

JOB OPENING AT IRB BARCELONA

POSTDOCTORAL POSITION (ref. PD/18/04)

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 Postdoctoral Researcher to join the Metabolic engineering and diabetes therapy group headed by Dr. Joan Guinovart.

The successful candidate will work under the direction of Dr. Guinovart and the direct supervision of Dr. Duran (Research Associate).

Background: Recent results from our laboratory have questioned concepts regarding glycogen metabolism that were considered well established. We have unveiled that glycogen accumulation underlies neurodegeneration in Lafora disease (LD). Glycogen accumulation has also been observed in other neurodegenerative diseases. Therefore, we intend to further study the following: i) new aspects of the regulation of glycogen metabolism in the brain; ii) the pathological consequences of the alteration of glycogen metabolism in certain neurodegenerative diseases; and iii) the physiological roles of brain glycogen. Through a multidisciplinary approach, we aim to define the physiological processes that regulate glycogen deposition, the consequences of its demise, and the therapeutic potential of its modulation.

DUTIES

- Perform experiments aimed to study the physiological and pathological roles of brain glycogen.

EXPERIENCE, KNOWLEDGE, SKILLS & SELECTION CRITERIA

Must Have - Required

- **Experience:** PhD in any of the Life Sciences
- **Knowledge:**
 - Management and analysis of genetically altered animals (i.e. colony management, behavioural tests)
 - Histology/immunohistochemistry techniques
 - Western blot and Real-Time PCR
- **Skills:**
 - Excellent writing and verbal communications skills 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 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.

- Organizational and analytical skills
- Outstanding capacity to learn new techniques

Desirable

- **Experience:** Preferably 2 years' experience in neurosciences and neurodegenerative diseases
- **Knowledge:** Official Diploma and expertise in Handling and Managing Experimental Animals

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.
- **Training and Career:** Postdoctoral researchers joining IRB Barcelona gain access to the Institute's advanced research training and career development opportunities, all within in a competitive international environment. Courses and workshops on themes of particular interest to postdocs are offered regularly by the Institute.
- **International environment:** Nearly 90 Postdoctoral researchers (more than a half non-Spanish nationals) are currently working at IRB Barcelona.

HOW TO APPLY & SELECTION PROCESS

Applications for the above opening should include **CV and cover letter** and should be sent by e-mail to: irbjobs@irbbarcelona.org with the Reference: **PD/18/04**

Deadline for applications: 30/07/2018

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 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

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 You will receive a response within a month.