



The Vall d'Hebron Research Institute (VHIR) is a public sector institution that promotes and develops the research, innovation and biosanitary teaching of the Vall d'Hebron University Hospital. Through the excellence of our research, we identify and apply new solutions to the health problems of society and we contribute to spread them around the world.



HR EXCELLENCE IN RESEARCH

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This recognition proves that VHIR endorses the general principles of the European Charter for Researchers and a Code of Conduct for the Recruitment of Researchers (**Charter & Code**).

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## Postdoctoral Researcher

### THERAPEUTICS AND INNOVATION IN NEUROPEDIATRICS AND OTHER PAEDIATRIC RARE DISEASES (TIN-RD) GROUP

VHIR offers a position for a Postdoctoral researcher within the Laboratory of Therapeutics and Innovation in Pediatric Neurology.

The group promotes the implementation of advanced therapies and innovative therapies of high technological complexity in pediatric rare diseases, specifically in Neurological ultra-rare diseases that impact the motor development of children and adolescents. The main objectives of the group are:

- (1) To improve precision genetic diagnosis, we perform systematic variant re-evaluation for the identification of new genes and difficult-to-diagnose variants. We also promote the use of new genetic technologies for the identification of point mutations and structural variants.
- (2) To develop new biomarkers and clinical tools that allow the monitoring of neurological symptoms through natural history studies and after specific therapies that modify the clinical outcome.
- (3) To contribute to the development of gene therapies for specific rare diseases.

#### JOB DESCRIPTION

##### Education and qualifications:

##### Required:

- Bachelor's Degree in Biosciences
- PhD in Biosciences
- Good communication skills in English

##### Desired:

- Experience in basic research in biomedicine.



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## Experience and knowledge:

### Required:

- At least 7 years of experience working in research in biomedicine
- Experience in common molecular techniques
- Management of databases
- Experience in handling of human biological samples
- Experience in genetic analysis
- Experience in cell culture

### Main responsibilities and duties:

- Handling, processing and storage of biological samples and associated data
- Routine and non-routine experiments which will include molecular analysis utilizing standard techniques (DNA and RNA extraction, PCR), and cell culture experiments.
- Responsible for genetic studies. Variant prioritization resources. Integration of regularly updated databases, public and private variant prioritization tools using machine-learning methods, bioinformatics predictors of intronic/UTR variant damage, gene panels reviewed and updated by the group and international consortia, use of deep phenotyping strategies, and transomic approaches.
- Collaborate with administrative and laboratory management tasks

### Labour conditions:

- Full-time position: 40/week.
- Starting date: March 2024
- Gross annual salary: 39.656,64 euros
- Contract: Technical and scientific activities contract linked to the project activities



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## What can we offer?

- Incorporation to Vall d'Hebron Research Institute (VHIR), a public sector institution that promotes and develops the biomedical research, innovation and teaching at Vall d'Hebron University Hospital (HUVH), the biggest hospital of Barcelona and the largest of Catalan Institute of Health (ICS).
- A scientific environment of excellence, highly dynamic, where high-end biomedical projects are continuously developed.
- Continuous learning and a wide range of responsibilities within a stimulating work environment.
- Individual training opportunities.
- Flexible working hours.
- 23 days of holidays + 9 personal days.
- Flexible Remuneration Program (including dining checks, health insurance, transportation and more)
- Corporate Benefits: platform through which you can obtain significant discounts on travel, culture, technology, gastronomy, sports... among many others.
- Healthy Offering: choose from a variety of wellbeing focused activities to be the healthiest you.

## How to apply:

Applicants should submit a full Curriculum Vitae (including academic marks during Bachelor's degree) and a motivation letter with the reference "Pediatric Neurology Group" to the following email addresses: [belen.perez@vhir.org](mailto:belen.perez@vhir.org) and [seleccio@vhir.org](mailto:seleccio@vhir.org)

**Deadline to apply: 11-03-2024**

The Fundació Hospital Universitari Vall d'Hebron-Institut de Recerca - "VHIR"-, with NIF G-60594009, address in Barcelona -08035- Passeig Vall d'Hebron 119-129, Edifici Mediterrània, 2a planta and telephone (34) 934 89 30 00 is the data controller for the



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processing of your personal data. The data will be processed exclusively for the purpose of managing your participation in the selection process, as well as, if necessary, managing your participation in other selection processes.

Unless you give your informed consent to keep your personal data for future selection processes, in the event that the selection process is completed and you are not the person selected, your personal data will be deleted and blocked in order to be able to respond to any possible liabilities that may arise.

The legal basis of the processing is the execution of a contract to which the data subject is party or in order to take steps at the request of the data subject prior to entering into a contract.

The recipient of the data will be the VHIR's Professional Development personnel and no transfer of personal data is foreseen, except for the fulfilment of legal obligations applicable to the data controller. International data transfers are not foreseen. No automated decisions will be taken, including profiling. In general, personal data will not be communicated to third parties, except for legal obligations in accordance with Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 (GDPR) to persons who are entitled to request them. You have the rights of access, rectification, deletion, portability, limitation and opposition that can be exercised at any time through the email [dpd@ticsalutsocial.cat](mailto:dpd@ticsalutsocial.cat) or [lopd@vhir.org](mailto:lopd@vhir.org). In compliance with Regulation (EU) 2016/679, the VHIR has appointed a data protection officer, whose contact details are [dpd@ticsalutsocial.cat](mailto:dpd@ticsalutsocial.cat). You can also lodge a complaint with the competent Data Protection Authority by contacting [www.apdcat.cat](http://www.apdcat.cat) or [www.aepd.es](http://www.aepd.es).