Postdoctoral position

in a research project funded by the Polish National Agency for Academic Exchange
(PPN/PPO/2019/1/00042)

Principal Investigator: Aleksander Jankowski

Terms of employment: full time, 1 year contract, starting date negotiable, salary around 7,700 PLN gross (around 6,000 PLN net) per month + 13th salary.

Description of the project:

The project is aimed at developing new computational methods to interpret three-dimensional organization of the genome by analyzing next generation sequencing data.

The 3D organization of the genome plays an essential role in ensuring appropriate readout of genetic information, bringing functional fragments of DNA into spatial proximity to their target genes. This organization is typically studied by quantifying pairwise interactions between genomic loci, e.g. in the form of adjacency matrix inferred from Hi-C experiments. The main research topics of the project are:

1. inference of concurrent interactions between multiple genomic loci;
2. handling of very long sequencing reads;
3. identification of haplotype-specific chromatin interactions;
4. integration with gene expression and transcription factor binding data.

Specific problems range from mathematical modeling to high-throughput data analysis, and are addressed in close collaboration with experimental researchers.

The position is offered within the project “Algorithms for inferring multi-contact interactions from chromosome conformation capture data” funded by the Polish National Agency for Academic Exchange. The project is led by Aleksander Jankowski (www.mimuw.edu.pl/~ajank/), who can be informally contacted for more information.
Requirements:

1. PhD degree in exact or natural sciences (computer science, mathematics, physics, computational biology) achieved no earlier than 7 years before the starting date of the position.

2. Previous research experience in bioinformatics.

3. Strong programming skills, preferably in R or Python.

4. Fluency in written and spoken English.

5. During the employment period the employee should not obtain salary under an employment contract from any other entity.

Applications: In order to apply for the position candidates should send an e-mail to ajank@mimuw.edu.pl and submit the following documents as attached .pdf files:

1. a cover letter addressed to the Dean of the Faculty of Mathematics, Informatics and Mechanics, University of Warsaw together with the personal data clause (attached);

2. a copy of the PhD diploma or, if the candidate does not yet have a PhD, a copy of the thesis or a description of the expected contents of the thesis, together with a statement concerning the expected date of obtaining the degree (a PhD degree is required at the time of signing the employment contract);

3. a scientific CV with a list of publications;

4. a brief research statement regarding past and present research.

Application deadline: January 25, 2022.

Applications which do not satisfy the above requirements or are submitted after the deadline will not be considered for the position.

The applications will be evaluated by a selection committee appointed by the Dean of the Faculty of Mathematics, Informatics and Mechanics, University of Warsaw. The committee will recommend no more than one candidate by February 8, 2022. The competition is the first stage of the recruitment process as described in the Statute of the University of Warsaw, the recommendation by the selection committee being a basis for its subsequent stages.
INFORMATION ON THE PROCESSING OF PERSONAL DATA

INFORMATION CLAUSE

Pursuant to 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, and repealing Directive 95/46/EC (General Data Protection Regulation), University of Warsaw hereby informs:

1. The Controller of your personal data is the University of Warsaw with its registered office at Krakowskie Przedmieście 26/28, 00-927 Warszawa;

2. The Controller 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 221 § 1 of the Act of 26 June 1974 Labor 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 Labor Code is mandatory, and the remaining data are processed according to your consent for processing of personal data;

6. The data will not be shared with any external entities;

7. The data will be stored until you withdraw your consent for processing of personal data;

8. You have the right to access your personal data, to rectify, erase them, restrict their processing, object to processing, and to withdraw the consent at any time;

9. You have the right to lodge a complaint to the President of the Office for the Protection of Personal Data.

CONSENT CLAUSE

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.

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(place and date)  (signature of the person applying for employment)