

## Predoctoral position in Hematology (REF. 2017/ 136)

### Research Description

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The Josep Carreras Leukaemia Research Institute (IJC) is a recently founded institute combining basic and applied haematological cancer research.

We are looking for a highly motivated predoctoral researcher who is interested in joining a young and dynamic laboratory that applies state-of-the-art technology in Translational Medicine in haematology, RNA biology, genetics and iron metabolism.

The main research interests of the lab are:

- 1) to explore molecular links between haematology and iron metabolism identifying and characterizing new mRNAs regulated by the IRP/IRE system (Sanchez et al, Blood 2011 Nov 24;118(22):e168-79);
- 2) to study the mitochondrial iron-overload phenotype in Myelodysplastic Syndrome patients;
- 3) to work in iron-related diseases, including congenital dyserythropoietic anaemias and other hereditary haematological diseases by doing genetic studies and using Next generation sequencing (NGS)

These studies are financed under the national grants: CODYSAN2017 Towards the improvement of diagnosis and treatment in Congenital Dyserythropoietic Anaemias and SAF2015-70412-R Uncovering new molecular and pathophysiological networks in iron metabolism, (PI: M. Sanchez). Patient samples are provided by established partnerships with international clinical groups and national hospitals. We rely on cell culture and a wide variety of biochemical/genetic techniques.

### Requirements

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We are looking for an enthusiastic candidate, who wants to work in a young and efficient team to address new and challenging aspects of haematology and iron metabolism.

Selection criteria:

- **Degree and Master** in Biology, Biotechnology, Biochemistry, Biomedicine, Genetics or related subject
- Good academic marks and high motivation for research, include in your CV your academic average marks over 10.
- Proven **Laboratory experience** especially in **haematology, genetics, microscopy, RNA Biology, mouse work, and/or iron biology** and knowledge of scientific programmes such as GraphPad, VectorNTI, Mutator Surveyor, or similar.
- Good communication skills
- Languages: English (required), Spanish (helpful)
- Short-stages in foreign laboratories will be considered a plus, as well as publications in peer-reviewed journals, please include them in your CV with complete list of authors, journal name and impact factor..

### What we offer

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- Predoctoral contract of 1 year with a provision period of 6-months. Contract renewal for up to 4 years.

- Expected starting date: From February 2018

## For more information

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For additional information concerning the post description please contact [msanchez@carrerasresearch.org](mailto:msanchez@carrerasresearch.org) or visit our homepage ([www.carrerasresearch.org](http://www.carrerasresearch.org)).

## How to apply

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Interested applicants should send their CV, letter of motivation and names of two referees (with email and phone number) to [rrhh@carrerasresearch.org](mailto:rrhh@carrerasresearch.org).

**PLEASE MENTION the REFERENCE in the subject of the mail or your application may not reach the right person.**

## Deadline for applications

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The call will be open until 25rd January 2018

### 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.

T. +34 93 557 28 00 / F. +34 93 465 14 72 [www.carrerasresearch.org](http://www.carrerasresearch.org)

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**The IJC is an equal opportunities employer**