



Title: Postdoc Bioinformatics, Genomics of autoimmune diseases, Barcelona, Spain

The Vall d'Hebron Hospital Research Institute (VHIR) is a leader centre in biomedical research at a national and European scope. Because of its privileged relation with the third-level hospital, achieves a highly competitive position. It also deepens collaborative relationships with other science parks, universities and research institutes. VHIR aspires to be one of the main actors to help define and consolidate this space of biomedical research in southern Europe; working both in basic and translational or applied research.

The Rheumatology Research Group (Grup de Recerca de Reumatologia, GRR) at VHIR seeks to fill one full-time position:

Postdoctoral Bioinformatics at GRR-VHIR

Starting date: 15 February 2017 or later.

Duration: 3 years. Option of further extension.

The successful applicant will participate in a recent spin-off company from the GRR-VHIR focusing on the genomic analysis of autoimmune diseases. Large-scale datasets on transcriptomics (RNASeq), methylation (array, methyl-Seq) and other molecular data from patients of this prevalent group of diseases will be generated and studied. Our biomedical research questions will be centered on main challenges in precision medicine in autoimmune diseases including patient stratification and drug-target identification. The postdoc will work in close collaboration both with expert genomic scientists as well as medical researchers.

Tasks:

- Development of a pipeline for RNA-seq and methylation data analysis.
- Statistical association analysis and model construction.
- Integration or results with external high-volume biological knowledge.
- Data mining linking molecular to clinical phenotypes.

Required Qualifications:

- PhD in Bioinformatics, Computational Biology, Systems Biology or closely related areas
- Strong experience in analysis of transcriptome-wide data sets.
- Excellent programming skills.
- Familiarity with R would be an asset.

Applications including all relevant credentials should be sent to: GRR-VHIR Human Resources
e-mail: hr.grr.vhir@gmail.com