JOB OPENING AT IRB BARCELONA

'RESEARCH ASSISTANT' (ref. LAB/19/07)

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

An enthusiastic **programmer** to join our bioinformatics team in the **Molecular Modeling and Bioinformatics** group (**Structural Bioinformatics** Program), under the framework of the Spanish National Bioinformatics Institute (INB) and two H2020 funded European projects: BioExcel and Human Brain Project

DUTIES

We are looking for a candidate to work on **big data projects** related to **Molecular Dynamics simulations**, designing, developing and maintaining **noSQL databases**, associated **APIs**, and **web-based graphical user interfaces** to offer this data in a graphical and interactive way to the scientific community.

Our informatics team works building a bridge between researchers (biologists, chemists, physicists, mathematicians, etc.) and the computational science field, applying software best practices to the existing codes, making them more usable, reproducible and interoperable.

EXPERIENCE, KNOWLEDGE, SKILLS & SELECTION CRITERIA

Must Have – Required

- Bachelor degree or higher in **Computer Science, Bioinformatics, Biotechnology, Biomedicine** or similar.
- Modern javascript development technologies: **NodeJS, React**
- **Fluent English** and good teamwork skills.
- Excellent **Linux OS** skills.

- No previous experience in a similar position is required.

Knowledge of the following technologies is advisable

- HTML5, CSS3, PHP
- Scripting languages (Perl or Python)
- noSQL databases (MongoDB or similar)
- Statistical computing (R)

WORKING CONDITIONS & ENTITLEMENTS

- 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.

- The unique opportunity to work within an international consortium that brings together the most prominent European researchers in the field of computational biology.

- The unique opportunity to work closely with a High Performance Computing (HPC) centre as the Barcelona Supercomputing Centre (BSC), with one of the most powerful supercomputers in Europe (Marenostrum IV), and recently selected by EuroHPC to host one of the largest European supercomputers (Marenostrum V).

- The possibility to work in multiple state-of-the-art platforms, such as Cloud infrastructures, Docker containers or HPC supercomputers.

- The unique opportunity to work in a multidisciplinary group which is currently involved in several National and European projects related to computational biology.

- Salary commensurate with experience and qualifications.

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: **LAB/19/07**

- **Deadline for applications**: *10/09/2019*
  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, 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.

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.