



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.



## Statistician Rheumatology Research Group

Vall d'Hebron Research Institute (VHIR) is a public sector institution, located in Barcelona (Spain) that promotes and develops innovative biomedical research at the University Hospital Vall d'Hebron. VHIR is oriented towards finding solutions to the health problems of the citizens and has the will to contribute to the scientific, educational, social and economic development within its area of competence around the world.

VHIR offers vacancy/vacant position for a Statistician or Mathematics PhD Student within the Vall'Hebrón Research Institute **Rheumatology Research Group**

### JOB DESCRIPTION

#### Education and qualifications:

**Required: Statistics degree/ Mathematics Degree or Double degree including Mathematics or Statistics**

- Verifiable experience in Statistics Consultancy is also valued

#### Experience and knowledge:

- Observational studies: epidemiology, association risk and phenotypes correlation
- Database management including computer skills MySQL and R.
- Research experience in computational aspects of one or more of the following area (or highly related) preferred: Bayesian modeling, causal inference methods, finite mixture models, generalized additive models, joint modeling, missing data methods, nonlinear mixed models, survival analysis
- Experience with a scripting type of languages such as Python/Numpy/Scipy, R, Matlab, or similar and some familiarity with SQL or similar. Knowledge of C#, C, Java, etc... is a plus.
- Comfortable manipulating and analyzing complex, high-dimensionality from varying sources to solve difficult problems
- Ability to communicate complex quantitative analysis in a clear, precise, and actionable manner



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.**

- **Main responsibilities and duties:**

- Cleanse and QC of heterogeneous clinical datasets.
- Assist in the design of experiments and perform their analysis in a statistically rigorous way.
- Perform data explorative studies using unsupervised and supervised multidimensional approaches, as well as classification analyses.
- Work closely with bioinformatics and clinical teams to identify and answer relevant biomedical questions.

**Labour conditions:**

- Full-Time position (40 hours per week)
- Salary: 25.000€
- Start: immediately

**HOW TO APPLY**

Applicants should submit a full Curriculum Vitae and a cover letter with the reference CV's Unit Rheumatology. to the following email addresses: [toni.julia@vhir.org](mailto:toni.julia@vhir.org) and ([seleccio@vhir.org](mailto:seleccio@vhir.org))