

JOB OPENING AT IRB BARCELONA

Research Assistant (ref. LAB/24/08)

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 29 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 500 members and 45 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 and detail-oriented Research Assistant to join our Amino Acid Transporters and Disease laboratory led by professor Manuel Palacín.

The successful candidate will participate in the translational project called "Development of a new biological drug that sequesters the uptake of essential amino acids to specifically deliver cytotoxic payloads in the treatment of colorectal cancer," financed by the Plan Estatal de Investigación Científica, Técnica y de Innovación-PROYECTO DE COLABORACIÓN PÚBLICO PRIVADA for 3 years (2025-7).

DUTIES

- Conduct experimental research related to amino acid transporters, including transport activity, reconstitution, expression, purification and structure determination.
- Assist in data collection, analysis, and interpretation.
- Collaborate with senior researchers on project development.
- Maintain laboratory equipment and manage lab organization.

EXPERIENCE, KNOWLEDGE, SKILLS & SELECTION CRITERIA

Must Have - Required

- Bachelor's degree in Biochemistry, Biomedicine, Biotechnology or a related field.
- Strong organizational and multitasking skills.
- Attention to detail and accuracy.
- Fluent in English.
- Highly motivated and collaborative person.

- Willing to keep on learning.
- Ability to work independently in a demanding research environment.

Desirable

- Master's degree in a relevant field or 1-2 years of laboratory research experience.
- Experience in molecular biology techniques, cell culture, protein expression and purification and/or protein analysis.
- Experience in membrane proteins.
- Strong written and verbal communication skills.

WE OFFER

- **Deep training in membrane proteins** including functional and protein structure determination.
- **Collaborating closely with pharmaceutical companies** in a multidisciplinary team to drive cutting-edge research and innovation.
- **To be a part a part of something meaningful:** We are a biomedical research center that tirelessly works to achieve a society free of diseases. Our mission is to carry out research of excellence to cure cancer and other diseases linked to ageing.
- **Good Working conditions:** Temporary contract linked to a research project. 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.
- **Competitive salary:** commensurate with experience and qualifications.
- **International Environment:** we are home to nearly 500 researchers, technical and support staff from 45 countries.
- **Multidisciplinary Research:** Research of excellence at the unique interface between biology, chemistry, and structural and computational biology.
- **Continuous Training:** Transversal and general training is offered to our community (examples include research seminars, conferences, training in time management, scientific integrity, gender equality, health and safety, languages courses and emotional wellbeing).
- **Relocation & Visa Assistance:** Trained staff provides support on visa paperwork, administrative requirements, and practical information on living and working in Barcelona, etc.
- **Social Life:** We like to have fun. We promote several activities, like a Football League, an annual skiing trip, a Mountaineering Club, a Running Club and "Cool-off sessions", where members meet informally for drinks, snacks and scientific discussions.
- **Fairness:** Our recruitment is open, transparent and merit-based, and all applicants compete on the same terms. We are an Equal Opportunity Employer and all qualified applicants are

considered for employment without regard to race, color, religion, age, sex, sexual orientation, gender identity, nationality, ethnic origin or disability.

HOW TO APPLY & SELECTION PROCESS

Applications for the above opening should include a Full CV and Motivation Letter and should apply on <https://recruitment.irbbarcelona.org/>, Reference: **LAB/24/08**

- **Deadline for applications:** 22/ December/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, 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
Please check our [Recruitment Policy](#).

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