotoxic and metabolic stress response in the epigenetic maintenance of genome stability and in hematological malignancies. In particular, we aim to understand the functional implication of the members of the Sirtuin family, a group of NAD-dependent deacetylases and ADP-ribosyltransferases, in hematopoiesis and Leukemia.

Please also visit our group webpage:

https://www.carrerasresearch.org/en/chromatin-biology-laboratory_126406

What we need

- A high level of motivation and interest.
- PhD title with experience in the study of Sirtuins at a proteomic, genomic and enzymatic level
- Experience in genome stability analysis, chromatography and *in vivo* mouse studies
- High level of collaborative and communicative skills.
- Good level of English speaking and writing skills (required).

Main responsibilities

- To study the role of Sirtuins (SIRT7) in B-cells *in vitro* and *in vivo* using cell line and mouse models of SIRT7 knockdown.
- To perform Proteomic and genome-wide genomic analysis of SIRT7.
- To define the molecular mechanism of SIRT7 action through the enzymatic characterization of SIRT7 and the identification of novel interactors and/or enzymatic targets of SIRT7 in this context.
- FACS sorting and Cell biology analysis of SIRT7 function.
- To correlate SIRT7 expression levels with leukemia using cell lines and patient samples

What we offer

- A postdoctoral contract funded by Fundación Asociación Española Contra el Cáncer (FAECC) under Proyectos Estratégicos AECC 2021, ref: **PROYE20042VAQU**.
- A salary that with commensurate your qualifications.
- The stimulating environment of the IJC and its scientific network.

How to apply

To apply for this opportunity, please send your resume and a cover letter and (incl. the contact details of two referees) to jobs@carrerasresearch.org including the reference **PR_AV_11 in the email subject**.

Deadline for Applications: 8th March 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.