



UNIVERSITY
OF WARSAW

Faculty of Mathematics, Informatics and Mechanics
Institute of Informatics

PhD positions in Computational Oncology

Institute of Informatics, Faculty of Mathematics, Informatics and Mechanics, University of Warsaw, Poland, in collaboration with Merck, Germany

We invite applications for PhD positions, available at the Institute for Informatics, at the University of Warsaw, Poland, starting August or September 2017.

This PhD program is aimed at students holding a master's or comparable degree in computer science, mathematics, bioinformatics, or physics. Candidates should have solid background in statistics, data analysis, mathematical modeling, excellence and experience in programming, and interest in molecular biology of cancer, and should speak fluent English.

Areas of research include mathematical modeling and data science in application to drug target and biomarker discovery in cancer. The PhD work will be concerned with the development of:

- algorithms for discovery of predictive biomarkers for therapy success from genome-scale molecular profiling data of cancers,
- search strategies for novel drug targets,
- methods for prediction of drug combinations that would act synergistically to kill cancer cells.

The net PhD student salary will be c.a. 1250 EUR. The project is generously funded by Merck, Germany and will be conducted under supervision of Dr. Ewa Szczurek, within research collaboration with Dr. Eike Staub at the Oncology Bioinformatics Department at Merck.

The project offers an excellent opportunity to work on advanced computational methods driven by research questions core to the pharmaceutical industry.

Application deadline is June 30th, 2017. Please check our website <http://www.mimuw.edu.pl/~szczurek/#jobs> for details of the announcement, and apply to Szczurek@mimuw.edu.pl, attaching your CV, recommendation letter and a short motivational letter.

We hope to welcome you in Warsaw!