247_LS_CG_RE1

Job Reference

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Position

Technician position in Bioinformatics for Cancer Genomics

Data de tancament

Dimecres, 27 Desembre, 2017

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

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BSC-CNS Corporate Video

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Context and Mission of the role
The Computational Genomics group within the Life Science Department at the Barcelona Supercomputing Centre, offers a position for an technical activity in bioinformatics to develop and apply new tools for genome analysis in the context of the PanCancer Genome project. Our group has been intensively involved in several world-wide initiatives that aim to understand the genomic basis of Cancer to, ultimately, generate and developed personalized treatments for tumors. This has positioned our group and center among the top institutions involved in the analysis of disease genomes (Puente et al, Nature 2011; Moncunill et al, Nature Biotech. 2014, Puente et al, Nature 2015). In fact, the BSC is one of the six centers in the world with the task of analyzing up to 2500 tumor genomes within the international PanCancer project. The position that we are opening aims to fulfill the technical needs of this project. Selected applicants will be dealing with the analysis of genomic variation in cancer and, in particular, with the chromosomal rearrangements observed in oncogenic processes. This research frame offers young scientist and researchers a unique opportunity to develop 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/)

**Responsibilities**

- Applying bioinformatics tools for genome analyses in the context of cancer research and within an HPC environment
- Support to different projects related to the analysis of tumor genomes

**Requirements**

- **Education**
  - Degree in Informatics or Telecommunications will be prioritized
- **Knowledge and professional experience**
  - Basic experience in computational environments, like Unix and with basic programing skills
  - Experience with Next Generation Sequencing data

**Competences**

In order to be successful in this role the candidate should have:

- Excellent written and verbal communication skills in English
- Ability to work in a professional environment within a multidisciplinary and international team

**Conditions**

- The position will be located at BSC within the Life Sciences department in collaboration with the specific program coordinator
- A competitive salary will be provided, matched to the cost of living in Barcelona, depending on the value of the candidate
- Duration of the contract: temporary

**Applications Procedure**

All applications must be done through the BSC website including:

1. 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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