Two fellowships for master students in NCN OPUS grant
(Deep learning of high-throughput biological data)
Warsaw, Poland

The objective of the project entitled „Prediction of protein and peptide isoelectric point based on sequence and structure features” (2018/29/B/NZ2/01403)” is a development of the next generation of tools and databases for the isoelectric point prediction using the deep learning.

We are seeking a highly motivated and talented students for working in the field of computational proteomics.

Requirements:
- A proactive approach for achieving tasks and objectives of the project, good interpersonal skills, collaborative attitude
- Ability to program in languages such as Python (preferred), R, C++ or other
- Knowledge of Unix (Ubuntu)
- Bachelor’s degree in life science, computer science or related area
- Being at master studies in Polish university (obligatory)
- Very good written and oral communication skills in English
- Knowledge of the biology, the bioinformatics or/and the computational biology

We offer:
- One scholarship positions for 10 months (2,500 PLN per month)
- Presenting the results during the national and international conferences
- Laptop (plus access to the computer cluster)
- Development of a career in an interdisciplinary and international team studying biologically relevant questions

More details: During the project the deep leaning will be conducted on massive amounts of the data from the mass spectrometry experiments and PDB and UniProt databases. The machine learning will be performer using TensorFlow & Keras.


Related resources
IPC (Isoelectric Point Calculator), http://isoelectric.org
Proteome-pI (Proteome Isoelectric Point Database), http://isoelectricpointdb.org

Deadline: February 28th 2020

How to apply: by email

Detailed instructions: Applications should be send to: lukaskoz@mimuw.edu.pl (in the subject include „Master Student OPUS fellowship” and your first and last name). Your application should contain (as PDF files) a CV. Additionally, the marks from Bachelor’s studies are welcome (this does not apply to alumni of Warsaw University, Faculty of Mathematics, Informatics and Mechanics and MiSMaP UW collegium). Moreover, describe please in a motivation letter your key achievements in computer science and the level of expertise in computer programming.

Please include the following statement in your application: “I hereby agree to the processing of my personal data, included in the application documents Warsaw University, Faculty of Mathematics, Informatics and Mechanics, for the purpose of carrying out the current recruitment process.”

All applicants will be assessed by a dedicated commission which will prepare a list of candidates until March 6th. The results of the application process will be announced via email and on institute webpage (www.mimuw.edu.pl).