

JOB OPENING AT IRB BARCELONA

BIOINFORMATICS RESEARCH ASSISTANT (ref. LAB/19/10)

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 an experienced **Bioinformatician** to work in the **Genome Data Science Laboratory (Dr. Fran Supek)** at the Cancer Science Programme at the IRB Barcelona.

The group aims to attract a Bioinformatics Research Assistant to work on large-scale statistical analyses of genomic data originating from human tumors and of cancer cell lines, with the goal of discovering new opportunities for treatment of cancer.

The role of the Bioinformatics Research Assistant will focus on the provision of broad, state-of-the-art bioinformatics and biostatistics analysis to support research in the Genome Data Science group. In particular, this will involve applying bioinformatics tools to obtain and process genomic, transcriptomic and epigenomic data. Moreover we will develop of customized bioinformatics pipelines for analysis and interpretation of DNA sequencing data and CRISPR screening data generated in the Genome Data Science lab and/or collaborating labs at IRB or elsewhere.

There is a possibility that the Bioinformatics Research Assistant may develop their own research projects, if they wish to do so and if the projects fit within the interests of the lab (for more information, please refer to the Genome Data Science web site at <https://agendas.irbbarcelona.org>).

The initial contract is for 1 year with a possibility of extension. Anticipated starting date is 01-Dec-2019 although it is possible to start before or after that date.

DUTIES

- Provision of broad, state-of-the art bioinformatics and genomics analysis to support research in the Genome Data Science group
- Apply bioinformatics software tools to obtain and process -omic data and moreover development of custom bioinformatics pipelines for analysis and interpretation of genome sequencing data and of genetic screening data
- Assist in administering the group's computing infrastructure (Synology storage systems, Linux workstations/server) by interfacing with the IRB scientific IT service
- Administer the group's repositories of genome data



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.

EXPERIENCE, KNOWLEDGE, SKILLS & SELECTION CRITERIA

Must Have - Required

- **Experience:** One year or more experience in working with bioinformatics tools and large genomic, or transcriptomic, or epigenomic data sets
- **Knowledge:** MSc or PhD in a computer science or computational biology-related field. Applicants should be enthusiastic about working on an cutting-edge scientific research project
- **Skills:** Ability to work independently, and interact well within an international team environment consisting of researchers of diverse career stages (students, postdocs) and backgrounds (life scientists, computer scientists)
- **Languages:** A solid level of spoken English is required

Desirable

- **Experience:** experience with multivariate data analysis statistical techniques and software (e.g. R, or pandas/SciKit-Learn, or Weka or similar)
- **Knowledge:** PhD in a relevant subject area (Computational Biology, Population Genetics, Comparative Genomics, Bioinformatics)
- **Skills:** Linux system administration skills

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 a **CV** (highlighting 1-3 technical or scientific accomplishments, e.g. publications or software or collaborative projects, and explaining the candidate's contribution to each project), **motivation letter and contact information of 2-3 potential referees** should be sent by e-mail to: irbjobs@irbbarcelona.org

Reference: **LAB/19/10**

- **Deadline for applications:** 15/11/2019



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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.
 - **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.