

Research position in Biomedical Informatics

The Integrative Biomedical Informatics (<http://ibi.imim.es>) group at the Research Unit on Biomedical Informatics is seeking a highly motivated PhD candidate with a deep interest in text mining of biomedical literature and biomedical data integration.

The candidate will participate in the FP7 EC-funded project ALERT. The ALERT project aims to develop an innovative computerized system to detect adverse drug reactions (ADRs), and to provide hypothesis on the mechanisms of ADR based on current knowledge. ALERT is carried out by an interdisciplinary team of researchers who share the ultimate goal of demonstrating that an earlier detection of adverse side effects of drugs is possible by using modern biomedical informatics technologies to efficiently exploit both the massive amounts of available. Our group's effort in the project is devoted to the development of text mining tools for the extraction of relationships between relevant entities (drugs, proteins, adverse effects) from biomedical literature, and the modelling of drug and ADR related interaction networks.

The candidate's tasks will involve the development of methodologies for extraction relationships between genes, drugs and ADR. We look for a highly motivated candidate with at least one of the following abilities: excellent programming skills, experience in machine learning algorithms, knowledge of natural language processing techniques. Background in database management, heterogeneous data integration and data mining will also be appreciated. Very good communication skills in English are required, as strong interaction with the partners in the consortium is needed.

The GRIB is located in the new Barcelona Biomedical Research Park (<http://www.prbb.org/>), which constitutes one of the most exciting interdisciplinary research centres in South Europe in one of the fastest growing biomedical research regions in the area.

For more details about the project or application, please contact Dr. Laura I. Furlong ([ref: Alert PhD position](#)). To apply for the position, send by e-mail a statement of interest, CV and the name of two referees to whom we may contact for details.

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