36_LS_CG_R1

Job Reference

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Position

PhD Researcher position in Computational Genomics R1

Data de tancament

Dimarts, 20 Febrer, 2018

About BSC

BSC-CNS (Barcelona Supercomputing Center – Centro Nacional de Supercomputación) is the National Supercomputing Facility in Spain and manages MareNostrum, one of the most powerful supercomputers in Europe. The mission of BSC-CNS is to investigate, develop and manage information technology in order to facilitate scientific progress. With this aim, special dedication has been taken to areas such as Computer Sciences, Life Sciences, Earth Sciences and Computational Applications in Science and Engineering.

Look at the BSC experience:

BSC-CNS YouTube Channel

BSC-CNS Corporate Video

Let's stay connected with BSC Folks!

Context and Mission:

The Computational Genomics group within the Life Science Department at the Barcelona Supercomputing Centre, offers a position for scientists with a background in bioinformatics or similar disciplines to carry out multiple analysis to understand the genetic and molecular basis of complex diseases. In more detail, the project aims at identifying novel risk variants on multiple diseases. For the last ten years, our group has been focusing on studying the genomic basis of disease. In the field of complex disease, we have developed a novel methodology and protocols for comprehensive imputation and association testing (GWAS), that we have so far applied to several traits and phenotypes. See an example of our last study here:

http://www.biorxiv.org/content/early/2017/04/04/112219
Selected candidates will be dealing with the analysis of BIG biological data, in a highly competitive computational environment, at the level of community, research and at the level of resources. This research frame offers scientist a unique opportunity to develop and improve their bioinformatic skills in the growing and expanding field of biomedical genomics. This activity will be carried out within a dynamic group that combines biological and computer sciences to seed light into the genetic basis of disease.

More information about the group and the activity can be found at: [http://cg.bsc.es/cg/](http://cg.bsc.es/cg/)

**Main Responsibilities:**

- Collaborate with other scientist to push specific projects around the application of bioinformatics tools for genome analyses in the context of an HPC environment.

**Skill Specifications**

- We seek for highly motivated scientist that want to contribute to the understanding of the genetic basis of complex diseases.
- Candidates must be ready to push this project with certain independence and, at the same time, to work within a cooperative environment.

**Qualifications & Experience**

- Candidates with a background in bioinformatics will be prioritized.
- Strong experience in computational environments related to biomedical genomics.
- Experience with genotyping data within a biomedical context.

**Conditions**

- The position will be located at BSC within the Life Sciences department in collaboration with the specific project coordinator.

**Applications Procedure**

All applications must be done through the BSC website:

[https://www.bsc.es/join-us/fellowships](https://www.bsc.es/join-us/fellowships)

Including:

1. Motivation letter and a statement of interest, including two recommendation letters or contacts.
2. A full CV including contact details.

**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.

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