359_19_LS_TFGL_R2

Job Reference

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Position

Postdoctoral researcher in high-throughput transcriptomics (R2)

Data de tancament

Divendres, 31 Gener, 2020

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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 650 staff from 49 countries.

Look at the BSC experience:

BSC-CNS YouTube Channel

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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, a highly stimulating 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: February 2020 (asap)

Applications Procedure

All applications must include:

- A Cover Letter with a statement of interest in English, including two contacts for further references - Applications without this document will not be considered
- A full CV in English including contact details

Deadline

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

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.

This position is reserved for candidates who meet the requirements and have the legal status of disabled persons with a degree of disability equal to or greater than 33%. In case there are no applicants with disabilities that meet the requirements, the rest of the candidates without declared disability will be evaluated.

Barcelona Supercomputing Center - Centro Nacional de Supercomputación

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