

OPEN CALL FOR PhD STUDENT CANDIDATES TO APPLY FOR the call *Ayudas para contratos predoctorales para la formación de doctores 2019* (ref. *PREDOC/19/07*).

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

A PhD Student candidate to apply for the call of the Ministerio de Ciencia, Innovación y Universidades *Ayudas para contratos predoctorales para la formación de doctores 2018*, to be published in September 2019.

The successful candidate will work on the project *Molecular Modelling and Bioinformatics laboratory*, (Ref. SEV-2015-0500-19-1, PI Prof. M. Orozco), and will be focused on the development of theoretical tools for the representation of chromatin structure. The student will work in a multidisciplinary team developing multi-scale models representing physical behavior of DNA in the eukaryotic nucleus.

The thesis will be directed by Prof. Modesto Orozco, PI of the *Molecular Modelling and Bioinformatics laboratory*.

More information:

Prof. M. Orozco:

<https://www.irbbarcelona.org/en/research/molecular-modelling-and-bioinformatics>

<https://scholar.google.com/citations?user=AbEX8KoAAAAJ&hl=es>

CANDIDATE REQUIREMENTS:

- the studies that lead to an official Spanish (or from another country of the European Higher Education Area) university degree with outstanding qualifications in Maths, Physics, Chemistry or related fields and that have 300 credits (ECTS), of which at least 60 must correspond to master level.
- a degree in a non-Spanish university not adapted to the European Higher Education Area that gives access to doctoral studies in Maths, Physics, Chemistry or related fields.

A double degree Physics/Maths or Physics/Chemistry and experience in Computational Biology will be a plus.



IRB BARCELONA endorses the Requirements and Principles of the *European Charter for Researchers*, the *Code of Conduct for the Recruitment of Researchers* and *Open, Transparent, Merit-based recruitment* promoted by the European Commission and follows Equal Opportunities policies.

On 9th December, 2014, IRB Barcelona was awarded the "HR Excellence in Research" logo. This recognition reflects the commitment of the Institute to continuously improving its human resources policies in line with the *Charter & Code*. The Institute works to ensure fair and transparent recruitment and appraisal procedures.

More info at:

<http://www.ciencia.gob.es/portal/site/MICINN/menuitem.dbc68b34d11ccbd5d52ffeb801432ea0/?vgnnextoid=131955e2d5e01610VgnVCM1000001d04140aRCRD&vgnnextchannel=115222e988f75610VgnVCM1000001d04140aRCRD> (please note that since the 2019 call has been not published yet, the info available is 2018 call).

Please confirm your eligibility for this call before applying.

HOW TO APPLY & SELECTION PROCESS

- Applicants should send their CV + motivation letter to Dr. M. Orozco (irbjobs@irbbarcelona.org)
- Deadline for applications: **15/09/2019**
- Selection process: Candidates will be selected exclusively on merit, on the basis of their curricula.

For more information please visit our website at: www.irbbarcelona.org



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