

**Nº REF.: FU-ES-14/2024**

**POSITION OFFERED:**

**Coordinator of the Bioinformatics Area of the Research Computing Platform.**

**Extension of the application deadline:**

The period to apply to this position has been extended until: January **20<sup>th</sup>, 2025**.

Barcelona, December 12<sup>th</sup>, 2024



# Coordinator of the Bioinformatics Area of the Research Computing Platform.

Code: FU-ES-14/2024

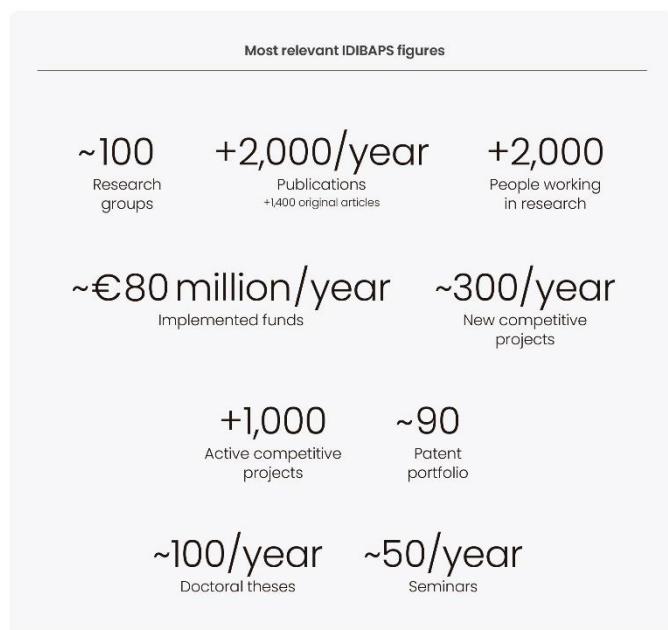
## About the Institution

The *Fundació de Recerca Clínic Barcelona-Institut d'Investigacions Biomèdiques August Pi i Sunyer (IDIBAPS)* is a biomedical research center of excellence located at the Clínic Campus in Barcelona, with a clear international focus.

The IDIBAPS research community is composed of more than 2,000 people and a hundred multidisciplinary groups that conduct impactful translational research aimed at solving biological and clinical questions relevant to human health. This is evidenced by the over 1,500 original articles published annually, making the institution one of the leading biomedical research centers in Spain.

The Clínic Campus provides a high-level research and innovation environment, including the *Hospital Clínic de Barcelona*, a reference hospital committed to healthcare, research, and teaching, covering virtually all medical and surgical specialties, and the *Faculty of Medicine and Health Sciences* of the University of Barcelona, established in 1843 and today one of the most prestigious health faculties in Spain and the world.

Since 2015, IDIBAPS holds the [HR Excellence in Research](#) accreditation from the European Commission. It is a CERCA center and is accredited as a Health Research Institute by the Instituto de Salud Carlos III (ISCIII).



## Job description

- Provide high-level services, including support in experimental design, data analysis, integration, interpretation, and report preparation.
- Develop pipelines and methodologies based on the research projects' needs.
- Coordinate junior bioinformaticians who support other projects.
- Understand sequencing devices and data types and have a solid understanding of upstream laboratory processes.

## Required qualifications

- PhD in Bioinformatics (or similar discipline) or equivalent work experience.
- Master's degree in medical biotechnology, Molecular Medicine, or Bioinformatics applied to human health.

## Experience and knowledge

- 3–5+ years of experience in bioinformatics and/or computational biology.
- Experience in managing, processing, performing quality control, and analyzing large-scale NGS data (preferably hands-on experience).
- Experience in pipeline development using current bioinformatics tools.
- Strong knowledge of Linux systems, command-line tools, and scripting languages like Bash and Awk.
- Excellent programming skills in Python, R, and/or Markdown.
- Experience in scRNA-seq and spatial transcriptomics.
- Knowledge of containerized workflows, e.g., Nextflow or Docker.
- Experience with version control programming (e.g., Git) and hosting (e.g., GitHub).
- Familiarity with current biological databases and repositories, such as GenBank, UCSC Genome Browser, 1000 Genomes Project, EGA, SRA, etc.
- Expertise in troubleshooting sequencing issues and completing sequencing tasks consistently.

