

**Predocctoral position in Hematology, RNA Biology and Iron Metabolism at the Josep Carreras Leukaemia Research Institute (IJC), Badalona, Barcelona**  
**Hematology, RNA Biology and Iron Metabolism**

***Post description:***

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 predocctoral 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 doing genetic studies and using Next generation sequencing (NGS)

These studies are financed under the national and international grants: SAF2015-70412-R Uncovering new molecular and pathophysiological networks in iron metabolism, and DJCLS R 14/04 Deutsche Josep Carreras Leukämie-Stiftung Myelodysplastic syndromes: cause of mitochondrial iron overload in sideroblastic anemia (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.

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)).

***Requirements:***

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, Genetics or related subject
- Good academic marks and high motivation for research
- Proven **Laboratory experience** especially in **haematology, microscopy, RNA Biology, mouse work, and/or iron biology**.
- Good communication skills
- Languages: English (required), Spanish (helpful)
- Abroad laboratory experience will be a plus, as well as publications in peer-reviewed journals.

***Conditions:***

- 4-year predocctoral contract. Additional expenses connected to the project are provided (i.e. attendance to courses and congresses).
- Expected starting date: From January/February 2017

***How to apply:***

Please send your application to [msanchez@carrerasresearch.org](mailto:msanchez@carrerasresearch.org) **before 27<sup>th</sup> January 2017**. Please include:

- Subject of email: Candidate Predoc-2017
- Letter of motivation
- A CV including your contact details and provide detailed information concerning fulfilling of selection criteria
- Names of two referees (with email and phone number)