

Junior Group Leader (R3B) in Cancer Computational Biomedicine

Code: FU-77/2025

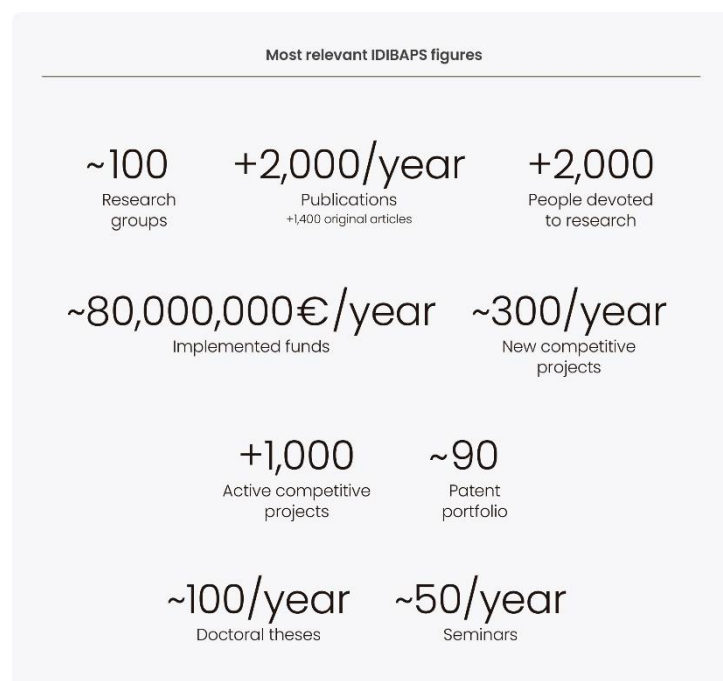
About the institution

The Barcelona Clinical Research Foundation-August Pi i Sunyer Biomedical Research Institute (IDIBAPS) is a biomedical research centre of excellence, located on the Barcelona Clinic Campus and with a clear international focus.

The IDIBAPS research community includes over 2,000 professionals and a hundred multidisciplinary groups that carry out high-impact translational research aimed at addressing biological and clinical questions relevant to human health, as evidenced by the more than 1,500 original articles published each year that make the institution one of the main biomedical research centres in Spain.

The Clínic Campus offers a high-level research and innovation environment, which includes the Hospital Clínic of Barcelona, a referral hospital committed to care, research and teaching, which covers practically all medical and surgical specialities, plus the University of Barcelona's Faculty of Medicine and Health Sciences. The latter dates from 1843 and is today one of the most prestigious health sciences faculties in Spain and worldwide.

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



Job description

- We welcome applications from internationally recognised scientists working in any area of cancer computational biomedicine with expertise in bioinformatics and Artificial Intelligence (AI), including method development (single-cell genomics, omics and multiomics data analysis and integration, biomedical image analysis, artificial intelligence methods, among others).
- One of the strategic research priorities across the institute is cancer immunotherapy, including the development of new advanced therapies, supported by the recent award of the excellence grant by the Spanish Association against Cancer (AECC). In this context, successful applicants will develop and apply cutting-edge computational and AI methods that allow the integration and study of complex data arising from clinical studies as well as omics sources. The aim is to optimise knowledge generation from large-scale cohorts and databases featuring complex and multi-dimensional data and to ensure robust inference and reliable predictions for biomarker discovery and identification of new therapeutic targets, bridging research with clinical applications.
- Candidates are expected to establish collaborations within the institute, specifically in the field of immunotherapy in hepatocellular carcinoma, led by Dr Llovet, breast cancer, led Dr Prat, and lymphoid neoplasms, led by Dr Martin-Subero and Lopez-Guillermo.
- The newly established group will receive a start-up package and will join the IDIBAPS research area on Cancer, with the opportunity to join also the recently established multidisciplinary programmes in oncology. In addition, the successful applicant will be able to take part in the new IDIBAPS Mentoring Programme for tenure track researchers, will have access to Core Facilities and get support by multiple professional management departments.

