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.

JOB OPENING AT IRB BARCELONA

SCIENTIFIC IT RESEARCH ASSISTANT (ref. LAB/19/12)

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 Scientific IT/high-performance computing specialist 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 HPC/Scientific IT Research Assistant to work on managing the high-performance computing infrastructure of the team, with the goal of enabling analyses of human genomic data to foster discovery of new opportunities for treatment of cancer.

The role of the Scientific IT Research Assistant will focus on the provision of state-of-the-art high-performance computing/scientific IT services to support research in the Genome Data Science group.

In particular, this will involve maintaining the group’s compute cluster and storage systems (Linux system administration and software installation; SLURM workload manager administration; assisting in management of NetApp and Synology storage systems); choosing/purchasing new hardware; interfacing with the IRB IT service to expedite solutions for IT-related issues in the group; supervising and training lab members in their use of the group’s resources and of MareNostrum/StarLife supercomputing; running the group’s genomics pipelines on own cluster or on supercomputers.

The initial contract is for 1 year with a possibility of extension. Anticipated starting date is February 1st of 2020, although it is possible to start before or after that date.

Optionally, there is possibility of part-time work, in case this is deemed to be a good solution for the candidate and the lab.

DUTIES

- Provision of broad, state-of-the-art high-performance computing/scientific IT services to support excellent research of the Genome Data Science group.
- Maintaining the group’s compute cluster (Linux system administration and software installation; SLURM workload manager administration).
- Assisting in management of the groups’ NetApp and Synology storage systems; assisting in managing the group’s Linux workstations.
- Choosing/purchasing new hardware.
- Interfacing with the IRB IT service to expedite finding solutions for IT-related issues in the group
- Supervising and training lab members in their use of the group’s resources, of MareNostrum/StarLife supercomputing, and of cloud computing services.
- Running the group’s genomics pipelines on own cluster or on supercomputers.
- Present at group and/or department meetings

EXPERIENCE, KNOWLEDGE, SKILLS & SELECTION CRITERIA

Must Have - Required

- Experience: One year or more experience in work on administering Linux machines (preferably servers/compute clusters)
- Knowledge: BSc or MSc in field relevant to the duties described
- 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: setting up and maintaining the Slurm workload manager; experience with supercomputing or cloud computing
- Knowledge: some knowledge and/or desire to learn about: (i) genomics/bioinformatics methods or software (aligners/mappers, mutation callers, structural variant callers); (ii) deep-learning based methods for sequence (e.g. text) analysis
- Skills: supervision/training of junior colleagues. Ability to deal with exceptional situations on short notice.

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

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Applications for the above opening should include (i) a CV (listing 1-3 relevant accomplishments, e.g. technical achievements, or software developed, or work on collaborative projects; and explaining the candidate’s contribution to each project in several sentences), (ii) motivation letter, and (iii) contact information of 2-3 potential referees should be sent by e-mail to: irbjobs@irbbarcelona.org
Reference: LAB/19/12

- **Deadline for applications:** 29/02/2020
  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](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: irbrecruitment.suggestions@irbbarcelona.org You will receive a response within a month.