## Valuable qualifications

- Deep knowledge of NGS technologies and workflows, from sample delivery to sequencing and data quality control.
- Knowledge and experience in statistics, statistical modeling, machine learning, and deep learning are a plus.

## Desired competences

- Ability to coordinate a small team.
- Ability to manage projects autonomously.
- Strong communication skills.
- Ability to handle multiple projects simultaneously.
- Willingness to learn new methodologies.
- Proficiency in English. Spanish and/or Catalan is a plus.

## What we offer

- **Contract type:** Permanent
- **Working hours:** Full-time (37.5 hours/week).
- **Incorporation into IDIBAPS:** A research center of excellence in Barcelona, a reference in the sector. Ranked highly in research output and competitive project funding at both national and international levels.
- **Continuous training:** Provided by the organization.
- **Work modality:** Hybrid model, with 2–3 days per week of remote work (after an initial in-person trial period).
- **Working conditions:** 22 vacation days + 6 personal days, flexible schedule, and flexible remuneration (including medical insurance, transportation, meal vouchers, and training).
- **Dynamic work environment:** Be part of an experienced team that values ideas and strategies collaboratively and promotes work-life balance.

## Application submission

- **Cover letter:** Clearly stating the reference of the job call and personal motivation for the application.
- **Curriculum vitae:** Including a list of publications, if applicable.
- **Supporting documents:** Proof of qualifications and required experience.
- **Mandatory:** Include the signed authorization concerning Regulation (EU) 2016/679 on personal data protection (Attached Document, Page 5).

## Place and deadline for submission

- Applicants must submit their applications, indicating the job call reference, via email to: [FCRBRHH@recerca.clinic.cat](mailto:FCRBRHH@recerca.clinic.cat)
- **Deadline:** From the publication date of this call until **12/01/2024**

## Additional information

The recruitment will be carried out in accordance with the provisions of Legislative Decree 1/1995, of March 24, which approves the text of the Workers' Statute Act, Law 14/2011, of June 1, on science, technology, and innovation, in accordance with Article 2 of Royal Decree 2720/98, of December 18 (BOE of January 8, 1999), Law 12/2001, of July 9 (BOE of July 10), and related provisions.

The principle of equal treatment between men and women will be considered, in accordance with Article 14 of the Spanish Constitution, the Community Directive of February 9, 1976, and the provisions of the Council of Ministers' Agreement of March 4, 2005, which approves the Gender Equality Plan in the General State Administration.

Universal accessibility for people with disabilities is considered in accordance with section 2 of Article 1 of Law 51/2003 of December 2, on equal opportunities, and 5% of vacancies are

reserved, provided candidates pass the selection processes and certify their disability and compatibility with the tasks, so that progressively 2% of the total workforce is achieved.

The gross annual salary for the position will be determined based on the candidate's experience and qualifications.

[Link to regulation \(EU\) 2016/679, April 27th, regarding the protection of natural persons in relation to the processing of their personal data.](#)

Barcelona, November 15, 2024

## Sol·licitud d'autorització

Autoritzo a:

La **FUNDACIO DE RECERCA CLÍNIC BARCELONA – INSTITUT D'INVESTIGACIONS BIOMÈDIQUES AUGUST PI I SUNYER (IDIBAPS)**, a que tracti les meves dades amb finalitats de selecció de personal, qui les cedirà únicament en aquells casos legalment exigibles, de conformitat amb l'exposat al Reglament (UE) 2016/679, i corresponent normativa que el desenvolupa.

Nom i Cognoms:

DNI/NIE:

Signat:

Barcelona, a