



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.



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)**.

Thus, there are no restrictions of gender, national origin, race, religion, sexual orientation or age and **candidates with disabilities are strongly encouraged to apply.**

Postdoctoral Researcher

Transfusional Medicine Group, Blood and Tissue Bank

VHIR offers a vacant position for Researcher within the Transfusional Medicine of the Blood and Tissue Bank (BST)

JOB DESCRIPTION

Education and qualifications:

- Bachelor's and Master Degree in Life/Health Sciences or Biomedical Research
- PhD degree in Genetics, Biology, Biomedicine, Computer Science or similar
- Training in Bioinformatics and Biostatistics will be valued

Experience and knowledge:

Skills

- Good communication skills and fluency in spoken and written English
- Strong sense of responsibility, organization, initiative and self-motivation
- Social skills and ability to work as a team
- Communication skills in meetings, formal presentations, informal discussions and written documentation

Specific knowledge and expertise

- Minimum of 2 years of prior work experience in basic or applied research as postdoctoral researcher
- General computer skills in Windows MS, macOS and Linux operating systems
- Prior experience of database management, graphical representation, genetic analysis and statistical computing applied to biomedicine with available or commercial software –such as *SPSS*, *MS ACCESS* or the *PLINK* toolset– and custom-designed solutions based on programming languages –such as the *R* environment–.
- Knowledge in the application of Machine Learning algorithms and statistical models to massive data (*Big Data*) to perform pattern recognition and prediction
- Experience on *Next Generation Sequencing analysis* (NGS; especially in *Illumina* and *Oxford Nanopore* protocols) analysis of output data will be valued

Main responsibilities and duties:

- Creating, updating and maintenance of large and multimodal databases
- Supporting experimental study design and analysis plan of the group research lines
- Providing statistical and bioinformatics support to the research project, including design and implementation of Big Data management and Machine Learning pipelines
- Dissemination of results and writing reports for publication in relevant scientific journals
- Providing support in the preparation and submission of grant proposals to competitive and non-competitive calls for funding

Labour conditions:

- Full-time position (40h/week)
- Starting date: 1st January 2020
- Length of the contract: the research position is scheduled initially for two years (open to renewal)
- Gross annual salary: 24.785,40 euros

How to apply:

Applicants should submit a full Curriculum Vitae and a cover letter with the reference “*PostdoctoralR*” to the following email addresses: seleccio@bst.cat, seleccio@vhir.org, fvidal@bst.cat amasi@bst.cat