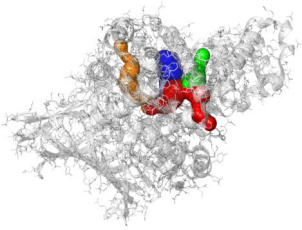
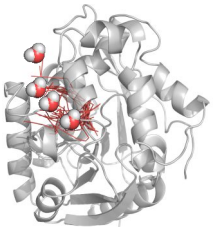
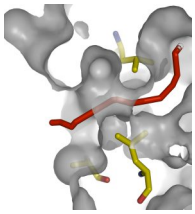
BiTlab

Laboratory of Biomolecular Interactions and Transport

Positions for bachelor or master students interested in structural bioinformatics of proteins in SONATA BIS project funded by NCN

We are seeking motivated colleagues who would like to deepen their knowledge in the filed of exciting and rapidly developing structural bioinformatics and contribute to the cutting-edge research performed at the **Laboratory of Biomolecular Interactions and Transport** (www.labbit.eu). The successful candidate will study mechanisms governing the transport of substrates, products and inhibitors to active sites of enzymes. The main goal is to identify structural features responsible for the cooperativity and interference among these small molecules. Such knowledge is crucial for the discovery of the molecular origins of various pathologies, improvement of binding kinetics of inhibitors (future drug candidates), and engineering of improved biocatalysts employed in numerous biotechnologies. **The laboratory is located in Poznan** and is jointly affiliated to *the Institute of Molecular Biology and Biotechnology, Faculty of Biology, Adam Mickiewicz University in Poznan* and *the International Institute of Molecular and Cell Biology in Warsaw* – both rank among the top research institutes in the country.

Requirements

- enrolled in the first-year of Master or third-year of Bachelor study program in bioinformatics, biophysics, biochemistry, computational chemistry and similar at universities in Poznan
- high motivation and enthusiasm
- familiar with Linux OS
- ability to communicate in English; both spoken and written
- ability to learn scripting/programing

Our offer

- participation in the cutting edge research project
- training in advanced computational methods
- financial support on the basis of the civil-law contracts possible subject to your performance
- possibility to prepare your degree thesis within the project
- opportunity to participate in courses and conferences
- friendly, dynamic and supportive environment

How to apply

Please send your applications or additional questions to Prof. Jan Brezovsky: janbre@amu.edu.pl. The selected candidates will be invited for an interview. The application should be prepared as **a single PDF file in English** and contain:

- one-page cover letter describing your motivation, your CV
- grades/scores received so far in the relevant study program
- a scan of your university degree certificates/diplomas (if applicable)
- please include the following statement in your application: "In accordance with Article 6(1)(a) of the General Data Protection Regulation of 27 April 2016 (Journal of Laws of the EU L 119/1 of 4 May 2016) I agree to the processing of personal data other than those indicated in Article 221 of the Labour Code (name(s) and surname; parents' names; date of birth; place of residence; address for correspondence; education; previous employment), included in my job offer for the purpose of current recruitment."

Selected publications

- *ACS Catalysis 6: 7597-7610, 2016*
- *Nucleic Acids Research 44: W479-487, 2016*
- *Nature Chemical Biology 10: 428-430, 2014*
- *Methods in Molecular Biology 1685: 25-42,2018*
- *Biotechnology Advances 31: 38-49, 2013*
- *Journal of Chemical Information and Modeling 55: 54-62, 2015*

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