



**Date of publication of the job offer** Nov 27th 2017

**One position at the Structural Bioinformatics Lab**

**Analyses of the stability of the structure of protein -protein interactions-**

- Development of the server to analyze the stability of protein-protein interactions
- Development of the server that analyzes the stability of proteins
- Development of the programs that analyze the relevance of proteins and protein interactions in a network associated with a patho-phenotype (specifically on cases of co-morbidities)
- Update of the programs BIANA and GUILD for the study of protein interaction networks associated with diseases. Integration of DisGeNet

**Project and Institution that finance the contract**

PR04115 - MINECO-BIO2014-57518-R OLIVA,B

**Information on the minimum requirements**

Biotechnology Degree. Master will be an asset.

- Python: Good programming skills, including BioPython, Numpy, Tkinter, NetworkX and Scikit-learn packages.
- Perl: Good programming skills, including experience in the application of Perl for the processing of genomic data and machine learning studies
- R: Good programming skills, including numerous statistical analyses, Bioconductor and use of RMarkdown
- Web development: PHP, JavaScript, CGI, HTML, CSS. Good use of the web framework CodeIgniter and currently learning Django
- Databases management: MySQL, SQLite

**Benefits of the opening**

Six months contract, starting January 1st 2018, Gross salary 14.500 eur/year (Social costs included), 27,5 hrs/week.

**Information on the application process**

Send CV and letter of interest, to [carina.oliver@upf.edu](mailto:carina.oliver@upf.edu) (REF/PN\_BO)

**Deadline to submit applications** – Dec 15th 2017

**Contact** Carina Oliver / GRIB