Main responsibilities

- Establish and lead a new independent group in cancer computational biology, conducting high quality research.
- Develop independent programmes of research, as well as collaborate in the exciting AECC excellence programme on cancer immunotherapy.
- Develop and apply novel computational and/or AI approaches.
- Create strong collaborations with research groups in the institute, and internationally.
- Foster a diverse and nurturing research environment through leading and mentoring a team.
- Develop and foster links between IDIBAPS and other national and international research organizations.
- Actively participate in institutional initiatives, in alignment with IDIBAPS core values.
- Synergize with the recently established Research Computing platform, ensuring its further development.
- Raise third-party funding
- The Junior Group Leader appointment is for four years, with the possibility of promotion to Senior Group Leader upon successful evaluation.

Required qualifications

- PhD in a quantitative domain, such as (but not limited to) statistics, biostatistics, bioinformatics, computer science, data science, applied mathematics, advanced analytical techniques.

Experience and knowledge

- Expertise in at least one of these areas: method development, imaging data analysis and deep learning models, multimodal data integration, machine learning models to predict therapy response, and/or explainable AI techniques.
- Fluency in English.

IDIBAPS offers

- **Type of contract:** Temporary contract of access of staff doctor investigator.
- **Working hours:** Full time (37.5 hours / week).
- **Line of research:** Cancer Computational Biology
- **Project:** Programa de Excelencia AECC-IDIBAPS: Inmunoterapia Contra el Cáncer
- **Funder and official project code:** FUNDACIÓN CIENTIFICA ASOCIACIÓN ESPAÑOLA CONTRA EL CANCER - EPAEC246711CLIN
- **Incorporation into IDIBAPS:** A research centre of excellence in the city of Barcelona. Excellent research results and competitive project grant awards, both national and international.
- Long-life training offered by the institute.
- **Working mode:** Presential.
- **Working conditions:** Holiday entitlement of 22 days + 6 days for personal affairs, flexible working hours and flexible remuneration (health insurance, transport, meal vouchers, training).
- **The chance to form part of a dynamic work environment:** We are a team with a wealth of experience that jointly evaluates ideas and strategies and promotes a healthy work-life balance.

Applications

- **Motivation letter**, explaining the motivation to join IDIBAPS and potential synergies with existing groups.
- **Curriculum Vitae:** including a list of publications, where applicable.
- **List of 5 selected publications**, with a brief description of their relevance.
- **Summary of proposed research proposal.**
- **Documentation accrediting** the credentials set out and the required qualifications.
- **Obligatory:** the duly signed Authorisation relating to EU Regulation 2016/679 on the protection of personal data (*attached document, page 5*) must be attached to the application.

Submission and deadline

- Interested researchers shall send their full application to:
FCRBRRHH@recerca.clinic.cat
- Informal inquiries are welcome and can be addressed to:
coordinacio.cientifica@recerca.clinic.cat
- **Deadline:** From the publication of this call until **14/4/2025**.

The employment contract will be in accordance with the provisions of Legislative Decree 1/1995, of 24 March, approving the text of the Workers' Statute Law, of Law 14/2011, of 1 June, on science, technology and innovation in accordance with the provisions of Art. 2 of Royal Decree 2720/98, of 18 December (BOE of 8 January 1999), Law 12/2001, of 9 July (BOE of 10 July) and concordant provisions.

The principle of equal treatment between men and women fundamental, in accordance with Article 14 of the Spanish Constitution, the European Community Directive of 9 February 1976, and the provisions of the Agreement of the Council of Ministers of 4 March 2005, approving the Plan for Gender Equality in the General State Administration.

The universal accessibility of people with disabilities is fundamental according to section 2 of Article 1 of Law 51/2003, of 2 December, on equal opportunities, and 5% of vacancies are reserved as long as candidates pass the selection processes and accredit their disability and compatibility with the tasks to be carried out, so that we progressively reach 2% of the total workforce.

The gross annual remuneration relating to the position that is the subject of this call will be established based on each candidate's experience and aptitudes.

[Link to Regulation \(EU\) 2016/679 of 27 April on the protection of natural persons with regard to the processing of personal data](#)

Barcelona, on March 13, 2025

Authorisation request

I hereby authorise:

The **FUNDACIÓ DE RECERCA CLÍNIC BARCELONA – INSTITUT D'INVESTIGACIONS BIOMÈDIQUES AUGUST PI I SUNYER (IDIBAPS)**, to process my data for personnel recruitment purposes, transferring them only in cases where legally required, in line with the provisions of Regulation (EU) 2016/679, and the corresponding regulations that develop it.

Name and Surname:

DNI/NIE/ID:

Signed:

Barcelona,