## POSITIONS OFFERED:

**The Fundació de Recerca Clínic Barcelona-Institut d'Investigacions Biomèdiques August Pi i Sunyer (FRCB-IDIBAPS)** is a public research centre dedicated to biomedical translational research, FRCB-IDIBAPS is the result of the integration in 2023 of the Hospital Clínic Foundation for Biomedical Research (FCRB), created in 1989, and the consortium August Pi i Sunyer Biomedical Research Institute (IDIBAPS), created in 1996. It is a nonprofit foundation with a board of governors representing the Catalan Government departments of Health and of Research and Universities, Hospital Clínic, Barcelona, and Universitat de Barcelona. IDIBAPS belongs to the CERCA Research Centre Network of the Catalan Government and holds the accreditation from the Spanish National Institute of Health Carlos III. The close interaction of close to 100 clinical and experimental research groups at IDIBAPS drives forward original translational research oriented to solve relevant biological and clinical questions for human health.

IDIBAPS is seeking to recruit the **Head of the Research Computing Platform**. The successful candidate will have the exciting opportunity to build and develop a new platform to support the IDIBAPS research community and its systems strategy. She/he will be able to recruit a team, envisioned initially of 3 to 4 people, with a scientific-technician activity contract.

## Extension of the application deadline:

The period to apply to these positions has been extended until: **February 25th, 2024.**

Barcelona, January 25th, 2024

## 1. POSITION OFFERED

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The mission of the new platform on "Research Computing" is to provide a central hub for the research community, transversal departments, and internal users to access expertise in the following areas:

- *Software and computing*: setting up and managing computing and high-quality storage and backup solutions, ensuring their maintenance and access to meet diverse computational needs.
- *Technical management:* responsibility of technological needs and their implementation, development as well as technical documentation; management of technological projects, suppliers, maintenance, among others.
- *Bioinformatics and data science*: support for analysis of omics data, including high-throughput sequencing and single cell omics, and other biomedical data, development of pipelines and databases, artificial intelligence (AI), and machine-learning applications.
- *Research data management*: support for the research data life cycle, in compliance with FAIR principles and IDIBAPS Open Science policy, including data management plans, storage, reproducibility, and data sharing through recommended repositories.

In alignment with IDIBAPS mission and strategy and with the Information Systems department of Barcelona Clínic Hospital (DSI), the platform aims also to become a central hub for networking and exchange of best practice and standards in computing, facilitating interdisciplinary collaborations within the Campus Clínic. Moreover, the platform may trigger working groups on specific topics of interest. The platform will be a key player in promoting responsible, ethical, and open science, facilitating compliance with new IDIBAPS Open Science policy as well as data requirements from funding agencies.

Another important objective of the platform will be to provide consultation and regular training to the research community to promote computational and data-skills. Training could be in the format of workshops, access to online resources and developed guidelines.

The Research Computing platform will be under the umbrella of IDIBAPS Core Facilities, reporting to the Head of Core Facilities, and tightly collaborating with the strategic leadership. The new platform will be functionally linked and work in collaboration with the Information Technology teams at IDIBAPS and Barcelona Clínic Hospital.

**Tasks and responsibilities**

Initially, the Head of Research Computing will be expected to work with the Strategy Director and the IDIBAPS Core Facilities and Bioinformatics Committee to understand computing and data analysis needs, current practices, challenges, and opportunities. From there, the Head will need to charter a technology roadmap and sustainability model, and to define new recruitments to build the team to offer state-of-the-art research computing services to the institute´s community.

Key tasks include:

- Identify and ensure provision of high-quality services to meet IDIBAPS computational needs.
- Maintain, develop, and articulate the evolution of the computing technology strategy.
- Continuously analyse the best technological solutions on the market and execute an implementation strategy of the selected ones.
- Define the requirements for future recruits of the team.
- Manage computing and storage resources at IDIBAPS.

- Deliver configuration changes, firmware and software upgrades, installations, and replacements, when required.
- Manage technology projects.
- Coordinate, deliver and maintain internal documentation; provide training on fair use of the computer cluster, data management, among others.
- Establish policies and procedures for software and hardware development and maintenance.
- Facilitate internal networking and exchange of good practice and standards in computing, bioinformatics, and research data management.
- Ensure compliance with Open Science principles and relevant internal policies.
- Scout for new opportunities (e.g., projects, alliances, grants, etc.) to further develop the platform, in line with the institute´s scientific and strategic goals.
- Work with suppliers and vendors.
- Manage the team and its associated budget.
- Ensuring and overseeing data security and privacy.
- Interrelate closely and collaboratively with the systems department of Barcelona Clínic Hospital.

**Requirements**

- Degree in computer science, information systems, computational biology, or related discipline.
- Experience with scientific computational clusters and containers.
- Experienced Linux Systems Administrator.
- Solid understanding of research computing needs in biomedical research.
- Experience in managing technical staff.
- Exemplary communication skills and diplomatic approach to conflict resolution.
- Collaborative and teamwork approach.
- Patience and resilience under pressure.
- Goal-oriented focus.
- Continuous desire to learn and keep up with technology advances.
- To be close to researchers and internal users.
- Have an in-depth knowledge of current and emerging technologies.

