



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.**

Pre-doctoral Researcher to submit a fellowship application Psychiatry, Mental Health and Addictions Research Group

The Vall d'Hebron Research Institute (VHIR) offers vacancy/vacant position for a PhD student in the Group of Psychiatry, Mental Health and Addiction to apply for a fellowship application (PFIS contract).

The pre-doctoral researcher will work in an interdisciplinary biomedical environment in the project entitled "Impact of Neurodevelopmental Disorders on School Performance: genes and environment (INSchool)" funded by the Instituto de Salud Carlos III (Ministerio de Economía , Industria y Competividad; PI19/00721).

Group publications related to the project include the following:

Cross-Disorder Group of the Psychiatric Genomics Consortium. Genome wide meta-analysis identifies genomic relationships, novel loci, and pleiotropic mechanisms across eight psychiatric disorders. Cell (in press).

Soler Artigas M, et al. Attention-deficit/hyperactivity disorder and lifetime cannabis use: genetic overlap and causality. Mol Psychiatry. 2019 Jan.

Demontis D et al Discovery of the first genome-wide significant risk loci for attention deficit/hyperactivity disorder. Nat Genet. 2019 Jan.

Sánchez-Mora C, Soler Artigas M, et al. Epigenetic signature for attention-deficit/hyperactivity disorder: identification of miR-26b-5p, miR-185-5p, and miR-191-5p as potential biomarkers in peripheral blood mononuclear cells. Neuropsychopharmacology. 2018 Dec.

More information about our group can be found [here](#).

JOB DESCRIPTION

Education and qualifications:

Required:

- Degree in Biological, Health or Basic sciences (Biology, Genetics, Mathematics, etc).
- Good academic qualifications (over 2.6).
- Master's Degree in Bioinformatics or Biosciences.

Experience and knowledge:

Required:

- Communication skills and fluency in written and spoken English.
- High motivation and team work abilities.

Main responsibilities and duties:

- To assess the genetic overlap between neurodevelopmental disorders and school performance using genome-wide association studies.
- To infer the causal role of neurodevelopmental disorders on school performance using a two-sample Mendelian randomization approach.
- To identify environmental exposures (parental non-transmitted genomic information, family socioeconomic status or exposure to air pollution and green spaces) associated with poor school performance.
- To identify gene*environment interactions affecting school performance.
- To undertake literature searches, write papers and present results at different scientific meetings.

Labour conditions:

- Full-time
- Length of the contract: annual up to 4 years
- Gross annual salary: 20.600 €/year (according the present PFIS call 2020)

How to apply:

Applicants should submit a full Curriculum Vitae and a cover letter with the reference “Predoctoral – PFIS” to the following email addresses: cristina.sanchez@vhir.org and seleccio@vhir.org before February 5th.