

JOB OPENING AT IRB BARCELONA

SOFTWARE DEVELOPER (ref. LAB/19/02)

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 is a member of the BIST (Barcelona Institute of Science and Technology).

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

IRB Barcelona seeks to recruit a **Software Developer** to join the lab of Dr. Núria López-Bigas at the IRB Barcelona (<http://bbglab.irb.barcelona.org>).

We are searching for a highly motivated software developer to work in a Cancer Genomics Research group. The position is to work on the development of bioinformatics tools, she/he will be developing the web front-end and also improving the analysis pipeline in close collaboration with postdocs and software engineers. The ideal candidate would have software development experience with Python, knowledge in data analysis, web development, database management and servers administration. Active involvement in open source projects will be an asset. She/he should have strong analytical skills, in addition to creativity, curiosity, enthusiasm, and ability to work in a team. The candidate will participate and perform the activities, tasks, and reports within the framework of the INB project funded by ISCIII and FEDER (ref: PT17/0009/0013).

The BBGLab is a strong interdisciplinary and international research team with unique expertise in the analysis of tumor genomics data. Publications in <http://bbglab.irbbarcelona.org>

DUTIES

The successful candidate will participate in the development, update improvement and maintenance of different tools developed within the Group. In particular, the applicant will be responsible for the development and maintenance of:

- Intogen
- Cancer Genome Interpreter
- Other tools and services assigned by the PI

In addition, the candidate will:

- Provide assistance and support to several research projects
- Prepare Technical Reports in cooperation with the P.I

EXPERIENCE, KNOWLEDGE, SKILLS & SELECTION CRITERIA

Must Have - Required



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.

- A Technical Professional Training in Computer Science (CFGM, CFGS) or equivalent working experience.
- Programming skills
- Fluency in English

Desirable

- Excellent interpersonal and communication skills.
- Experience in international teams.
- A bachelor's degree in Computer Science
- Strong programming skills, ideally in Python (including data analysis, visualization and exploration packages, such as numpy, scipy, scikit-learn, matplotlib, seaborn, jupyter-notebook).
- Experience in collaborative software development using Git.
- Experience with Linux environments and Linux systems administration.
- Experience in web development (front-end and back-end).
- Experience with DataBases (relational and non-relational).
- Familiarity with high performance computing (parallel execution, computational pipelines, workload managers...).
- Experience in bioinformatics.
- Familiarity with software engineering concepts and methodologies.
- Ability to work independently and within a collaborative research team, and ability to comply with tight deadlines.
- Willingness to learn if missing any of the above.

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. Salary commensurate with experience and qualifications.
- **International Environment:** The opportunity to join a prestigious international research institution and become a member of an established research group.
- **Continuous training** in a high-quality environment.

HOW TO APPLY & SELECTION PROCESS

Applications for the above opening should include CV, a letter of interest and the Form Attached completed, and should be sent by e-mail to: irbjobs@irbbarcelona.org Reference: **LAB/19/03**

- **Deadline for applications:** *23/04/2019*
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 and experience.
 - **Interviews:** Short-listed candidates will be interviewed.



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- **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.



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SOFTWARE DEVELOPER FORM

NAME:
SURNAME:
REF: LAB/19/02

Please fill in the table according to the following levels of knowledge or confidence in skills:

	No experience	Basic	Advanced
Programming skills in Python			
Software version control using Git			
Familiarity with Linux environments			
Experience in web development (front-end)			
Experience in web development (back-end)			
Experience with relational databases			
Experience with non-relational databases			
Knowledge of big data analysis			
Experience in bioinformatics			



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