



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

In April 2015, the **Vall d'Hebron Research Institute (VHIR)** obtained the recognition of the European Commission **HR Excellence**.

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**).

VHIR embraces Equality and Diversity. As reflected in our values we work toward ensuring inclusion and equal opportunity in recruitment, hiring, training, and management for all staff within the organization, regardless of gender, civil status, family status, sexual orientation, religion, age, disability or race.

Post-doctoral Researcher

Neurological Rehabilitation and Brain Injury Unit

We provide comprehensive and intensive care to patients with stroke, head injury or acquired brain injuries working in a multidisciplinary team: physiatrist, physiotherapist, occupational therapy, speech therapist and neuropsychologist. Our aim is to ensure the continuity of care for the patient with acquired brain injury during the different stages of the rehabilitation process including novel technologies

The Neurological Rehabilitation and Brain Injury Unit (Neurorehabilitation Knowledge Area) has participated together with the Neurovascular Research Laboratory (VHIR), in three research projects funded by the Carlos III Health Institute, aimed at finding biomarkers to monitor and predict the recovery of stroke patients after intensive rehabilitation programs (PRI). The aim of this research is to be able to find neuro-repair markers that allow us to individualize rehabilitation therapies and move towards personalized neurorehabilitation medicine. Another of our lines of work includes the validation of novel technologies: a virtual reality (VR) system for upper extremity rehabilitation in stroke patients, the Rehabilitation Gaming System (RGS) developed and validated by a European consortium funded by the European Commission through the "ambient assisted living" (AAL) program and the Spanish national project SANAR. We are currently part of a European consortium for the development and validation of an ecosystem with VR and augmented reality for the telerehabilitation of stroke patients.

The unit also participates in phase 1 phase 2 multicenter clinical trials.

JOB DESCRIPTION

Education and qualifications:

Required:

- PhD
- Specific/Additional training in Statistics, Research Methodology, Clinical Studies design and implementation.



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- Fluency in English (business level).

Desired:

- Specific/Additional training in Neurorehabilitation, validation of novel technologies, virtual reality and/or telerehabilitation tools.
- Experience in multicenter studies, financed competitive research projects.
- Fluency in Catalan, Spanish.

Experience and knowledge:

Required:

- Experience in preparing proposals for financed competitive research projects.
- Experience in writing manuscripts for publication in peer reviewed journals
- Knowledge of Statistics, Microsoft Office Software: Excel, PowerPoint, Word and other database programs.

Desired:

- Experience working in Rehabilitation multidisciplinary teams.
- Knowledge of Software SPSS.
- Focused on teamwork.

Main responsibilities and duties:

- Participate in an international multicenter randomized clinical trial (RCT) to validate an ecosystem (NEST) based on Virtual and augmented reality for the sustained rehabilitation of post-stroke patients at home
- Coordinate and implement the database of the RCT for the NEST project
- Collaborate with the Neurorehabilitation team, - participating in other research projects of the Neurorehabilitation Area of Knowledge relating to Spasticity - validating a virtual reality platform for balance training after stroke and/or other acquired brain injuries (PHASE study).
- Analyze the data for the RCT of the NEST study and other related research.



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- Organize and prepare the manuscripts for publication (RCT, spasticity research of the Neurorehabilitation Unit).
- Prepare/Organize documentation for the International project NEST (Neurorehabilitation Ecosystem for Sustained Therapy)
- Searching for other financed research projects.

Labour conditions:

- Part-time position: 20h/week.
- Starting date: 3rd June, 2024
- Gross annual salary: 12.392,70 euros
- Contract: *Technical and scientific activities contract linked to the project activities, until December 2024*

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.



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How to apply:

Applicants should submit a full Curriculum Vitae and a motivation letter with the reference "Post-doctoral Researcher" to the following email addresses: susana.rodriguezgonzalez@vallhebron.cat and seleccio@vhir.org

Deadline to apply: 09-05-2024

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 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 or lop@vhir.org. In compliance with Regulation (EU) 2016/679, the VHIR has appointed a data protection officer, whose contact details are dpd@ticsalutsocial.cat. You can also lodge a complaint with the competent Data Protection Authority by contacting www.apdcat.cat or www.aepd.es.