

## JOB OPENING AT IRB BARCELONA

### Research Assistant (ref. LAB/24/02)

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 28 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 450 members and 35 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 **Research Assistant** to join the **Signalling and Cell Cycle Laboratory** led by **Dr. Angel R. Nebreda**. The laboratory investigates molecular mechanisms of tumorigenesis and chemotherapy resistance using a combination of mouse models, cell cultures and biochemical approaches.

The candidate will team with other researchers of the group to validate a number of targets that have been identified in genetic screenings as potential modulators of the tumor response to chemotherapy. This position will cover a maternity leave and the estimated length of the contract will be initially 5 months.

#### DUTIES

- Perform experiments with cancer cell lines, including treatments with chemotherapy drugs and analysis of cell proliferation, viability and death.
- Contribute to other experiments using molecular and cellular biology techniques, as well as mouse models.
- Participate in maintenance and general organization of the laboratory.
- Prepare written reports and presentations with the experimental results

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

##### Must Have - Required

- Degree in biological sciences or a related field.
- Minimum of 2 years of lab expertise working with mammalian cell lines.



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.

- Experience with basic molecular biology techniques, including DNA cloning, PCR, DNA purification, gel electrophoresis, and immunoblotting.
- Ability to work independently in a demanding research environment.
- Excellent organisational and reporting skills, including the ability to summarize and archive results in a consistent manner.
- Ability to communicate in English.

#### Desirable

---

- Experience using CRISPR-Cas9 technology including sgRNA design and expression.
- Experience with cell transfection and with infections using retroviruses and lentiviruses.
- Knowledge of 3D cell culture systems such as tumorspheres.
- Licence to work with experimental animals in Spain and experience with mouse models of cancer.

#### WORKING CONDITIONS & ENTITLEMENTS

- **Working conditions:** Temporary contract to cover a maternity leave. 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.
- **Estimated annual gross salary:** 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.
- **Benefits:** Continuous training in a high-quality environment with unique professional career opportunities.

#### HOW TO APPLY & SELECTION PROCESS

Applications for the above opening should include Full CV, Motivation letter and the names and contact details of two References, and should apply on <https://recruitment.irbbarcelona.org/>, Reference: LAB/24/02

- **Deadline for applications:** 29/04/2024  
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 and 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.*



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.