

JOB OFFER

Position in the project:	PhD Student
Scientific discipline:	Bioinformatics
Job type (employment contract/stipend):	Scholarship
Number of job offers:	1
Remuneration/stipend amount/month ("X0 000 PLN of full remuneration cost, i.e. expected net salary at X 000 PLN"):	4500
Position starts on:	01.10.2019
Maximum period of contract/stipend agreement:	28 months
Institution:	Centre of New Technologies, University of Warsaw
Project leader:	Stanisław Dunin-Horkawicz
Project title:	An evolutionary-based approach to design the substrate specificity of the Rossmann fold enzymes
Project description:	The goal of the project is to understand the evolution of the Rossmann fold, one of the most prominent protein folds encompassing enzymes with >300 different functions. With the aid of bioinformatics methods, including machine learning and molecular simulations, we will reveal the principles that define the cofactor specificity in Rossmann enzymes. These principles will be used to build a "toolkit" for rational re-engineering of cofactor specificity. The proposed project involves collaboration with two partners: (i) Core Facility for Crystallography and Biophysics, University of Warsaw (Poland) and (ii) Department of Biomolecular Sciences, Weizmann Institute of Science (Israel).
Key responsibilities include:	Design and implementation of machine learning tools for protein sequence and structure analysis
Profile of candidates/requirements:	<p>1. Good knowledge of Python and scientific computing libraries (sci-kit, numpy, pandas, biopython). Experience with high-performance computing and Linux environment</p> <p>2. Previous experience in machine learning and bioinformatics tools (some of the following: protein sequence/structure analysis, protein design, molecular dynamics, phylogenetic analysis)</p> <p>3. Good writing and oral communication skills in English</p>
Required documents:	1. A copy of a MSc certificate

	3. A short CV
	4. A short cover letter
	5. Contact details of one academic researcher willing to provide a recommendation letter for the Candidate
We offer:	1. An opportunity to participate in a multidisciplinary project conducted in a collaboration with scientists from Poland (University of Warsaw) and Israel (Weizmann Institute of Science)
	2. The stimulating and very friendly work environment
	3. Access to the high-end computing equipment (CPU and GPU clusters)
Please submit the following documents to:	«FormOfAplying»
Application deadline:	15 July 2019
FNP programme	Project is carried out within the FIRST TEAM programme of the Foundation for Polish Science

«ProjectClause»

To allow us to process your data, please include the following statement in your application:

“I hereby consent to have my personal data processed by the University of Warsaw with its registered office at ul. Krakowskie Przedmieście 26/28, 00-927 Warszawa for the purpose of carrying out a recruitment process and selecting an employee and concluding a contract for employment at the University of Warsaw. I have been informed of my rights and duties. I understand that provision of my personal data is voluntary.”

In accordance with Article 13 of REGULATION (EU) 2016/679 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data – general regulation on data protection (Official Journal of the EU L 119/1 of 4 May 2016) the University of Warsaw informs that:

1. The administrator of your personal data is the University of Warsaw with its registered office at Krakowskie Przedmieście 26/28, 00-927 Warszawa, e-mail: iod@adm.uw.edu.pl;
2. The Administrator has designated the Data Protection Officer who supervises the processing of personal data, and who can be contacted via the following e-mail address: iod@adm.uw.edu.pl;
3. Your personal data will be processed for the purpose of carrying out a recruitment process and selecting an employee and concluding a contract for employment at the University of Warsaw;
4. The provided data will be processed pursuant to Article 22(1) § 1 of the Act of 26 June 1974 Labour Code (uniformed text: Dz.U. of 2018, item 917) and your consent for processing of personal data;
5. Provision of data in the scope stipulated in the Labour Code is mandatory (this is: name(s) and surname, parents' first names, date of birth, address of residence, correspondence address, education, previous employment);
6. The remaining data are processed according to your consent for processing of personal data;
7. The data will not be shared with any external entities, except for the cases provided for by law;
8. The data will be stored until you withdraw your consent for processing of personal data;
9. You have the right to access your personal data, rectify, erase, restrict its processing and to withdraw the consent at any time – the withdrawal of consent to processing data should be done in written form,

acceptably by e-mail sent to hr@cent.uw.edu.pl;

10. You have the right to lodge a complaint to the President of the Office for the Protection of Personal Data;
11. Your application will be archived and stored for auditing purposes;
12. The name of the selected candidate/s will be made public on the CeNT UW website in accordance with the requirements of the funding agency.