

[398_24_LS_CB_RE2](#)

Job Reference

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Position

Postdoctoral Researcher on Disease Comorbidities (R2)

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Dissabte, 06 Juliol, 2024

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Job title: Postdoctoral Researcher on Disease Comorbidities (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, was a founding and hosting member of the former European HPC infrastructure PRACE (Partnership for Advanced Computing in Europe), and is now hosting entity for EuroHPC JU, the Joint Undertaking that leads large-scale investments and HPC provision in Europe. 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 1000 staff from 60 countries.

Look at the BSC experience:

[BSC-CNS YouTube Channel](#)

[Let's stay connected with BSC Folks!](#)

We are particularly interested for this role in the strengths and lived experiences of women and underrepresented groups to help us avoid perpetuating biases and oversights in science and IT research. In instances of equal merit, the incorporation of the under-represented sex will be favoured.

Context And Mission

The Life Sciences Department at the BSC integrates the independent research of senior scientists that work on various aspects of computational biology, ranging from bioinformatics for genomics to computational biochemistry and text mining. The Computational Biology group (<http://life.bsc.es/compbio>), led by ICREA professor Alfonso Valencia, is involved in multiple projects covering a wide range of topics including multilayer network modelling, epigenomics and computations systems biology.

The Computational Biology group is looking for a postdoctoral researcher to work in the field of bioinformatics applied to precision medicine. The selected candidate will work on the analysis of disease comorbidity, addressing the following topics: Omics data analysis; Mining of electronic health records; Network modelling; Machine learning.

The researcher will join a dynamic research group within the Life Sciences department, which integrates independent senior scientists that work on various aspects of computational biology, ranging from bioinformatics for genomics and proteomics to computational biochemistry and text mining. The Researcher will work in a highly sophisticated HPC environment, will have access to systems and computational infrastructures, and will establish collaborations with experts in different areas.

Key Duties

- Lead research on disease comorbidities by integrating molecular and health data by applying novel network modelling and ML approaches.
- Establish and maintain collaborations with national and international researchers in both the public and private sectors in the area of healthcare and biomedical research.
- Contribute to the design and writing of competitive research projects within national and international funding calls.
- Participate in internal group meetings and other scientific discussions.
- Preparation and presentation of scientific articles.

Requirements

- Education
 - PhD in computer science or bioinformatics (or equivalent).
- Essential Knowledge and Professional Experience
 - Bioinformatics applied to precision medicine - Disease comorbidities.
 - Experience writing and leading research projects in the computational biology area.
- Additional Knowledge and Professional Experience
 - Fluent in spoken and written English
- Competences
 - Good communication and presentation skills.
 - Ability to work both independently and within a team.
 - Capacity to use new software, understand new methods, or follow new research lines.

Conditions

- The position will be located at BSC within the Life Sciences Department
- We offer a full-time contract (37.5h/week), a good working environment, a highly stimulating environment with state-of-the-art infrastructure, flexible working hours, extensive training plan, restaurant tickets, private health insurance, support to the relocation procedures
- Duration: Open-ended contract due to technical and scientific activities linked to the project and budget duration
- Holidays: 23 paid vacation days plus 24th and 31st of December per our collective agreement
- 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: 01/07/2024

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 or rejection of their profile.

At BSC we are seeking continuous improvement in our recruitment processes, for any suggestions or feedback/complaints about our Recruitment Processes, please contact recruitment [at] bsc [dot] es.

For more information follow [this link](#)

Deadline

The vacancy will remain open until a 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.

For more information follow [this link](#)

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