**197_LS_EAPM_RE2RE3**

**Job Reference**

197_LS_EAPM_RE2RE3

**Position**

Senior PELE's software development (RE2/RE3)

**Data de tancament**

Diumenge, 31 Desembre, 2017

**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 500 staff from 44 countries.

Look at the BSC experience:

[BSC-CNS YouTube Channel](https://www.youtube.com)

[BSC-CNS Corporate Video](https://www.youtube.com)

[Let's stay connected with BSC Folks!](https://www.youtube.com)

**Context and Mission**

Join the PELE team as head of development. Expand the code with new implementations and novel ideas aimed at improvements in modeling protein biochemistry and biophysics studies. Overview PELE’s web application and GUI development. Work in an interdisciplinary project involving professionals in computer graphics, data visualization, UX, scientific software, protein modeling, and computational chemistry, while enjoying access to top-level supercomputing facilities and specialized training at the internationally recognized Barcelona Supercomputing Center (BSC).
Key Duties

- Lead the scientific software development of PELE
- Helping in system administration (including PELE’s web application) and technical support to software users
- Joining the GUI PELE development team
- Manage a group of people and co-direction of master/PhD students

Requirements

- Education
  - Diploma/Bachelor degree in Physics, Chemistry or its Bio-related fields.
  - Additional computation-programming training

- Essential Knowledge and Professional Experience
  - Large experience in molecular computational modeling
  - Protein-Ligand (drug design, etc)
  - Experience in programming in C++ and Python

- Competences
  - Excellent written and verbal communication skills in English
  - An eye for detail and commitment to software quality
  - Capacity to interact and build strong relations with a diverse members/stakeholder/staff base
  - Ability to take initiatives, prioritize the tasks and work under set deadlines
  - Ability to work both independently and within a team

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 hours, extensive training plan, tickets restaurant, private health insurance, fully support to the relocation procedures
- 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: ASAP

Applications Procedure

All applications must include:

- A motivation letter with a statement of interest, including two contacts for further references
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.

Barcelona Supercomputing Center - Centro Nacional de Supercomputación