

**Josep Carreras Leukaemia Research Institute (IJC)** endorses the Requirements and Principles of the European Charter for Researchers, the Code of Conduct for the Recruitment of Researchers, and Open, Transparent, Merit-based recruitment promoted by the European Commission and follows Equal Opportunities policies. On 9 July, 2019, IJC was awarded the "HR Excellence in Research" logo. This recognition reflects the commitment of the Institute to the continuous improvement of its human resources policies in line with the Charter & Code. The Institute works to ensure fair and transparent recruitment and appraisal procedure

## PhD POSITION - EPIGENETIC CONTROL OF HAEMATOPOIESIS (REF.: 2019/180)

The Josep Carreras Leukemia Research Institute (IJC) is a nonprofit research institute based in Barcelona and dedicated to advancing our understanding about leukemia 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 leukemia. The IJC offers an excellent work environment built around a multi-disciplinary fusion of ideas and state-of-the-art facilities.

### Research Description

The team of José Luis Sardina at the Josep Carreras Leukaemia Research Institute is looking for a highly motivated researcher at the PhD student level to help them to uncover how aberrations in the chromatin (focusing at distal gene regulatory regions) impact in the onset and progression of blood malignancies (including leukaemia and myelodysplastic syndromes among others).

To tackle this project, we will profile: DNA methylation dynamics (by custom bisulfite-seq), chromatin accessibility and activity (by ATAC-seq and ChIP-seq for histone modifications) and transcriptional status (by RNA-seq) in a model of induced loss of leukemogenicity and in patient-derived leukemic samples harbouring mutations in key epigenetic regulators.

### What we need

- Master title (or equivalent) in Biomedical Sciences.
- Competitive academic record.
- A high level of motivation and interest.
- Fluent in English

### Skills Specifications

- Previous research experience in:
  - Molecular biology: Cloning, nucleic acid isolation, PCR, Western blot...
  - Cell biology: Cell culture, primary cell isolation, transfection, infection, immunofluorescence, Flow Cytometry...
  - Animal work: Accreditation required.
- Advanced level in data analysis (Excel, R, Python...).
- Excellent communication and organizational skills.

## What we offer

- Incorporation in a multinational and highly collaborative team.
- An exciting and innovative research project.
- The stimulating environment of the Barcelona metropolitan area.
- Contract details will be negotiated and take into account the track record of the candidate.
- Preferential start date: 2 January 2020

## For more information

Please also visit our group webpage:

[http://www.carrerasresearch.org/en/epigenetic-control-of-haematopoiesis\\_129594](http://www.carrerasresearch.org/en/epigenetic-control-of-haematopoiesis_129594)

## How to apply

Interested applicants should send their CV (incl. the contact details of three referees) and a motivation letter to: [rrhh@carrerasresearch.org](mailto:rrhh@carrerasresearch.org)

**Deadline for applications:** 5 December 2019

### Josep Carreras Leukaemia Research Institute (IJC)

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

The laboratories of the institute are on three campuses: the ICO-Germans Trias Campus on the Can Ruti Campus in Badalona; the Clinic-UB Campus in the University of Barcelona Faculty of Medicine on the Hospital Clinic campus in Barcelona and in the future on the Sant Pau Hospital Campus in Barcelona.

The legal address of the IJC is Muntaner 383, 3rd 2nd / 08021 Barcelona but CHECK which campus this job is located on.

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**The IJC is an equal opportunities employer**