

Reference: IBI-TM-1

Job description: A position on Biomedical Text Mining is available for a highly motivated researcher in the Integrative Biomedical Informatics (IBI) group led by Ferran Sanz and Laura I. Furlong at GRIB (IMIM-UPF) in Barcelona.

General description

The successful candidate will work in the DisGeNET (<http://www.disgenet.org/>) and PsyGeNET (<http://www.psygenet.org/>) projects, which are based in information extracted from the literature by text mining. The overall aim is to further develop and improve our text mining pipeline for the extraction of information on genes, variants and diseases from the literature. In addition, the candidate will work in close collaboration with other members of the group in a variety of interdisciplinary projects in the areas of genome medicine and systems pharmacology, in which biomedical text mining is applied.

Desired Skills and Expertise

Required

- University degree in informatics, medical informatics, bioinformatics, computational linguistic, language engineering or related area
- Strong programming skills in Java, Python or Perl
- Good English communication skills
- Strong interpersonal skills
- Ability to work in a multidisciplinary environment

Desirable

- Experience in text mining/Natural Language Processing
- Expertise in development of text mining pipelines using GATE or UIMA
- Experience in working with biomedical ontologies and controlled vocabularies
- Knowledge on data mining techniques
- Expertise in database development and management (relational and noSQL)
- Good programming skills in R

The IBI group is an international research group with interdisciplinary expertise in biology, medicine, pharmacology, chemistry, psychology and informatics. It has a unique experience in the fields of network medicine and biomedical text mining. Recent achievements include: i) development of the DisGeNET and PsyGeNET knowledge platforms, ii) development and application of biocuration approaches, iii) development of network biology approaches to study the mechanisms leading to adverse drug reactions and disease comorbidities, iv) semantic web approaches for life sciences, v) strategies for the reuse of clinical data in biomedical research, and vi) participation in international projects in the aforementioned fields (EMIF, eTOX, Open PHACTS, MedBioinformatics, iPiE).

To apply: Please send a CV, letter of interest and the contact information for 2-3 referees by email to chus.donlo@upf.edu. Reference: IBI-TM-1.



Institut Hospital del Mar
d'Investigacions Mèdiques

