

## JOB OPENING AT IRB BARCELONA

### Research Associate position in structural systems biology (ref. LAB/15/04)

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.

We are seeking a Research Associate to conduct computational research on structural systems biology in the Structural Bioinformatics and Network Biology laboratory (<http://sbnb.irbbarcelona.org>), led by Dr Patrick Aloy. Research in our lab mainly focuses on understanding the molecular bases of how macromolecular complexes and cell networks operate by analyzing protein interaction networks with the help of high-resolution 3D structures.

#### DUTIES

- The successful candidate will be expected to lead the structural bioinformatics research in the group, contributing with new ideas and co-supervising junior researchers. In addition, he/she will also be responsible of the maintenance and continuous improvement of the structural systems biology resources that we offer to the scientific community, such as Interactome3d, 3DId and dSysMap (<http://sbnb.irbbarcelona.org/resources>).

#### EXPERIENCE, KNOWLEDGE, AND SKILLS REQUIRED

- PhD degree or equivalent in bioinformatics or computational biology
- Previous postdoctoral experience, with international exposure, and a remarkable publications record
- Strong background in molecular and structural biology
- Deep knowledge of structural bioinformatics techniques (e.g. homology and template-based modelling, structural alignments, docking, etc)
- Excellent programming/scripting skills
- Experience with handling large-scale biological data would be an asset
- Positive organizational, problem solving and communication skills
- Fluent spoken and written English

#### WORKING CONDITIONS AND ENTITLEMENTS

- An initial two-year contract, renewable, and with the possibility of becoming a permanent position linked to the SB&NB Group
- A competitive salary depending on the experience and qualifications of the applicant

## HOW TO APPLY

Applications for the above opening should include a CV, a motivation letter and the names of two potential referees and should be sent by e-mail to: [irbjobs@irbbarcelona.org](mailto:irbjobs@irbbarcelona.org)

Reference: **LAB/15/04**

- Deadline for applications: 12/07/2015
- Number of positions available: 1

For more information about the position, please contact Dr Patrick Aloy ([patrick.aloy@irbbarcelona.org](mailto:patrick.aloy@irbbarcelona.org)).

For more information please visit our website at: [www.irbbarcelona.org](http://www.irbbarcelona.org)