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 Competivitad; 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.

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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.