

CONV. FU-185/2023

1. POSITION OFFERED

1.1. A job is being opened to cover **1 Positions for R2A-Postdoctoral Researcher (G1-Researchers)** to support the research of **Fundació de Recerca Clínic Barcelona-Institut d'Investigacions Biomèdiques August Pi i Sunyer** inside the "*Oncology and haematology*" research line. To participate in the research project "*(Epi)Genomic and microenvironment interactions driving evolution in chronic lymphocytic leukemia. Targets for clinical intervention*" and at the "*Molecular pathology of lymphoid neoplasms*" research group. Funded by FUNDACIO BANCÀRIA "LA CAIXA". Grant agreement number: HR22-00172, with an indefinite scientific-technician activity contract, in the following requirements:

Required qualifications and skills:

- **Required Education Level:** PhD degree.
- **Master/PhD:** Master in Computational Biology/Bioinformatics
Broad understanding of genomics, molecular biology and cancer biology, specially lymphoid neoplasia.
- **Experience Required:**
 - ✓ Strong and documented background in NGS analyses.
 - ✓ Ability to develop complex, high quality software in R and Python.
 - ✓ Broad experience in common scripting languages.
 - ✓ Know-how in building custom pipelines for analysis and data integration.
 - ✓ Good background in mathematics and biostatistics.
 - ✓ Experience in analyzing and integrating genetic and transcriptional data (WGS/WES/NGS panels, RNA-seq, target gene-expression, among others).
 - ✓ Experience in structural variant and copy-number alteration pipelines.
 - ✓ Experience in single cell sequencing analysis (RNA and DNA).
- **Desired experience:**
Web-lab expertise complementing computational knowledge will be positively evaluated..
- **Skills:**
 - ✓ Clear motivation and interest to carry out translational research in biomedicine.
 - ✓ Enthusiastic and collaborative person.
 - ✓ Good planning abilities.
 - ✓ Strong teamwork skills.
 - ✓ Excellent communication and presentation skills.
- **Required Languages:** High level of English.

Job description / Tasks to be developed:

- ✓ Bioinformatic analysis of WGS/WES of lymphoid neoplasias and integration of the data with bulk RNA-seq and other expression data.
- ✓ Bioinformatic analysis of low-pass WGS from liquid biopsies.
- ✓ Bioinformatic analyses of several custom NGS panels.
- ✓ Development of computational tools and models to link genetic and transcriptomic alterations to prognostic outcomes, with translational significance.
- ✓ Bioinformatic analyses of single cell RNA sequencing and single cell DNA sequencing of tumor samples of different sources (fresh blood or bone marrow, cryopreserved material, frozen material in OCT).

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: fcbrh@recerca.clinic.cat

Application Deadline: 15/06/2023.

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' pass 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 organisation, 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, June 01th, 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,