

JOB OPENING AT IRB BARCELONA

‘POSTDOCTORAL RESEARCHER’ (ref. PD/19/01)

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’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 is seeking a motivated full-time **Postdoctoral Fellow** for the **Metabolic Engineering & Diabetes Therapy Laboratory** led by Dr. Guinovart.

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

- The successful candidate will work under the direction of **Dr. Guinovart** and the direct supervision of **Dr. Duran** (Research Associate).
- He/she will be responsible for performing the experiments aimed to study the physiological and pathological roles of brain glycogen.

EXPERIENCE, KNOWLEDGE, SKILLS & SELECTION CRITERIA

Required

- Experience: PhD in any of the Life Sciences fields.
- 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 command of English.
- Analytical and organisational skills and an outstanding capacity to learn new techniques.



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.

- Official diploma and expertise in Handling and Managing Experimental Animals.

Desirable

- Research experience (preferably at least two years) in neurosciences and neurodegenerative diseases.

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 100 Postdoctoral fellows, more than a half of them non-Spanish nationals, are currently working toward their research objectives at IRB Barcelona.

HOW TO APPLY & SELECTION PROCESS

Applications for the above opening should include **CV and motivation letter** and should be sent by e-mail to: irbjobs@irbbarcelona.org Reference: **PD/19/01**

- **Deadline for applications:** **12/April/2019**
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, 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.