

OPEN CALL FOR PhD STUDENT CANDIDATES TO APPLY FOR the call *Ayudas para contratos predoctorales para la formación de doctores 2019* (ref. *PREDOC/19/10*).

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 Remodeling of the microtubule cytoskeleton and cell fate during brain development (REMOBRAIN) (Ref. **PGC2018-099562-B-I00**, PI Dr. Jens Lüders). The work aims to understand the molecular mechanisms underlying the function of the microtubule cytoskeleton in mediating the transition of neural progenitor cells from proliferation to differentiation during brain development. In particular, we are interested in how defects in the microtubule cytoskeleton alter cell fate, affect neuron function and homeostasis, and are linked to brain developmental disorders such as microcephaly. Depending on the candidates interest and motivation and in agreement with the PI, the project may include, apart from a range of general molecular biology and biochemical approaches, in vivo analysis using mouse models, detailed mechanistic studies using in vitro primary neuronal cultures combined with advanced microscopic imaging, or a combination of these approaches.

The thesis will be directed by Dr. Jens Lüders, PI of the *Microtubule Organization lab*.

More information:

Dr. Jens Lüders - <https://www.irbbarcelona.org/en/research/microtubule-organization>

CANDIDATE REQUIREMENTS:

- **Ambition and scientific curiosity combined with demonstrable interest in the specific project**
- the studies that lead to an official Spanish (or from another country of the European Higher Education Area) university degree with outstanding qualifications in Cell Biology, Neurobiology or related fields and that have 300 credits (ECTS), of which at least 60 must correspond to master level.



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.

- a degree in a non-Spanish university not adapted to the European Higher Education Area that gives access to doctoral studies in Cell Biology, Neurobiology or related fields

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 directly to Jens Lüders (irbjobs@irbbarcelona.org)
- **Deadline for applications:** September 2019 (exact date depends on the application period to be published by the Spanish Ministry)
- **Selection process:** Candidates will be shortlisted and will be invited for a personal interview with the PI. Successful candidates are then encouraged to formally apply to the position, once the call by the Spanish Ministry will be open (expected for September 2019).

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



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