359_19_LS_TFGL_R2

Job Reference

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Position

Postdoctoral researcher in high-throughput transcriptomics (R2)

Data de tancament

Divendres, 31 Desembre, 2021

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Job title: Postdoctoral researcher in high-throughput transcriptomics (R2)

About BSC

The Barcelona Supercomputing Center - Centro Nacional de Supercomputación (BSC-CNS) is the leading supercomputing center in Spain. It houses MareNostrum, one of the most powerful supercomputers in Europe, and is a hosting member of the PRACE European distributed supercomputing infrastructure. The mission of BSC is to research, develop and manage information technologies in order to facilitate scientific progress. BSC combines HPC service provision and R&D into both computer and computational science (life, earth and engineering sciences) under one roof, and currently has over 700 staff from 49 countries.

Look at the BSC experience:

BSC-CNS YouTube Channel

Let's stay connected with BSC Folks!

Context And Mission

The candidate will join Marta Melé’s Transcriptomics and Functional Genomics lab within the Life Sciences Department at the Barcelona Supercomputing Center (BSC). The lab is interested in understanding how the information encoded in our genome determines gene expression variation across individuals and cell types. We ultimately want to understand how expression changes in both coding and non-coding genes are associated with phenotypic differences between individuals including disease risk. Our lab uses novel computational tools and high-throughput functional assays to tackle these questions. The candidate will have the possibility of leading analysis of thousands of human transcriptomes from both bulk RNA-seq and single-cell RNA-seq datasets. He/she will develop new tools to analyze expression and splicing variation across human tissues and develop statistical methods to ultimately understand the relationship between gene expression and human disease.
Key Duties

- Conduct cutting-edge research
- Publish results in high-profile scientific journals and disseminate them at international conferences
- Collaborate with various international research groups

Requirements

- Education
  - PhD in Transcriptomics, Genomics, Bioinformatics, Computational Biology, or related fields

- Essential Knowledge and Professional Experience
  - Strong publication record
  - Strong programming skills including proficiency in programming with bash, python, R, perl, or similar, and/or experience working in HPC clusters
  - Experience with Next Generation Sequencing data analysis

- Competences
  - Capacity to work as a team in a highly collaborative and diverse environment
  - Capacity to contribute to research projects with novel research ideas and analysis
  - Excellent communication skills in spoken and written English

Conditions

- The position will be located at BSC within the Life Sciences Department
- We offer a full-time contract, a good working environment with state-of-the-art infrastructure, flexible working hours, extensive training plan, tickets restaurant, private health insurance, fully support to the relocation procedures
- Duration: Temporary - One year renewable
- Salary: we offer a competitive salary commensurate with the qualifications and experience of the candidate and according to the cost of living in Barcelona
- Starting date: Flexible but preferred as soon as possible
Applications procedure and process

All applications must be made through BSC website and contain:

- A full CV in English including contact details
- A Cover Letter with a statement of interest in English, including two contacts for further references

Applications without this document will not be considered.

In accordance with the OTM-R principles, a gender-balanced recruitment panel is formed for every vacancy at the beginning of the process. After reviewing the content of the applications, the panel will start the interviews, with at least one technical and one administrative interview. A profile questionnaire as well as a technical exercise may be required during the process.

The panel will make a final decision and all candidates who had contacts with them will receive a feedback with details on the acceptance of rejection of their profile.

For more information follow [this link](https://www.bsc.es/ca/join-us/job-opportunities/35919lstfglr2)

**Deadline**

The vacancy will remain open until suitable candidate has been hired. Applications will be regularly reviewed and potential candidates will be contacted.

**OTM-R principles for selection processes**

BSC-CNS is committed to the principles of the Code of Conduct for the Recruitment of Researchers of the European Commission and the Open, Transparent and Merit-based Recruitment principles (OTM-R). This is applied for any potential candidate in all our processes, for example by creating gender-balanced recruitment panels and recognizing career breaks etc.

BSC-CNS is an equal opportunity employer committed to diversity and inclusion. We are pleased to consider all qualified applicants for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability or any other basis protected by applicable state or local law.

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