



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.**

## Postdoctoral researcher

### Peripheral Nervous System Research Group

The Peripheral Nervous System Group has a twenty-year history providing clinical care and researching in amyotrophic lateral sclerosis (ALS), other motor neuron diseases (hereditary spastic paraplegias, postpolio syndrome and spinal muscular atrophies), as well as in myasthenia gravis, genetically determined myopathies, and peripheral neuropathies.

The Peripheral Nervous System Group at Vall d'Hebron Hospital wants to incorporate to its team a Postdoctoral researcher for the identification of new biomarkers in ALS and the development of predictive biomarkers panels for progression of neuromuscular diseases (ALS, CIDP and myopathies).

#### JOB DESCRIPTION

##### Education and qualifications:

##### Required:

- Bachelor's Degree or Grade in Biosciences (Biology, Biochemistry, Biomedicine, Bioinformatics, Human Biology, Genetics, etc).
- PhD related with Biosciences (Biomedicine, Biochemistry, Molecular or Cellular Biology, Genetics, etc).
- Fluency in Catalan, Spanish and English (minimum: CEFR B2 / FCE / TOEFL iBT >71).

##### Desired:

- Computer advanced level (Office package, bioinformatics tools).
- Knowledge of statistical analysis packages such as SPSS, R, Stata and biological databases are desirable.
- Organized and methodical person with high motivation and initiative.
- Good communication skills.
- Fluency in French.



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## Experience and knowledge:

### Required:

- At least 2 years of experience working as postdoctoral researcher in bioinformatics or more than 7 years as bioinformatic's technician in rare diseases.
- Authorship of articles in high-impact journals, and conference abstracts, will be highly evaluated.
- Skills in genomics (exome, SNP genotyping), and transcriptomics (qRT-PCR, RNAseq) for biomarkers' identification.
- Knowledge of NGS (next generation sequencing) bioinformatics: processing and data analyses.
- Ability to team-work as well as independence abilities.

### Desired:

- Skills in linux, R and programming languages (Perl, Python, Java,... ).
- Skills in proteomics (HPLC +MS).
- Skills in cytometry and lipid analyses.
- Skills in biomedical applied statistics and machine learning.

## Main responsibilities and duties:

- Collaborate on the development of current projects, carrying out the bioinformatics and cellular analyses.
- Preparation of manuscripts for its publication or memory's drafts for grants/projects applications.
- Presentation of results in meetings and congresses.
- Attend translational meetings of the Neuromuscular Diseases Unit.



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### Labour conditions:

- Full-time position: 40h/week.
- Starting date: April 19<sup>th</sup> 2022
- Gross annual salary: 26,000 euros (Remuneration will depend on experience and skills. Salary ranges are consistent with our Collective Agreement pay scale).
- Contract: Funding is available initially for 2 years, but ideally she/he should be competitive to apply for postdoctoral fellowships.

### 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.
- Personal training opportunities.
- Flexible working hours.
- 23 days of holidays + 9 personal days.
- Flexible Remuneration Program (including dining checks, health insurance, transportation and more).

### How to apply:

Applicants should submit a full Curriculum Vitae and a cover letter with the reference "Peripheral Nervous System Post-doc" to the following email addresses: Raúl Juntas ([rjuntas@vhebron.net](mailto:rjuntas@vhebron.net))\_ and [seleccio@vhir.org](mailto:seleccio@vhir.org)