



R2A-Postdoctoral Researcher (G1) at the Physiology and treatment of neurodegenerative diseases group.

Code: FU-41/2026

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).

Most relevant IDIBAPS figures

~100

Research groups

+2,000/year

Publications
+1,400 original articles

+2,000

People devoted to research

~80,000,000€/year

Implemented funds

~300/year

New competitive projects

+1,000

Active competitive projects

~90

Patent portfolio

~100/year

Doctoral theses

~50/year

Seminars

Job description

Apply and optimize existing bioinformatics pipelines for direct RNA sequencing (Nanopore) and short-read sequencing data analysis.

Evaluate and benchmark established computational tools for the detection and quantification of RNA modifications.

Perform integrative analyses of short-read sequencing data to investigate RNA modifications, transcriptional dynamics, and chromatin interactions.

Integrate multi-omics datasets to identify molecular mechanisms regulating HTT1a biogenesis.

Ensure effective communication with team members and collaborators to integrate expertise and extract the maximum biological information from datasets.

Contribute to mentorship and training of junior researchers, fostering standardized and rigorous approaches to bioinformatics analysis within the group.

Oversee and manage data and code repositories, ensuring optimal organization and prompt accessibility.

Develop and maintain web-based tools and interfaces for intuitive exploration of datasets, making data accessible to collaborators and non-expert users.

Required qualifications

- PhD in Bioinformatics.
- Specialization in Molecular Biology.

Experience and knowledge

- Expertise in long-read RNA sequencing analysis (Oxford Nanopore) or ML/computational modelling skills (experience with representation learning and/or sequence or signal-based models (e.g. deep learning, transformers, timeseries modelling)
- Experience with short-read sequencing analysis (RNA-seq, ChIP-seq, MeRIP-seq, or related).
- Proficiency in R, Python, Linux, and relevant bioinformatics tools/pipelines.
- Experience in integrative multi-omics analysis is highly desirable.
- Excellent communication skills and ability to work in a collaborative, interdisciplinary team.
- Track record of scientific publications in computational/AI or biomedical fields.
- Excellent communication skills and motivation to contribute to high impact research.
- Good command of English.

IDIBAPS offers

- **Type of contract:** Indefinite contract for scientific-technical activities.
- **Working hours:** Full time (37.5 hours / week).
- **Line of research:** Molecular Biology of Huntington Disease.

- **Project:** M6A RNA MODIFICATIONS IN HUNTINGTON'S DISEASE: MECHANISMS AND STRATEGIES TO REGULATE HTT1A EXPRESSION.
- **Funder and official project code:** CHDI Foundation-In-Oficial. Code: CHDI_2025_01
- **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 **February 16, 2026**.

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 February 02, 2026.

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,