

## JOB OPENING AT IRB BARCELONA

### Postdoctoral Fellow (ref. PD/16/07)

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 seeks**

We are seeking two postdoctoral researchers to conduct bioinformatics research on complex human pathologies, including Alzheimer's disease, in the frame of the ERC funded projects SysPharmAD. The main objective of the project is the identification of novel biomarkers in complex pathologies that correlate with clinical outcomes, to monitor the onset and progression of the pathology from very early stages, and to discover combinations of drug targets and chemical compounds able to modify the biology of the disease.

#### DUTIES

- Analyses of RNA-seq and proteomics data collected from patients and animal models.
- Design a systems pharmacology approach, based on concerted multi-target perturbations, able to monitor and modify the biology of the disease and stop its progression.

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

##### **Must Have - Required**

- Knowledge:
  - o PhD degree or equivalent in bioinformatics or computational biology
  - o Fluent spoken and written English
- Experience:
  - o Experience in the analyses of RNA-seq and proteomics data
  - o Experience in computational network/systems biology modelling
- Skills:
  - o Remarkable publications record, according to career stage
  - o Excellent programming/scripting skills
  - o Positive organizational, problem solving and communication skills



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.

## 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 researchers, most than a half of them are non-Spanish nationals, are currently working toward their research at IRB Barcelona.

## HOW TO APPLY & SELECTION PROCESS

Applications for the above opening should include CV and should be sent by e-mail to: [irbjobs@irbbarcelona.org](mailto:irbjobs@irbbarcelona.org) Reference: PD/16/07

- **Deadline for applications:** 30/11/2016  
When the applicants do not fit the requirements, the deadline will be able to be extended.
- **Number of positions available:** 2
- **Selection process**
  - **Pre-selection:** Will be based on CV, motivation letter, experience, management of research and innovation.
  - **Interviews:** Short-listed candidates will be interviewed.
  - **Offered Position:** Job Offer will be sent to the successful candidate after the interview.

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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: [irbreruitment.suggestions@irbbarcelona.org](mailto:irbreruitment.suggestions@irbbarcelona.org) You will receive a response within a month.*



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