



## **IMIBIC HOSTING OFFER: LaCaixa INPhINIT Doctoral Fellowship Programme**

### **Description of the Programme**

INPhINIT is a doctoral fellowship programme devoted to attracting international Early-Stage Researchers to the top Spanish research centres in the areas of Bio and Health Sciences, Technology, Engineering and Mathematics. INPhINIT is promoted by the "la Caixa" Foundation with the aim of supporting the best scientific talent and fostering innovative and high quality research in Spain by recruiting outstanding international students and offering them an attractive and competitive environment for conducting research of excellence.

The current INPhINIT call recruits 57 Early-Stage Researchers of any nationality, who enjoy a 3-year employment contract at the Research Centre of their choice among those selected and awarded by the Spanish Ministry of Economy and Competitiveness ("Severo Ochoa" centres of excellence and "Maria de Maeztu" units of excellence) and the Spanish Ministry of Health ("Carlos III centres of excellence"). In addition, researchers establish a personal career development plan including transnational, intersectoral and interdisciplinary mobility opportunities, and attend a full range of complementary training courses and workshops.

INPhINIT relies on the European Commission's support through the Horizon 2020 Marie Skłodowska-Curie Actions - COFUND programme to recruit a larger number of researchers and achieve a broader impact, as well as to further pursue the highest standards for research training.

### **IMIBIC Hosting Offer**

The Maimonides Biomedical Research Institute of Cordoba (IMIBIC) act as host organisations within the INPhINIT programme by offering prestigious PhD open positions in which INPhINIT researchers may develop their doctoral research project.

### **Eligibility Criteria**

- 1) At the publication date of the final list of selected candidates (29 may 2018), applicants must be in the first four years (full-time equivalent research experience) of their research careers and not yet have been awarded a doctoral degree.
- 2) At the time of recruitment, candidates must comply with one of the following options:
  - To have completed the studies that lead to an official Spanish (or from another country of the European Higher Education Area) university degree awarding 300 ECTS credits, of which at least 60 ECTS credits must correspond to master level.
  - To have completed a degree in a non-Spanish university not adapted to the European Higher Education Area that gives access to doctoral studies. The verification of an equivalent level of studies to the ones mentioned above will be made by the university when the admission procedure starts.
- 3) Candidates must not have resided or carried out their main activity (work, studies, etc.) in Spain for more than 12 months in the 3 years immediately prior to the publication date of the final list of selected candidates (29 may 2018). Short stays such as holidays will not be taken into account when calculating the mobility requirement.
- 4) Candidates must have a demonstrable level of English (B2 or higher).
- 5) Only candidates whose submitted application fulfil all the requirements will be eligible.

### **Offered Positions:**

- 3D scanning technologies with mobile sensors for monitoring people body changes (Dr. Rafael Muñoz Salinas)
- Bone and vascular disorders induced by WNT alterations during chronic kidney disease (Prof. Mariano Rodríguez Portillo)
- Clinical virology and zoonosis (Prof. Antonio Rivero Román)
- Epigenetic editing in tumor cells (Prof. Teresa Roldán Arjona)
- Experimental and biocomputational approaches to the study of splicing dysregulations in cancer: Identification of novel diagnostic, prognostic and therapeutic biomarkers (Prof. Justo P. Castaño)
- Finding new molecular strategies in Acute Leukemias (Dr. Joaquín Sánchez García)
- Flexible patterns to describe medical alerts (Prof. Sebastián Ventura Soto)
- Gesture recognition from aerial vehicles (Dr. Rafael Muñoz Salinas)
- Improving Automatic Medical Diagnosis by Deep Learning (Prof. Sebastián Ventura Soto)
- Interlinking lipidomic with type 2 diabetes (Prof. José López-Miranda)
- Molecular basis and clinical epidemiology of the multi-drug resistance (Prof. Julián Torre-Cisneros )
- Molecular basis for heteroresistance to antibiotics in bacteria causing nosocomial infections (Prof. Luis Martínez-Martínez)
- New molecular mechanisms in the pathological interaction between obesity and cancer: alternative splicing, miRNAs and extracellular vesicle as potential biomarkers and therapeutic targets (Dr. Raul M. Luque Huertas)
- Relationships between nitric oxide and molecular subtypes in colorectal cancer: identification of new therapeutic strategies (Dr. Antonio Rodríguez Ariza)
- Role of protein kinase DRYK2 in the control of tumour development (Prof. Marco Antonio Calzado Canale)
- Spondyloarthritis: The impact of post-transcriptional control mechanisms (microRNAs and alternative splicing) in ankylosing spondylitis pathogenesis (Dr. Yolanda Jiménez Gómez)
- The role of the immune system activation to eliminate circulating tumour cells and to prevent hepatocellular carcinoma recurrence after liver transplantation (Prof. Manuel De la Mata García)
- Translational Research in Reproductive and Metabolic Medicine: Focus on Polycystic Ovarian Syndrome (PCOS) (Prof. Manuel Tena-Sempere)
- Unraveling novel players in the development of metabolic disease in obesity (Prof. María M. Malagón)

You can find each of these offers via the **Offer Finder**, available at:

<https://hosts.lacaixafellowships.org/finder>

by searching the **offer's title** in the field:

"SEARCH BY PROJECT TITLE / JOB POSITION TITLE"

### **How to Apply:**

If you want to apply for an INPhINIT fellowship, click on the link below to create your personal account and fill in the on-line application form:

<https://www.lacaixafellowships.org/index.aspx>

**Schedule:**

1 February 2018	End of the call for applications.
15 February 2018	Deadline for presenting the language certificate.
18 April 2018	Notification of the shortlist results.
16 and 17 May 2018	Face-to-face interviews in Barcelona.
29 May 2018	Publication of the final list of selected candidates.
From 29 May 2018 to 22 June 2018	Matching research centre – fellow.

**More Information:**

Call for application:

<https://obrasociallacaixa.org/en/investigacion-y-becas/programa-de-becas-de-posgrado/inphinit/call-for-application>

Programme Rules:

[https://obrasociallacaixa.org/documents/10280/602603/bases\\_inphinit\\_en.pdf/3e1ab449-62eb-46dc-869c-4cdd21e8e193](https://obrasociallacaixa.org/documents/10280/602603/bases_inphinit_en.pdf/3e1ab449-62eb-46dc-869c-4cdd21e8e193)

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