



Job offer for researchers, research technicians or research support officers under Chapter 6 allocation

Job offer

Title

13/2023 - Bioinformatics scientist with experience in genomics.

Main researcher

Name: Maria

Last name 1: Capa

Last name 2: Corrales

Department: Department of Biology

Contract details

Job description

We are seeking a highly motivated and talented researcher, specialising in comparative genomics and sequence analysis. The successful candidate will work on exciting research projects in collaboration with other scientists at the Balearic Centre for Biodiversity and the local research community who are generating novel data (whole-genome sequences, RNAseq transcriptome data, Illumina, Nanopore or PacBio). These collaborations also enable computational results to be validated experimentally. The researcher will be specifically in charge of 1) providing services to the Balearic Centre for Biodiversity; 2) assembly and annotation of genomes and transcriptomes; 3) comparative genomics; 4) Sequence analysis, and 5) Setting up genomic data analysis pipelines on local servers.

The Balearic Centre for Biodiversity was designed to be a scientific and technical support service for UIB research groups, research institutions, government managers and the private sector. It will generate knowledge about biodiversity, be responsible for curating reference collections and data, and enable the establishment of management tools and formulate strategies for the preservation of biodiversity and ecosystem services. The Balearic Centre for Biodiversity will be dedicated to 1) generating, managing and maintaining natural history reference collections, 2) implementing the genomics laboratory, and 3) generating, maintaining and managing geophysical, environmental, genetic and genomic metadata. The data stored at the centre will provide detailed information about biodiversity on a regional scale and make it accessible to the scientific, political, administrative, industrial, social and educational communities. The centre will organise training activities in biosystematics for the scientific community (being understood as the interdisciplinary field studying the diversity of life, and citizen science activities). The establishment of synergies and strategic collaborations with agencies at regional, national and international level will also be promoted.

Successful candidates will be expected to contribute to establishing and developing the centre as a benchmark in biodiversity studies, offering multidisciplinary services to the scientific community at regional and national level, and being a solid partner in international initiatives

Category: R2 - Doctor (PhD)



Qualification: PhD or equivalent

Field of research: Other

Subarea of research: -

Contract type details

Type of contract: Fixed-term

Full/Part-time: Full-time

Hours per week: 37,5

Work schedule: a acordar

Application submission deadline

From Wednesday, January 25, 2023 until Tuesday, February 07, 2023

Planned start date: Wednesday, March 15, 2023

Planned end date of the tasks subject to the contract: Tuesday, April 22, 2025

Research project / Agreement

Type of activity: Other research funding

Funding body: Govern de les Illes Balears

Call: Subvenció directa per part de l'Administració de la Comunitat Autònoma de les Illes Balears a favor de la Universitat de les Illes Balears (UIB) per finançar despeses derivades del projecte de l'àrea de Biodiversitat 'Exploració, anàlisi i prospectiva de la Biodiversitat: Possibles respostes a l'estratègia 2030 de Desenvolupament Sostenible en un escenari de Canvi Global' en el marc del Pla de Recuperació, Transformació i Resiliència, denominat 'Reforma institucional i enfortiment de les capacitats del sistema nacional de Ciència, Tecnologia i Innovació' -- PRTR

Programme: Sense especificar

Reference number / Official code: -

Number of positions available: 1

Candidate requirements

Skills/Qualifications

PhD (or similar experience) in Bioinformatics, Informatics, Computational Biology or similar.

Specific requirements

1) A solid research output (peer-reviewed publications in high-quality journals) and having contributed to developing and maintaining bioinformatics tools. 2) Hands-on experience in bioinformatics programming, (e.g. Python, C, or Java) and git repositories. 3) Experience with bioinformatics tools developed in singularity, docker, galaxy and elixir. 4) Experience in genome assembly and annotation, particularly using long fragments. 5) Experience in analysing next-generation sequence data such as whole-genome sequencing, RNA-Seq and population genomics is a plus. 6) A strong interest in studying biologic patterns using genomics approaches. 7) Sound communication and collaboration skills.



Language requirements

Successful candidates must demonstrate mastery of English and Spanish/Catalan as working languages. Where they are not fluent in one of these languages, they will be expected to learn it within two years to be able to participate in all duties the position may involve.

Experience required: 5-10 years

Prior experience

Proven experience in computer programming, bioinformatics tools, and genome assembly and annotation.

Additional information

Monthly salary and benefits: 2.646,30 €

Selection process

In accordance with article 8 of the REGULATORY AGREEMENT 145140 of 15th June 2022 that approves the regulation governing the recruitment of research staff under chapter 6 allocation of the university budget, as well as technical or operational research staff.

Eligibility criteria:

- Curricular merits in the field (max. 40 points).
- Qualifications in the specialist area (max. 20 points), other (max. 5 points).
- Video curriculum and, if applicable, personal interview (max. 20 points).
- Experience in the field (max. 15 points). E.g.: > 3 years (10 points), < 3 years (5 points).
- Other merits (max. +5 points). E.g.: recommendation letters.

Eligibility threshold: 60 points.

Selection committee

- i. The relevant Pro-Vice-Chancellor for research (or delegated representative) as chair.
- ii. The supervisor (or delegated representative).
- iii. The members of the Research Area Assessment Committee (CARAI).
- iv. One expert member in the topic pertaining to the recruitment and chosen by the chair of the committee; Dr. Joan Pons.
- v. The head of FORHU (or delegated representative), as secretary, who may speak but not vote.

Additional comments

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Direct subsidy from the Administration of the Autonomous Community of the Balearic Islands in favor of the Universitat de les Illes Balears (UIB) to finance expenses derived from the Biodiversity area project 'Exploration, analysis and prospective of Biodiversity: Possible responses to the 2030 strategy for Sustainable Development in a scenario of Global Change' within the framework of the Recovery, Transformation and Resilience Plan, called 'Institutional reform and strengthening of the capacities of the national system of Science, Technology and innovation' -- PRTR.