

Fundació de Recerca Clínic Barcelona-Institut d'Investigacions Biomèdiques August Pi i Sunyer (FRCB-IDIBAPS)

6 Positions - R1-Predocctoral Researchers in biomedicine at FRCB-IDIBAPS (FU-324-2024)



Fundació de Recerca Clínic Barcelona - Institut d'Investigacions Biomèdiques August Pi i Sunyer (IDIBAPS) is a leading biomedical research center located at the Clínic Campus in Barcelona, known for its strong international presence. At IDIBAPS, you will join a vibrant research community of over 2,000 professionals and about 100 multidisciplinary groups conducting groundbreaking research. Each year, our teams publish more than 1,500 original articles, placing us at the forefront of biomedical research in Spain. We manage over 1,100 competitive projects, with more than 220 receiving international funding.



HR EXCELLENCE IN RESEARCH

The Clínic Campus offers an exceptional environment for research and innovation, featuring the Hospital Clínic of Barcelona, a top-tier hospital dedicated to comprehensive healthcare, research, and education across almost all medical and surgical specialties. The campus also includes the Faculty of Medicine and Health Sciences of the University of Barcelona, established in 1843, and recognized as one of the most prestigious health faculties in Spain and globally.



Cofinanciado por la Unión Europea

IDIBAPS has been accredited with the [HR Excellence in Research](#) by the European Commission since 2015, renewing commitments and actions to advance the alignment of our human resources policies with the 40 principles of the Charter and Code, based on a personalised action plan/HR strategy.

At IDIBAPS, nearly 100 clinical research groups work closely with laboratory scientists to drive original, translational, and multidisciplinary research. Our collaborative approach aims to solve significant biological and clinical challenges that impact human health.



We are proud to have been accredited with the HR Excellence in Research by the European Commission since 2015. This accreditation reflects our commitment to aligning our human resources policies with the 40 principles of the Charter and Code, guided by a personalized HR strategy and action plan.

IDIBAPS is a CERCA center and accredited as a health research institute by the Instituto de Salud Carlos III (ISCIII).



We are looking for 6 R1-Predoctoral Researchers. Positions linked to the funding of the Spanish call “Actuaciones para la formación de personal investigador predoctoral (FPI)”, funded by MCIU/AEI/10.13039/501100011033 and FSE+”

Requirements for all the positions:

- University degree and Master of the European higher education system (at least 300 ECTS) or equivalent education to access to a PhD programme in Spain
- Excellent academic record
- Scientific/technological curricular merits to properly match the selected research project, including previous research experience
- Mobility and/or internationalisation experience recommended but not mandatory
- Strong motivation for research
- Good command of English

Candidates can select up two potential host research groups.

Description of the research projects and the desirable criteria to be accomplished in each case:

- Research group:** Translational control of liver disease and cancer, Mercedes Fernández-Lobato
Project: Integrative Approach to Liver Cancer: Unveiling the Impact of High-Fat Diets and Aging
Desirable criteria:
 - Experience in molecular biology techniques
 - Previous work with animal models
 - Knowledge in bioinformatics and statistical analysis
 - Publications in peer-reviewed journals
 - Strong communication skills and ability to present research findings
- Research group:** Systems Neuroscience, Mavi Sánchez-Vives
Project: Ultraslow Cortical Dynamics: Physiological and Pathological Mechanisms Across Different Temporal Scales
Desirable criteria:
 - Proficiency in programming for the analysis of complete electrophysiological datasets
 - Prior experience with electrophysiological or imaging techniques

- c. **Research group:** Neuronal control of metabolism, Roberta Haddad
Project: Deciphering the functional microarchitecture of feeding behaviours in the Nucleus Accumbens during the female physiological states
Desirable criteria:
- Previous laboratory experience in molecular biology and neuroscience
 - Adeptness in working with mouse models (with experimental animal handling licence)
 - Basic data analysis and programming skills (R, Python)
 - Highly motivated, creative, committed and team-oriented
- d. **Research group:** Biomedical Epigenomics, Iñaki Martín-Subero
Project: Biological and clinical impact of epigenetic memory and evolutionary dynamics in mantle cell lymphomas
Desirable criteria:
- Strong background and interest in computational tools applied to omics data
 - Programming skills in data analysis language (R, Python)
 - Enthusiastic, open-minded and collaborative
 - Good planning abilities and strong teamwork skills
- e. **Research group:** Gene regulation in stem cells, cell plasticity, differentiation and cancer, Antonio Postigo
Project: Does macrophage-to-cancer cell mitochondrial transfer regulate tumor progression? Role and mechanism in the mutational landscape, immune evasion and therapeutic response
Desirable criteria:
- Previous laboratory experience
 - Possession of (or being in the process of obtaining) an official certificate to work with experimental animal mouse models
 - Academic background or interest in immunology, bioinformatics and/or cancer
 - Average mark in the BSc of above 8.0/10.0
 - MSc obtained after 2021
- f. **Research group:** Gene Therapy and Cancer, Cristina Fillat
Project: Promoting immunity against pancreatic tumors with oncolytic adenoviruses capable of inducing cell death through “immunogenic surrender” and blocking immunosuppression
Desirable criteria:

- Experience in bioinformatics
- Certification on handling of experimental animals

You can find more information about the groups and the research lines [here](#).

- **What we offer**

- **Contract:** Temporary predoctoral contract.
- **Workday:** Full time (37,5 hs/week).
- **Continuous training provided by the company.**
- **Working conditions:** 22 vacation days + 6 personal days, 16 available hours, flexible schedule, and flexible remuneration program (medical insurance, transportation, meal vouchers, etc.).
- **Be part of a dynamic work environment:** we are a team with proven experience, a good working atmosphere, and we collectively value ideas and strategies, and prioritises work-life balance life.

- **How to apply:**

Send the following documents to fcbrhh@recerca.clinic.cat indicating the call reference FU-324-2024 in the subject.

- **Curriculum Vitae.** Please fill this [template](#)
- **Motivation letter.** Indicating the chosen laboratory and the motivation to join the selected research project. If you would like to select two options, please prepare two motivation letters
- **Two reference letters.**
- Accrediting documentation of the merits presented and the required documentation.
- Sign and attach the authorization request for personal data - European Regulation (UE) 2016/679 (see page 6)

- **Selection process:**

The selection of the fellows will be carried out by the leaders offering the positions and will follow the principles of [open, transparent and merit-based recruitment](#).

- Pre-selection: the pre-selection will be based on the candidate's CV, motivation letter, reference letter and the research interests.
- Interviews: the pre-selected candidates will be invited to an oral interview to further assess their qualification and research motivation.
- Notification to the candidates: the successful candidates will receive a notification after the oral interview with the expected start date.

Deadline: until October 6, 2024

For any doubts, please contact stepping.stone@recerca.clinic.cat

- 1.1.** 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.

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

Barcelona, September 5th, 2024

Authorization Request

I AUTHORIZE:

Fundació de Recerca Clínic Barcelona – Institut d'Investigacions Biomèdiques August Pi i Sunyer (IDIBAPS) to process my data for personnel selection purposes. This data will only be transferred in cases where legally required, in accordance with Regulation (EU) 2016/679 and its corresponding implementing regulations.

Name and Surname:

DNI / NIE:

Signed:

Barcelona,