

Pre-doctoral work/thesis on integrative modelling and *in silico* prediction of drug biological properties.

Job description

The selected candidate will participate in projects aiming to the *in silico* prediction of the biological properties of novel drug candidates. The research will be carried out within a large consortium including the most important European pharmaceutical companies and some of the best *in silico* prediction experts in Europe.

The Computer-Aided Drug Design (CADD) laboratory (<http://cadd.imim.es>) is part of the Research Unit on Biomedical Informatics (GRIB) (<http://grib.imim.es>), a joint unit of the IMIM-Hospital del Mar and the University Pompeu Fabra, located at the PRBB, Barcelona.

Requirements

- A degree or master in informatics or mathematics. Other scientific degrees will be also considered (biology, pharmacy, physics, telecommunication engineer, etc.)
- Good programming skills (C/C++, Java)
- Experience in database management (MySQL)
- Knowledge of the Linux environment
- Some experience with R, MatLab, Octave or other statistical/mathematical languages
- Intermediate English level
- Highly motivated and enthusiastic

Contract

Position available immediately. Salary according to profile and previous experience. Interested candidates can make their PhD thesis on this project under the supervision of the head of the laboratory.

Candidates must send a CV and letter of interest to: manuel.pastor@upf.edu