



Full-time positions for Ph.D. candidates in biomolecular modeling

We are seeking motivated colleagues to fill in the open positions of Ph.D. students at the **Laboratory of Biomolecular Interactions and Transport** (www.labbit.eu) in **OPUS project funded by NCN**. The positions will be available as of **October 1st, 2018**. The successful candidates will study mechanisms of action of biomedically and biotechnologically interesting proteins and their interactions with a host of small molecules by using the state-of-the-art computational methods. The laboratory is located in Poznan, Poland, and is jointly affiliated to the **International Institute of Molecular and Cell Biology in Warsaw** and the **Institute of Molecular Biology and Biotechnology, Faculty of Biology, Adam Mickiewicz University in Poznan** – both rank among the top research institutes in Poland.

Examples of available research topics

- studying the role of ligand transport in enzyme function
- development of methods to study ligand transport
- large-scale analysis of biologically relevant enzymes

Requirements

- master's degree in biophysics, bioinformatics, biochemistry, computational chemistry or related field; candidates expected to receive their degrees till mid-2018 might also be considered
- good knowledge of Linux OS and molecular dynamics simulations, preferably AMBER
- high motivation and enthusiasm
- basic scripting/programming skills, preferably Python
- fluency in English, both spoken and written

Our offer

- fully funded position for **36 months** – net fellowship **3,000 PLN/month** (about €750); note that living costs in Poland are very favorable
- friendly, dynamic and supportive environment
- training in advanced computational methods
- opportunity to participate in international courses and conferences
- help with applications for additional funding during your studies

How to apply

Please send your applications or additional questions to Prof. Jan Brezovsky: jbrezovsky@iimcb.gov.pl by **April 10, 2018**. The selected candidates will be invited for an interview taking place in April 2018. The application should be prepared as a **single PDF file in English** and contain:

- one-page cover letter describing your motivation
- Curriculum Vitae also containing the description of your publications, attended courses and conferences
- two letters of recommendation - at least one should be from your direct supervisor
- a scan of your university degree certificates/diplomas, including the obtained grades/scores
- please include the following statement in your application: *"I hereby give consent for my personal data included in my application to be processed for the purposes of the recruitment process under the Personal Data Protection Act as of 29 August 1997, consolidated text: Journal of Laws 2016, item 922 as amended."*

Selected publications

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



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