

R2A-Postdoctoral Researcher (G1) at the Translational genomics & Targeted therapies in Solid tumors

Code: FU-145/2025

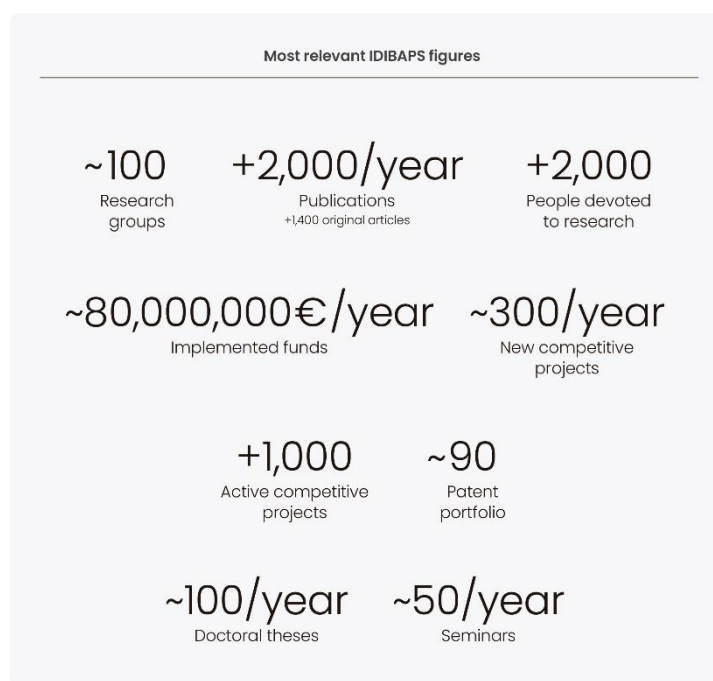
About the institution

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 specialties, 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

POSTDOC IN CANCER GENOMICS & ENVIRONMENTAL EXPOSURES

Join a Top Translational Team!

This postdoctoral position is part of a large-scale translational study involving >1,500 patients with NSCLC, enrolled in the 1920-EORTC BIORADON, MIRROR, and EXPOSOME-ICAPEM studies.

The project focuses on the comprehensive multi-omic profiling of lung cancer in populations exposed to different carcinogens, with a special interest in radon gas and genetic predisposition.

The selected postdoc will join the MECA Team, an interdisciplinary research group composed of clinician-scientists, molecular biologists, oncologists, environmental biologists, bioinformaticians, and computational scientists. Our goal is to advance the understanding of carcinogenesis mechanisms in lung cancer and other solid tumors and ultimately translate these findings into precision medicine and cancer prevention strategies.

Who We Are Looking For:

- PhD in Cancer Genomics or related fields.
- Expertise in Molecular Oncology and Cancer Genomics.
- Previous experience in -omics (WES, RNA-seq, epigenomics) and single-cell approaches is valued.
- Experience in preclinical models is desirable.
- Strong analytical and problem-solving skills.
- Ability to work in an interdisciplinary, international team.
- Scientific writing skills (prior publications in peer-reviewed journals will be valued)

Your Role & Key Responsibilities:

- Lead a research project focused on radiation-induced carcinogenesis and its synergistic mechanisms in lung cancer.
- Perform multi-omic analyses (genomic, transcriptomic, and immunoprofiling) to identify molecular signatures linked to carcinogen exposure.
- Collaborate with clinical teams to validate findings and explore their translational potential.
- Contribute to high-impact scientific publications, grant applications, and international research collaborations.
- Opportunities for career development within the team, with the potential to lead independent projects in the future

What We Offer:

- A unique opportunity to work in a cutting-edge research environment at IDIBAPS, one of Europe's top biomedical research institutions.
- Collaboration with leading international research groups in cancer and environmental health.
- Career development opportunities with a focus on leadership & innovation in translational cancer research.
- Direct interaction with clinical teams to bridge basic research with real-world

applications in cancer medicine.

- A supportive and interdisciplinary team passionate about advancing cancer research.

Required qualifications

- Degree in Biology, biomedicine, biotechnology or similar.
- PhD in Cancer Genomics or related field.

Experience and knowledge

- Expertise in Molecular Oncology and Cancer Genomics.
- Previous experience in -omics (WES, RNA-seq, epigenomics) and single-cell approaches is valued.
- Experience in preclinical models is desirable.
- Strong analytical and problem-solving skills.
- Ability to work in an interdisciplinary, international team.
- Scientific writing skills (prior publications in peer-reviewed journals will be valued).
- Spanish & English.

IDIBAPS offers

- **Type of contract:** Indefinite contract for scientific-technical activities.
- **Working hours:** Full time (37,5 hours / week).
- **Line of research:** Breast cancer / Cancer immunotherapy / Urologic cancer / Lung cancer / Thoracic oncology and environmental-related cancer / Melanoma / Upper gastrointestinal tumors / Colorectal cancer / Brain tumors / Head Neck Tumors / Early drug development (Clinical Trial Unit).
- **Project:** BIORADON_01: Decoding the Molecular, Immune landscapes and Mutational signatures of Radon-associated lung cancer in patients with non-small cell lung cancer: A Research Roadmap for Precision Medicine [BIORADON_01]
- **Funder and official project code:** FUNDACION CRIS DE INVESTIGACION PARA VENCER EL CANCER - TRANSPHYSTALENT24_08
- **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 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

- **Presentation letter:** explicitly mentioning the call reference and explaining the candidate's personal reasons for applying.
- **Curriculum Vitae:** including a list of publications, where applicable.
- **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

- Candidates shall submit their applications, indicating the call reference for the position for which they are applying, by email to the address: FCRBRRHH@recerca.clinic.cat
- **Deadline:** From the publication of this call until May 30th, 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 May 16, 2025

Authorisation request

I hereby authorise:

The **FUNDACIÓ DE RECERCA CLÍNICA 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,