

PhD STUDENT - EPIGENETICS AND IMMUNE DISEASE (REF.: PHD_EB_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

A **PhD position** is available in the **Epigenetics and immune disease Group led by Dr Esteban Ballestar**. Research in our group focuses on understanding the mechanisms underlying the deposition and removal of epigenetic modifications in immune cells, the influence of genetic and environmental determinants, and the acquisition of defects in the context of immune-related disease including primary immunodeficiencies, autoimmune and autoinflammatory diseases. We also investigate the impact of the epigenetic regulation of immune cells in the microtumour environment.

Please also visit our group webpage:

https://www.carrerasresearch.org/en/epigenetics-and-immune-disease_124402

What we need

- MSc in Biology, Biomedicine, Bioinformatics or similar
- A high level of motivation and interest
- Advanced level in data analysis (Excel, R, Python...).
- Excellent communication and organizational skills.
- Excellent level of oral and written English
- Previous research experience in handling immune cells
- Previous research experience in cell cultures under BSL2
- Experience in flow cytometry and cell separation methods

What we offer

- A 4-year PhD position starting in September/October 2020
- An exciting and innovative research project.
- Incorporation in a multinational and highly collaborative team.

- Working in the mixed basic and clinical research environment of the Josep Carreras Leukaemia Research Institute.

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 REF.: PHD_EB_39

Deadline for Applications

Please submit your application by August 20th, 2020.

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>

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.