Post-doc Position in Computational Oncology and Machine Learning within a research project "Machine learning methods for characterizing the tumor and its microenvironment from multidimensional molecular profiling data of tumors."
Principal investigator: Ewa Szczurek

Position: We invite applications for a Post-doc position, within a research collaboration between Merck Healthcare KGaA and the University of Warsaw. The Principal Investigator at Merck Healthcare is Dr. Eike Staub, head of Oncology Bioinformatics.

Terms of employment
Selected candidate will be employed on employment contract. Project duration is negotiable, minimum 1 year, maximum 3 years (to be agreed with the selected candidate). Start of position: negotiable, available immediately. Location: Institute of Informatics, Faculty of Mathematics, Informatics and Mechanics at the University of Warsaw, Poland. Salary: c.a. 10 000 PLN monthly gross amount. Participation in conferences/scientific visits are a planned part of the project.

Work environment: lively, friendly and interdisciplinary research group, with wide international collaboration: https://www.mimuw.edu.pl/~szczurek/people.html, and a supportive PI: https://www.mimuw.edu.pl/~szczurek/

Project outline:
The project is focused on the development of machine learning methods for characterizing the tumor and its microenvironment from multidimensional molecular profiling data of tumors.
Our methods are usually based on probabilistic graphical models and deep learning, with current focus on generative models.
Apart from his/her own research project, the Post-doc is expected to collaborate with the research group at Merck Healthcare KGaA, as well as with students at the lab at the University of Warsaw. The Post-doc will be required to actively aim at publishing the project results.

Requirements: The candidate is expected to
- Hold a PhD degree, or be close to defending a PhD degree in computer science, mathematics, bioinformatics, or physics.
- Publications out of PhD.
- Excellent mathematical and computational background.
- Experience in programming, with code available for review at public sites such as github.
- Interest in applications in healthcare/medicine, in particular oncology.
- Fluency in English.
- Good writing and presentation skills.

We do not require but will highly appreciate a solid background in machine learning.

Application deadline: 20th of May 2022, 00:00 CEST

How to apply:

Please send your applications per email to szczurek@mimuw.edu.pl, including

- CV
- Recommendation contact (we are likely to contact your Referee).
- Short motivation letter, explaining: 1) Why are you interested in this position, 2) What is your relevant research experience.
- Signed data clause (attached below).
- Selected candidates will be invited for an interview.
- During the interview, the selected candidates will be asked to give a 15 min presentation of their recent research project.

The results of the competition will be sent to candidates electronically on 30th of June, 2021 at the latest.

……………..………………..
given and family name

Information on personal data processing

Controller

Controller of your personal data processed in connection with the recruitment process is the University of Warsaw, ul. Krakowskie Przedmieście 26/28, 00-927 Warszawa, as the Employer.

Contact with the controller:

- by traditional mail at: University of Warsaw, ul. Krakowskie Przedmieście 26/28, 00-927 Warszawa (name the organizational unit to which your letter is addressed);
- by phone: 22 55 20 355.

Data Protection Officer (DPO)

Controller has designated Data Protection Officer whom you may contact via email at iod@adm.uw.edu.pl. You may contact the DPO in all matters relating to your personal data processing by the University of Warsaw and the exercise of rights in relation to the processing of personal data.

The DPO, however, does not proceed other matters, like handling recruitment procedures, collecting recruitment documents, providing information on current recruitment process.

Purpose and legal grounds of data processing

Personal data of candidates for employment shall be processed for recruitment purposes only.

Your personal data shall be processed in the scope as indicated by employment law[1] *(given name (names) and family name, date of birth, contact information as provided, education, professional qualifications, previous employment)* for the purposes of this recruitment process[2], whereas other data[3] shall be processed based on your consent which may take the following wording:

> *I agree to the processing of personal data provided in CV and other submitted documents by the University of Warsaw for realising my recruitment process.*

If your documents include data as mentioned in Art. 9 section 1 of the GDPR (special categories of personal data), processing shall be possible upon your consent to processing such data[4] which may take the following wording:

> *I agree to the processing of special categories of personal data, as mentioned in Art. 9 section 1 of the GDPR, provided in CV and other submitted documents) by the University of Warsaw for realising my recruitment process.*

The University of Warsaw shall be also processing your personal data in future recruitment processes upon your consent[5] which may take the following wording:

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[1] Art. 22¹ of the law of June 26, 1974 Labour Code (i.e. Journal of Laws 2019 item 1040 with subsequent changes);

[2] Art. 6 section 1 letter b of the Regulation of the European Parliament and the Council (EU) 2016/679 of April 27, 2016 on protection of individual persons with regard to the personal data processing and on the free flow of such data, and also repealing Directive 95/46/EC (general regulation on data protection) (Official Journal EU L 119 of 04.05.2016, page 1, with subsequent changes) (hereinafter as the GDPR);

[3] Art. 6 section 1 letter a of the GDPR;

[4] Art. 9 section 2 letter a GDPR;

[5] Art. 6 section 1 letter a GDPR;

> *I consent to processing of my personal data for the purposes of any future recruitment processes at the University of Warsaw for the period of the next nine months.*

You may revoke all such consents at any time by, for example, sending an email at …………………………..

Be advised that the revocation of your consent does not affect legal compliance of processing which had been completed upon consent before its revocation.[6]

Data retention period

Your personal data collected in this recruitment process shall be stored over the period of three months from the date the recruitment process is completed.

In case you agree to process your data in future recruitments, your data shall be used over the period of nine months.

Data recipients

Officers authorized by the Controller shall have access to your personal data, the processing of which is in the scope of their duties.

~~Recipients of personal data may be other subjects obligated by the Controller to provide specific services involving data processing, like~~
....
~~(name all recipients of data)~~

Data transfer outside the European Economic Area (EEA)

Your personal data shall be disclosed to subjects authorized by law. Signing-in is through Google Forms. Your personal data may be also processed by our provider of G-Suit for education by Google Company in their data processing centres.[7] Your data shall be protected under the standards of the Privacy Shield, accepted by the European Commission.[8] This shall guarantee an adequate level of data security.

Rights of the data subject

Under the GDPR data subjects have the following rights:

- to access data and to receive copies of the actual data;
- *to* correct (rectify) your personal data;
- to restrict processing of personal data;
- to erase personal data, subject to provisions of Art. 17 section 3 of the GDPR;
- to file a claim with the President of the Personal Data Protection Office, if you believe data processing violates law.

Information on the requirement to provide data

Providing your personal data in the scope resulting from law is necessary to participate in the recruitment process. Providing other personal data is voluntary.

....   …................................
       place and date   applicant's signature

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[6] Art. 7 section 3 GDPR;

[7] https://www.google.com/about/datacenters/inside/locations/index.html

[8] https://www.privacyshield.gov