

OPEN CALL AT IRB BARCELONA

Open call for Postdoctoral Candidates to apply for Juan de la Cierva Formación 2020.

IRB Barcelona is a world-class research centre devoted to understanding fundamental questions about human health and disease. It was founded in October 2005 by the Government of Catalonia (Generalitat de Catalunya) and the University of Barcelona (UB), and is located at the Barcelona Science Park (Parc Científic de Barcelona).

The Institute's missions include conducting multidisciplinary research of excellence at the unique interface between biology, chemistry and medicine, providing high-level training in the biomedical sciences to staff, students and visitors, driving innovation through active technology transfer to the benefit of society, and actively participating in an open dialogue with the public through a series of engagement and education activities.

IRB Barcelona seeks

Postdoctoral Fellows to apply for Juan de la Cierva Grants, FORMACIÓN in the referenced labs hereunder:

- Aging and Metabolism:
 - [Gene Translation](#)
PI: Lluís Ribas
Keywords: Translation, Expression regulation, Transfer RNA, inflammation, RNA modifications, epitranscriptomics
 - [Quantitative Stem Cell Dynamics](#)
PI: Alejo Rodriguez-Fraticelli
Keywords: hematopoietic stem cells, tissue microenvironment, aging and premalignancy, next-generation sequencing, single-cell analysis, lineage tracing.

- Mechanism of Diseases:
 - [Structural Characterization of Macromolecular Assemblies](#)
PI: Maria Macías
Keywords: TGF β signaling, SMAD mutations and disease, Small molecule binders, Peptidomimetics, Chemical Biology, Xray/NMR structural Biology.
 - [Molecular Modelling and Bioinformatics](#)
PI: Modesto Orozco
Keywords: physicist, computational chemist, chromatin 3D models, functional dynamics, proteins, DNA.
 - [Targeted protein degradation and drug discovery](#)
PI: Cristina Mayor

Keywords: Targeted protein degradation, PROTACs, heterobifunctional molecules, medicinal chemistry, click chemistry, chemogenetics, drug discovery

- Cancer Science:
 - [Biomedical Genomics](#)
PI: Nuria López-Bigas
Keywords: Cancer genomics, Mutational Processes, Cancer Driver Genes, Computational Biology, Bioinformatics.
 - [Signalling and Cell Cycle](#)
PI: Angel Nebreda
Keywords: signaling network, stress response, cancer cell homeostasis, chemotherapy resistance, tumor microenvironment, targeted therapy, mouse models.
 - [Research Unit on Asymmetric Synthesis](#)
PI: Antoni Riera
Keywords: Targeted protein degradation, PROTACs, heterobifunctional molecules, medicinal chemistry, click chemistry, chemogenetics, drug discovery, synthesis of heterobifunctional molecules.

JdC Formación main requirements:

Please confirm your eligibility for this call before applying.

- Thesis defended between 2019-2020.
- Application to the Institution where the PhD was obtained is not allowed.
- Not have been beneficiary in prior calls of any JdC or RyC.

More info at:

[Juan de la Cierva Formación 2020](#)

- Applicants for the above opening should contact directly to the laboratory PI.
- **Deadline for applications: 21/12/2020**
- **Selection process**
Candidates will be selected on the basis of their CV and experience.
- **Number of positions available: 1 per laboratory.**