



## Job Offer

### Statistics or Bioinformatics

(Ref. 2307 - ALONSO)

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#### Job Description:

We are looking for a motivated team member to join IMIM's Health Services Research Group, led by Dr Jordi Alonso. Among other research interests, the Health Services Research Group focusses on **implementing state-of-the-art statistical techniques** (including machine learning) on various types of data (e.g., web-based survey data, electronic healthcare registry data, data obtained through ambulatory/momentary assessment or experience sampling methods ) to develop **new insights in the development of risk for mental disorders and suicide, and to quantify unmet need for healthcare among individuals with mental health issues**. The team is currently leading various research projects that focus on identifying and **personalized prediction of adverse mental health outcomes** in different populations (e.g., general population, university students, healthcare professionals, COVID-19 patients). And also, Psychological Well-Being.

Specifically, we are looking for candidates **formally trained in Statistics or Bioinformatics** (as Major or as part of their degree), that have an interest or existing expertise in any of the following tasks: **data management** (cleaning of raw data, data quality control, preparation for first analysis), **data harmonization and interoperability tasks** (e.g., of clinical healthcare registry data), **psychometric analysis of survey scales, implementation of missing data handling techniques** (e.g., calculation of post-stratification weights, multiple imputation), **analysis of complex sample design survey data, analysis of data obtained from ambulatory assessment** (e.g., using multi-level modelling, neural network analysis), and the **implementation of machine-learning techniques** to increase prediction model accuracy and to identify most important predictors. We offer a stimulating environment with ample formal and informal learning opportunities, including the opportunity to obtain academic output. Knowledge of statistical software packages (R, Python, SAS, STATA, M-PLUS) is an asset. Good communication and organizational skills are essential in our team. Knowledge of Catalan, Spanish, and English is appreciated.

#### More information Health Services Research Group IMIM and PRBB:

[https://www.imim.es/programesrecerca/epidemiologia/en\\_lineesgrss.html](https://www.imim.es/programesrecerca/epidemiologia/en_lineesgrss.html)

<https://www.prbb.org/>

**Recruitment:** Pending the next resolution of requested projects.

#### Application and enquiries:

Applicants should submit their CV, a presentation letter and contact to [pbarbas@imim.es](mailto:pbarbas@imim.es)

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