

## JOB OPENING AT IRB BARCELONA

### RESEARCH ASSISTANT (ref. LAB/19/09)

Created in 2005 by the Generalitat de Catalunya (Government of Catalonia) and the University of Barcelona, IRB Barcelona is a Severo Ochoa Centre of Excellence—a seal that was awarded in 2011.

The institute is devoted to conducting research of excellence in biomedicine and to transferring results to clinical practice, thus improving people's quality of life, while simultaneously promoting the training of outstanding researchers, technology transfer, and public communication of science. Its 25 laboratories and seven core facilities address basic questions in biology and are orientated to diseases such as cancer, metastasis, Alzheimer's, diabetes, and rare conditions.

IRB Barcelona is an international centre that hosts 400 members and 30 nationalities. It is located in the Barcelona Science Park. IRB Barcelona forms part of the Barcelona Institute of Science and Technology (BIST) and the "Xarxa de Centres de Recerca de Catalunya" (CERCA).

IRB Barcelona is seeking a highly motivated **Research Assistant for the Molecular Biophysics Laboratory**, to assist in the preparation of samples for biophysical characterization.

#### DUTIES

- Express (in *E. coli*), purify and handle proteins and peptides
- Characterize the biophysical properties of such peptides and proteins by using circular dichroism, dynamical light scattering and biomolecular nuclear magnetic resonance
- Carry out and analyse basic molecular dynamics simulations of such peptides

#### EXPERIENCE, KNOWLEDGE, SKILLS & SELECTION CRITERIA

##### Must Have - Required

- **Experience:** at least 6 month experience expression in (*E. coli*), purification and handling of protein and peptide samples, circular dichroism, dynamical light scattering.
- **Knowledge:** MSc in Biochemistry, Biophysics or equivalent and able to work, communicate and report in English.
- **Skills:** Basic molecular biology methods.

##### Desirable

- **Experience:** experience in sample preparation for electron microscopy, experience in procedures for handling aggregation-prone peptides
- **Knowledge:** Basic Linux commands, Python programming language
- **Skills:** Scripting and data management in Python



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

## 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 leave 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 **cover letter containing the names of two previous supervisors and a CV** and should be sent by e-mail to: [irbjobs@irbbarcelona.org](mailto:irbjobs@irbbarcelona.org), indicating the Reference: **LAB/19/09**

**Deadline for applications:** 30/10/2019

If no suitable candidate is found, the deadline will be extended.

- **Number of positions available:** 1
- **Selection process:**
  - **Pre-selection:** Will be based on CV, motivation letter, experience.
  - **Interviews:** Short-listed candidates will be interviewed.
  - **Job Offer:** Will be sent to the successful candidate after the interview.

---

For more information please visit our website at: [www.irbbarcelona.org](http://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: [irbrecruitment.suggestions@irbbarcelona.org](mailto:irbrecruitment.suggestions@irbbarcelona.org). You will receive a response within a month.*