

## JOB OPENING AT IRB BARCELONA

### 'BIOINFORMATICS RESEARCH ASSISTANT' (ref. LAB/17/10)

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'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 Structural and Computational Biology Programme at the IRB Barcelona.

The group aims to attract a Bioinformatics Research Assistant to work on an ERC-funded project "HYPER-INSIGHT", which deals with large-scale statistical analyses of genomic, transcriptomic and epigenomic data originating from human tumors, with the goal of discovering new opportunities for treatment of cancer.

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 general interests of the lab (for more information, please refer to the Genome Data Science web site at <https://www.irbbarcelona.org/en/research/genome-data-science>).

The funds for this post are available for 3 years in the first instance; the initial contract is for 1 year with a possibility of extension. Anticipated starting date is 01-Feb-2018 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 Next Generation Sequencing (NGS) data.
- assist in administering the group's computing infrastructure (storage systems, compute nodes),
- administer the group's repositories of data and of computer code
- 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).

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

##### Must Have - Required

- Applicants that hold a MSc or PhD in a computer science or bioinformatics-related field and that are enthusiastic about working on an cutting-edge scientific research project
- A solid level of spoken English is required
- One year or more experience in working with bioinformatics tools and large genomic data sets



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.

## Desirable

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It would be helpful but not necessary to have one or more of the following:

- experience with multivariate data analysis / statistical techniques and software (e.g. R or pandas/SciKit-Learn or Weka or similar)
- PhD in a relevant subject area (Computational Biology, Population Genetics, Comparative Genomics)
- 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 publications and explaining the candidate's contribution to each), motivation letter and contact information of potential referees and should be sent by e-mail to: [irbjobs@irbbarcelona.org](mailto:irbjobs@irbbarcelona.org) Reference: LAB/17/10

- **Deadline for applications:** 23/11/2017  
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.

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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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