



Post-doctoral position in MD simulation of enzymes

We are seeking a motivated colleague to fill in the open position of a Post-doctoral fellow at the **Laboratory of Biomolecular Interactions and Transport** (www.labbit.eu) in *SONATA BIS project funded by NCN (2017/26/E/NZ1/00548)*. The position will be available as of **July 1st, 2021**. The successful candidate will study mechanisms governing the transport of ligands in enzymes using the cutting-edge methods like MSM modeling, adaptive and enhanced sampling simulations. The research will also include the component of a method development. The acquired knowledge will be crucial to enable discoveries of the molecular origins of transport-related pathologies, improvements of binding kinetics of lead-like compounds, and engineering of improved biocatalysts. The laboratory is located in Poznan, Poland, 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 among the top research institutes in Poland.

Requirements:

- Ph.D. in Biophysics, Bioinformatics, Computational Chemistry, Biochemistry, or related field awarded in 2014 or later (can be extended due to documented long-term sick or child care leaves), fulfilling the formal criteria for the competition (for details see [link](#))
- documented expertise in molecular dynamics simulations; experience with application of Markov state models to understand proteins' dynamics would be considered important asset
- high motivation and enthusiasm, independence and reliability
- moderate scripting skills, preferably in Python
- fluency in English, both spoken and written

Our offer:

- **full-time** employment contract, initially for **12 months** with possible extension based on performance
- **gross salary** about **7,600 PLN/month** (about €1,800); note that living costs in Poland are very favorable
- friendly, dynamic and supportive environment

How to apply:

Please send your applications or additional questions to Prof. Jan Brezovsky: janbre@amu.edu.pl by **May 31, 2021**. The selected candidates will be invited for an online interview. The application should be prepared as a **single PDF file in English** and contain:

- one-page cover letter describing your motivation
- Curriculum Vitae including a complete list of publications
- a list of three most significant scientific achievements, containing a brief explanation why you consider them so
- two letters of recommendation - at least one should be from your direct supervisor
- a scan of your university degree certificates/diplomas
- the application must include the following statement: *"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."*
- candidates will be selected in an open competition, in accordance with the guidelines of the National Science Center
- the competition may be extended until a suitable candidate who fulfills all requirements is found

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, 20

Information clause for jobseekers

Pursuant to Article 13 of Regulation (EU) No. 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of individuals with regard to the processing of personal data and on the free movement of such data and repealing Directive 95/46/EC - General Regulation on data protection (Official Journal of the European Union L 119/1 of 04.05.2016) I hereby inform you that.

1. The Controller of your personal data is Adam Mickiewicz University in Poznań with its registered office at 1, Henryka Wieniawskiego Street, 61-712 Poznań.
2. The controller of personal data has appointed a Data Protection Inspector to supervise the correctness of personal data processing, who can be contacted via e-mail address: iod@amu.edu.pl.
3. The purpose of the processing of your personal data is to carry out the recruitment process for the indicated position.
4. The legal basis for the processing of your personal data is Article 6(1)(a) of the General Data Protection Regulation of 27 April 2016 and the Labour Code of 26 June 1974 (Journal of Laws of 1998, N21, item 94, as amended).
5. Your personal data will be stored for a period of 6 months from the end of the recruitment process.
6. Your personal data will not be made available to other entities, except for entities authorized by law. Access to your data will be granted to persons authorized by the Controller to process them within the scope of their professional duties.
7. You have the right to access your data and, subject to the provisions of law, the right to rectify, delete, restrict the processing, the right to transfer data, the right to object to the processing, the right to withdraw consent at any time.
8. You have the right to lodge a complaint to the supervisory authority - the President of the Office for Personal Data Protection, ul. Stawki 2, 00-193 Warszawa.
9. Provision of personal data is obligatory on the basis of legal regulations, in the remaining scope it is voluntary.
10. With regard to your personal data, decisions will not be taken automatically, in accordance with Article 22 RODO.

Consent clause

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 22 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.

- *The applicant should be informed in the job application notice that his/her CV should include a clause with the required content, in which case it will be considered.*

date and signature