

Looking for Postdoctoral Researchers Marie Skłodowska-Curie Individual Fellowships Call (REF 2017/40)

Research Description

MDS are a heterogeneous group of haematological stem cell disorders resulting in bone marrow failure and blood cytopenias. The severity of the disease depends on a variety of biological factors that translate into a spectrum of symptoms with a profound impact on the patient's quality of life and survival. A third of MDS patients will die after progressing to Acute Myeloid Leukaemia (AML). The remaining two thirds of patients will suffer from a combination of chronic anaemia, recurrent infections and bleeding episodes and will die from complications associated with cytopenias. MDS is one of the most common haematological malignancies of the elderly and its prevalence is increasing.

Our research is focused in unravelling the heterogeneity of Myelodysplastic Syndromes (MDS) beyond symptomatic and morphological description. Despite recent scientific advances in the field, there are still no clear disease markers which facilitate diagnosis and prognosis in clinical practice. No single genetic aberration is common to all subtypes or specific to MDS and patients present varying proportions of abnormal cells with different genetic defects. A more detailed knowledge of the genome of leukemic cells will allow us to make more informed medical decisions, to initiate appropriate therapies earlier, to achieve higher probability of successful treatment resulting in better targeted therapies.

The current composition of the group includes 1 PI, 1 PhD, 3 PhD students and 2 technicians

Our laboratory is focused in sample processing from myeloid disease related patients and its data integration. Samples of newly diagnosed patients and successive follows up will be processed according to a mix of state-of-art and clinically routine techniques:

- Single Nucleotide Polymorphism microarray (SNP arrays)
- Whole-Genome Sequencing
- Whole-Exome Sequencing
- Targeted sequencing to determine the mutational landscape
- Epigenetic profiling including DNA methylation and microRNAs expression

Clinical routine techniques:

- Cytogenetics of bone marrow and peripheral blood cells
- Fluorescence in situ hybridization (FISH)
- Flow cytometry

Main Responsibilities:

We are looking to receive the CVs of postdoctoral researchers willing to apply to the Marie Skłodowska Grants with us.

During the preparation of the proposals the supervisor, the fellow and the Research Support Unit might be invite other research staff to train the fellow in some research areas not covered by the group. The main responsibilities of the postdoc will be described in the MSCA proposal and will be jointly set up with the supervisor (Dr. Francesc Solé).

Requirements:

All suitably qualified candidates irrespective of gender or nationality are welcome to apply as long as the following conditions have been fulfilled:

- Applicants should be high motivated to work in the field of leukemia, stem cells, leukemic stem cells and functional flow cytometry.
- Applicants should have good knowledge of English, both written and oral.
- Experience in flow cytometry and hematological malignancies is needed, basic background preferred.
- The researcher must be an Experienced Researcher: s/he must, at the deadline for the submission of proposals, be in possession of a doctoral degree or have at least four years of full-time equivalent research experience.
- **Full-Time Equivalent Research Experience** is measured from the date when a researcher obtained the degree which would formally entitle him/her to embark on a doctorate, either in the country in which the degree was obtained or in the country in which the researcher is recruited, irrespective of whether or not a doctorate is or was ever envisaged.
- The researcher must **move or have moved** (transnational mobility) **from any country to the MS or AC** where the beneficiary is located.
- The researcher must comply with the **mobility rule**: Only available to candidates who have not been resident in Spain for more than 12 months in the past three years
- More information regarding the MSCA Call at:

<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/msca-if-2017.html>

What we offer

- Full equipped lab and access to all core facilities necessary for this project.
- Young and dynamic environment.
- Salary: see the Marie Curie rates for Spain. These rates are a gross EU contribution to the salary costs of the researcher. Consequently, the net salary results from deducting all compulsory (employer/employee) social security contributions as well as direct taxes (e.g. income tax) from the gross amounts (depending of the family situation of the fellow the grant might change the final salary).

For more information:

http://www.carrerasresearch.org/en/Myelodysplastic_Syndromes

How to apply:

Interested applicants should send their CV (containing the contact details of two referees) and a motivation letter: rrhh@carrerasresearch.org with copy fsole@carrerasresearch.org.

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

Deadline for applications: 30/06/2017

Deadline MSCA: 14/09/2017

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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