

PhD STUDENT - CANCER HETEROGENEITY AND HIERARCHIES (REF: PHD_VR_19)

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 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.

Research Description

The Cancer Heterogeneity and Hierarchies Group led by Dr **Veronica Rodilla**, is looking for a **Phd student**.

We are a newly-created group passionate for cellular hierarchies and cancer heterogeneity. Our laboratory studies the key signals governing stem cell and cell fate specification during malignant progression and the mechanisms by which different signaling pathways controls cell plasticity in both normal and pathological contexts. Concretely, we combine the use of murine transgenic models, human Patient-derived xenografts and 3D-organotypic cultures to unravel cellular hierarchies within tumors for better understanding cancer heterogeneity.

Our ultimate mission is contributing to improve the treatment of choice of cancer patients by searching for novel therapeutic strategies.

Please also visit our group webpage:

https://www.carrerasresearch.org/en/cancer-heterogeneity-and-hierarchies_158539

What we need

- MSc in Biology, Biomedicine or similar
- A high level of motivation and interest
- Excellent communication and organizational skills
- Excellent level of oral and written English
- Good academic records that allow the candidate to apply for competitive PhD calls

Not required but highly valued:

- English language certificate B2
- Previous experience in cellular and molecular biology
- Animal Manipulation Certificate

What we offer

- An exciting and innovative research project
- Incorporation in a newly-created and highly motivated 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 CV and a cover letter and (incl. the contact details of two referees) to jobs@carrerasresearch.org including the reference **REF.: PHD_VR_19**.

Deadline for Applications

Please submit your application by **May 1st, 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>



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.