

JOB OPENING AT IRB BARCELONA

Research Assistant in ITS (Structural Bioinformatics and Network Biology) (ref. LAB/20/13)

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 is a member of the BIST (Barcelona Institute of Science and Technology).

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 talented and experienced **Research Assistant** with deep expertise in development and maintenance of web-based scientific resources to join the lab of Dr. Patrick Aloy at the IRB Barcelona (<https://www.irbbarcelona.org/en/profile/patrick-aloy>).

The candidate will participate and perform the activities, tasks, and reports within the framework of the INB project funded by ISCIII and FEDER (ref: PT17/0009/0007).

DUTIES

The successful candidate will be expected to maintain the computational infrastructure of the SB&NB group, contributing with new ideas and technological updates. In addition, he/she will be responsible of the maintenance and continuous improvement of the systems biology resources that we offer to the scientific community, such as the Chemical Checker, Interactome3d, 3DId, dSysMap or PanorOmics (<http://sbnb.irbbarcelona.org/resources>). The successful candidate will also be actively involved in cutting-edge research projects related to systems pharmacology and biological Big Data.

EXPERIENCE, KNOWLEDGE, SKILLS & SELECTION CRITERIA

Must Have - Required

- **Experience:** previous experience in research environments is desirable
- **Education:** Bachelor or Engineering degree in Computer Sciences or similar
- **Skills:**
 - o Excellent programming and scripting skills, with knowledge of Python, Javascript, HTML5, CSS3 and PHP
 - o Excellent knowledge of databases management (postgresql and Neo4j)
 - o HPC queue systems, virtual machines (OpenNebula) and Grid Containers (Docker, Singularity).
 - o Excellent interpersonal and communication skills. Highly motivated. Fluency in English.



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.

Desirable

- **Experience:** Experience in International teams.
- **Skills:** Background in structural, systems or genome biology would be an asset

WORKING CONDITIONS & ENTITLEMENTS

- **Working conditions:** Employed in compliance with Spanish legislation and regulations under a full-time contract. Employees receive the benefits of the Spanish Social Security system covering sickness, maternity/paternity leaves and injuries at work. Salary commensurate with experience and qualifications.
- **International Environment:** The opportunity to join a prestigious international research institution and become a member of an established research group.
- **Continuous training** in a high-quality environment.

HOW TO APPLY & SELECTION PROCESS

Applications for the above opening should include a CV and a letter of interest and should apply on <https://recruitment.irbbarcelona.org/> Reference: LAB/20/13

- **Deadline for applications:** 15/01/2021
When the applicants do not fit the requirements, the deadline will be able to be extended.
- **Number of positions available:** 1
- **Selection process**
 - **Pre-selection:** Will be based on CV, motivation letter and experience.
 - **Interviews:** Short-listed candidates will be interviewed.
 - **Offered Position:** Job Offer will be sent to the successful candidate after the interview.

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

Note: The strengths and weaknesses of the applications will be provided upon request.

If you, as an applicant, have any suggestion or wish to make a complaint regarding the selection process, please contact us at the following email address: irbreruitment.suggestions@irbbarcelona.org You will receive a response within a month.