**Valuable qualifications**

- Knowledge and experience in the other areas foreseen by the platform, including bioinformatics (NGS, single-cell, omics data, etc.), data science, data visualization, machine-learning, research data management and Cloud environments (AWS, Azure and Google).
- Experience in building scientific data analysis pipelines using containerization, virtualization and / or workflow engines.

**Presentation of applications:**

**All documents must include the reference code of the job offer (see upper left corner of the call).**
- Candidates must enclose a motivation letter and their Curriculum Vitae (including list of publications).
- Proof of the merits exposed, and the degree obtained must also be included in the application.
- The application must include also signed authorization in reference to personal data protection law -European Regulation (UE) 2016/679- (Document attached, Page 4).

**Place of submission**: (clearly indicating the reference code of the job offer)

1. Delivering it personally to the Dept. of Human Resources, located on the Esther Koplowitz Centre, C/ Rosselló 149, from 10 am to 1 pm from Monday to Friday.
2. By e-mail to the e-mail address: fcrbrrhh@recerca.clinic.cat

**Application Deadline:** 09/17/2023.

**1.2.** The recruitment will be carried out according to the provisions of Article 15 of the Royal Legislative Decree 1/1995, of 24 March, which approves the text of the law of the Statute of workers, in accordance with the provisions of art. 2 of the Royal Decree 2720/98, of 18 December (BOE of 8 January 1999), law 12/2001 of 9 July (B.O.E. of 10 July) and concordant provisions.

The principle of equal treatment between men and women will be considered, according to article 14 of the Spanish Constitution, the Community Directive of 9 February 1976 and what is foreseen in the agreement of the Council of Ministers of 4 March 2005, which approves the plan for gender equality in the General Administration of the State.

The universal accessibility for disabled persons will be considered according to the second paragraph of Article 1 of the law of December 2, 51/2003, of equality of opportunities; 5% of the vacancies are preserved when candidates' pas the selection process and disabilities are proved. Also, compatibility with the tasks associated to the job must be proved so that progressively we reach 2% of all workforces.

**1.3.** Annual gross remuneration inherent to the job offer object of this call will be fixed on the basis of the experience provided and the skills of the candidates.

**1.4.** In accordance with Regulation (EU) 2016/679 of 27 April 2016 on the protection of natural persons with regard to the processing of personal data (hereinafter the "Regulation"), we hereby inform you that:

- The party responsible for processing your data is Fundació de Recerca Clínic Barcelona-Institut d'Investigacions Biomèdiques August Pi i Sunyer (hereinafter "FRCB-IDIBAPS"), with Corporate ID No. G-59319681, and registered address in Barcelona, Carrer Rosselló 149-153. You may contact the Data Protection Manager by sending an email to protecciodades.recerca@clinic.cat or by writing to the Legal Director at Carrer Rosselló 149-153, Barcelona.
- When presenting your candidacy or sending us your CV, your data must be communicated with the aim and purpose of allowing employees at the entity to carry out management and selection processes.
- The information will be used by administrative and employee services in our entity, for their corresponding services, and may be submitted in full or in part to any authorities that, for legal reasons, require this type of information.
- The data provided will be held for a period of 1 year, and in addition once the relationship has been completed the data will be held for the period necessary to comply with legal provisions.
- The data provided may be transferred to a third country or international organization, where necessary to justify the contract and/or salary of the employee providing the data.
- You have the right to access your data, request rectification of inaccurate data or request the removal of your data. Equally, you have the right to restrict the processing of your data, and you may oppose or withdraw consent for your data to be used in certain circumstances. You may exercise these rights by writing to the Legal Director at Carrer Rosselló 149-153, Barcelona, or by sending an email to protecciodades.recerca@clinic.cat. We also inform you of your right to file a complaint with the Catalan Data Protection Authority (Autoritat Catalana de Protecció de Dades) for any action taken by FRCB-IDIBAPS that you believe infringes your rights.
- Since 2015, IDIBAPS holds the "HR Excellence in Research" Award from the European Commission. This is a recognition of the Institute's commitment to developing an HR Strategy for Researchers, designed to bring the practices and procedures in line with the principles of the European Charter for Researchers and the Code of Conduct for the Recruitment of Researchers (Charter and Code). Please check our Recruitment Policy.

Barcelona, July 27th, 2023

**I Authorize at:**

**Fundació de Recerca Clínic Barcelona-Institut d'Investigacions Biomèdiques August Pi i Sunyer** to treat my personal data for the personnel selection procedure, which will cede it only in these legally enforceable cases, in accordance with the provisions of European Regulation (UE) 2016/679, and corresponding regulations that develop it.

Name:

Signed:

Barcelona,