



## POSTDOCTORAL BEATRIU DE PINÓS FELLOWSHIP IN CANCER GENETICS – Ref: BdP\_MS\_2021

The Josep Carreras Leukemia Research Institute (IJC) is a nonprofit research institute based in Badalona and dedicated to advancing our understanding about leukemia and related disorders, in partnership with the University of Barcelona and Autonomous University of Barcelona. The IJC has laboratories in three clinical campuses: i) Clinic Hospital, ii) Sant Pau Hospital and iii) ICO-GTIP. The 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 working environment built around an excellent environment and state-of-the-art facilities.

### Research Description

We welcome applications from outstanding researchers eager to study “The genetics that underlie cancer development and key molecule/s (Achilles’ heel/s) that need to be blocked to effectively reduce cancer growth.” **at Dr. Montse Sanchez-Céspedes’ Cancer Genetics Group for the Beatriu de Pinós Fellowships Call.**

Dr. Sánchez-Céspedes, principal investigator of the Cancer Genetics Group, is involved in the determination of genetic profiles in cancer. Our group is interested in pursuing the use of exome and RNA sequencing to discover novel genes altered in lung cancer and the description of genetic profiles. We also undertake functional and mechanistic analysis for the dissection of pathways. Currently we have three main projects in the lab: 1) Study of the abnormalities at MYC/MAX/MGA and BRG1-(SWI/SNF) related pathways. Using high throughput technologies, including chromatin immunoprecipitation sequencing (ChIP-seq) and immunoprecipitation–mass Spectrometry (IP-MS), we aim to understand the functional connection between these pathways and how their abnormal function contributes to tumour development. 2) Identifying molecular vulnerabilities that can be used therapeutically and 3) Identification of markers that predict response to tyrosine kinase inhibitors (TKIs) and to immuncheckpoint inhibitors. Study of the mechanisms that underlie acquired resistance to tyrosine kinase inhibitors and to immuncheckpoint inhibitors in lung cancer.

Please also visit our group webpage:

[https://www.carrerasresearch.org/en/cancer-genetics\\_124455](https://www.carrerasresearch.org/en/cancer-genetics_124455)

### What we need?

Applicants must meet the Scheme’s eligibility requirements, outlined below:

- Have obtained the doctoral degree between January 2013 and December 2018.
- Have a minimum of two years of postdoctoral experience outside Spain.
- Have not resided or worked in Spain for more than 12 months in the last three years.



## What we offer?

We offer the opportunity to contribute to cutting-edge research projects in a competitive and dynamic international environment, in one of the leading Epigenetics labs in the world.

The Beatriu de Pinós grant provides living allowance covering three years' salary as well as training and networking costs, which translates in a very competitive salary conditions to the average cost of living in Barcelona, which is a dynamic, vibrant and multi-cultural European capital city.

For more information about the financial aspects, you can check the [Guide for applicants](#).

Please note, that a labour contract with IJC includes automatically your registration in the Spanish Social Security System, covering you in term of medical assistance. Consequently, you will pay social security contributions and Personal taxes, deducted directly from the gross salary.

For more information, please visit [Tax Agency](#).

## How to apply?

If you are ready to take the next step in your research career send your expression of interest and if the Scientific Supervisor accepts your candidature, you will jointly submit a Beatriu de Pinós Fellowship proposal to the open AGAUR call. Therefore, you must be available to work in the Beatriu de Pinós proposal considering that the call deadline is 11/03/2021.

Candidates must send an updated CV with the contact details, a motivation letter and a one-page research project outline to [jobs@carrerasresearch.org](mailto:jobs@carrerasresearch.org) indicating in the subject of the message: BdP\_MS\_2021 candidate.

## Deadline for Applications:

**Deadline expression of interest: March 2<sup>nd</sup> 2021**

**Deadline Josep Carreras Institute for revision and submission: March 8<sup>th</sup> 2021**

**Deadline Beatriu de Pinós call: March 11<sup>th</sup> 2021**

## Additional Information

More information can be obtained by consulting the Beatriu de Pinós call page.

<https://agaur.gencat.cat/es/beques-i-ajuts/convocatories-per-temes/Ajuts-per-a-la-incorporacio-de-personal-investigador-postdoctoral-al-sistema-catala-de-ciencia-i-tecnologia-dins-del-programa-Beatriu-de-Pinos-BP-2020>

## Who we are?

Our mission is to carry out research into the basic, epidemiological, preventive, clinical and translational aspects of leukemia 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 leukemias and other malignant haematological pathologies in order to be able to prevent them. We will work for a future in which all leukemias 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 Josep Carreras Institute is member of the Research Centers of Excellence of Catalonia (CERCA, Catalan Government), also accredited by the Spanish Ministry of Health as Health Research Centre of Excellence (ISCIII) and by the Spanish Association Against Cancer (Asociación Española contra el Cáncer, AECC). The institute also holds the HR Excellence in Research recognition awarded by the European Commission.



HR EXCELLENCE IN RESEARCH

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 favours the development of its scientists.

**IJC is an equal opportunity employer. We evaluate qualified applicants without regard to race, colour, religion, sex, national origin, disability, and other legally protected characteristics.**