



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.**

Predocctoral Researcher

Clinical and Translational Bioinformatics Research Group

VHIR offers vacancy/vacant position for a Predocctoral Researcher within the Clinical and Translational Bioinformatics Group

JOB DESCRIPTION

Education and qualifications:

Required:

- Master in Bioinformatics
- Bachelor of Science in Life Sciences, Molecular Biology, Biotechnology

Experience and knowledge:

Required:

- Expertise in the development of machine learning predictors (Random Forests, Neural Networks) for variants in the BRCA1/2 genes
- Knowledge of the mutational landscape in BRCA1/2 genes and the structure/function relationship in these genes
- Good programming skills in Python
- Skills in data analysis and representation

Main responsibilities and duties:

- Develop a family of pathogenicity predictors for BRCA1/2 genes and for other genes in the breast and ovarian cancer hereditary pathway. This will require retrieval of mutation data and subsequent training and validation of the resulting predictors.
- Refinement of the initial predictive model using different information sources
- Explore the possibility of extending the model to other genes
- Duty: maintenance of the computer system: e.g. backups, update software, etc.

Labour conditions:

- Start: Immediately
- Length of the contract: 12 months

- Full-time position (40h/week)
- Gross annual salary: 16.490,46 euros.

What can we offer?

- Skillful and social colleagues in a dynamic environment.
- Challenging tasks and a wide range of responsibilities
- Personal training opportunities.
- Flexible working hours.
- 23 days of holidays + 9 personal days.
- Flexible Remuneration Program (including dining checks, health insurance, transportation and more).
- Annual teambuilding events.

How to apply:

Applicants should submit a full Curriculum Vitae and a cover letter with the reference BIOCLIN to the following email addresses: xavier.delacruz@vhir.org and (seleccio@vhir.org) .