Pre-doctoral research fellowship in structural bioinformatics in Padova

Location: Padova, Italy
Contact: biocomp@bio.unipd.it

A research fellowship for a software developer in structural bioinformatics is available at the **BioComputing UP** Laboratory, University of Padova (URL: `http://protein.bio.unipd.it/`). A highly motivated and creative candidate is sought to work on bioinformatics methods development. Specifically, the project entails to rationalise, design, and implement predictive bioinformatics tools for large scale statistical analysis of protein sequence and structure data.

The **BioComputing UP** Laboratory, headed by Prof. Silvio Tosatto, is a dynamic group of a dozen people working on several aspects of prediction of protein structure & function employing techniques at the intersection between biology, medicine, chemistry, physics & computer science. Our aim is to integrate the development of novel methods and their application to biologically relevant problems. We are currently funded by the Italian Association for Cancer Research (AIRC) and the University of Padua. The lab is heavily involved in European projects, coordinating COST Action BM1405 (*NGP-NET*) and two MSCA-RISE projects (REFRACT and IDPfun). It is also part of the European infrastructure for life science data (ELIXIR-ITA), with Prof. Tosatto acting as Deputy Head of Node for the Italian node.

We are looking for a candidate with a solid Bioinformatics background, programming experience (Python and Bash) and experience in using database systems in a Unix-based environment. Good knowledge of statistics software as well as bioinformatics tools is desirable. Candidates should have a degree with top marks and be highly motivated to work on interdisciplinary research. Good knowledge of English, dedication, an open-minded spirit, being collaborative and creative are crucial.

The fellowship, which should start in the first half of 2019, is renewable and initially for one year. It will be commensurate to experience, can be extended depending on performance and may lead to a PhD degree. The successful candidate will be working full-time at the BioComputing UP Laboratory, University of Padova. Travel support for conferences and/or research visits abroad is provided.

To apply, please send your CV, with a motivation letter and brief description of your research background as well as the names of two (or more) references to: `biocomp@bio.unipd.it`.