

BSC International Summer HPC Internship Programme

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Deadline 21st of March 2024



BSC International Summer HPC Internship Programme is an international call with 8 to 16 intern positions in order to spend a maximum of 10 weeks within the summer period (from June to September).

The programme wants to encourage students to start a research career in our multidisciplinary research center.

The interns will carry out research in one of BSC's departments (Computer Sciences, Computer Application in Science and Engineering, Earth Sciences and Life Sciences).

- **Stipend:** 1.416,67€ gross salary per month (full time basis).
- **Mobility allowance:** For candidates who come from outside Barcelona: 350€ gross salary per month (BSC will not cover relocation expenses).

- **Working hours:** Full-time or part-time (depending on the student availability).
- **Contract:** Be able to have an agreement between BSC and your University: internship contract. Please ask your University about it. If you cannot provide this kind of document, you should at least have a confirmation from your University (including your name, duration, acceptance of internship).

Description

Barcelona Supercomputing Center – Centro Nacional de Supercomputación (BSC-CNS) launches the 7th BSC International Summer HPC Internship Programme. We are looking for outstanding Undergraduate Students in order to conduct a summer research experience at the BSC-CNS. The main goal of this programme is to encourage students, from any nationality, in the path of a scientific career and to introduce them to an HPC environment.

From 8 to 16 internship positions will be awarded in 2024.

The Internships will last a maximum of 10 weeks, from June to September 2024.

Eligibility criteria

- Undergraduates with an excellent academic record and a strong interest in BSC fields of research.
- Availability to do a student agreement through your University.
- Having completed the minimum credits ECTS to be able to do an internship agreement with your university (Usually half of the the degree's credits must have been successfully completed).
- Candidates may not have received an Undergraduate Degree at the time of the Internship.
- High level of English.
- Highly motivated and willingness to work in an international multidisciplinary group.

Application procedure

The Call for 2024 Applications will start the 1st of March 2024.

The Applications process will close at the 21st of March 2024.

In order to apply for these internships, please use the following [application form](#).

Documents required for your application:

1. An updated CV including your academic records.
2. Cover letter, including the following points
 1. Motivation statement
 2. **IMPORTANT** Mention your first, second and third option of BSC group where you would like to do your internship, (the list of hosting groups will be included starting in March).
3. 2 reference letters from the researchers/professors with whom the intern worked/studied. Alternatively, 2 reference emails from researchers/professors to send to recruitment@bsc.es (Email title: BSC International Summer HPC Internship Programme, "your name" reference).
4. When you apply, please note that you can attach as many documents as you need in the section "other documents".
5. If your application does not include one of these documents, it will not be considered for this

Programme.

Hosting groups

Computer Sciences

- [System Tools and Advanced Runtimes \(STAR\)](#)
- [Accelerators and Communications for HPC Group](#)
- [High Performance Domain-Specific Architectures](#)
- [Simulation Infrastructure and Methodologies \(SIM\)](#)
- [Heterogeneous architectures](#)
- [Validation](#)
- [Computer Architecture - Operating Systems \(CAOS\)](#)
- [FPGA Technologies](#)
- [Computer Architecture For Parallel Paradigms](#)
- [Integration](#)
- [Predictable Parallel Computing](#)

Earth Sciences

- [Computational Earth Sciences](#)
- [Earth Models and Workflows](#)

CASE

- [Fusion](#)
- [Physical and Numerical Modeling](#)
- [Quantic](#)

Life Sciences

- [Machine Learning for Biomedical Research](#)
- [Social and Media Impact Evaluation](#)
- [Computational Biology](#)
- [Comparative Genomics](#)
- [Electronic and Atomic Protein Modeling](#)

Recruitment process and calendar

Call opening: 1st of March 2024

Applications deadline: 21st of March 2024

Interviews: April 2024

Call results publication: End of April and May 2024

Evaluation criteria:

Criteria	Weight
Academic record	20%
Interview	20%
Reference Letters	20%
Cover Letter	20%
Other qualifications (outreach activities, awards)	20%
Total	100%

Diversity and Equal Opportunity Employment

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](#).

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 and make a final decision. All candidates will receive a feedback with details on the acceptance or rejection of their profile. In instances of equal merit, the incorporation of the under-represented sex will be favoured.

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

For more information follow [this link](#).

Do you need support?

If you need further information, please send an email to rrhh@bsc.es

Barcelona Supercomputing Center - Centro Nacional de Supercomputación

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