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)
- Writing master thesis under the supervision of dr Łukasz Kozłowski (the project PI)
- Bachelor's degree in life science, computer science or related area; being within master studies already
- Very good written and oral communication skills in English
- Knowledge of biology, bioinformatics or computational biology

We offer:
- Two scholarship positions for 18 months (1 500 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.

More about the project (*in polish*): https://bit.ly/2QEliFK

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

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Deadline: December 31st 2018   **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, the marks from Bachelor's studies (this does not apply to alumni of Warsaw University, Faculty of Mathematics, Informatics and Mechanics and MiSMaP UW collegium). Additionally, a reference letter from and a contact to your BSc Supervisor are needed. Moreover, in a motivation letter describe of 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 January 15th. The results of the application process will be announced via email and on institute webpage (www.mimuw.edu.pl).
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The advertisement on NCN website (*in polish*): https://bit.ly/2zI2rjs
Polish version of this advertisement: https://bit.ly/2G0OhPU