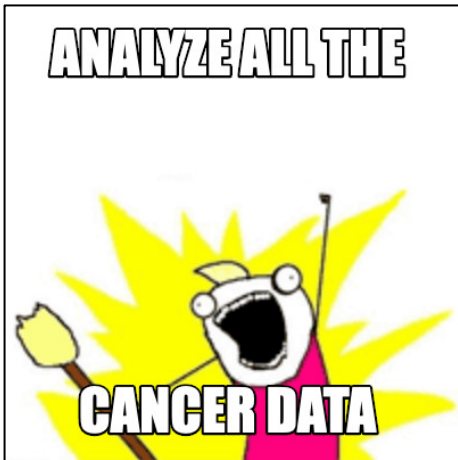


Transcriptome noise as an alternative mutator phenotype in cancer

PhD student position at the Semmelweis University



Are you interested in analyzing terabytes of experimental data? Do you want to work on a project, where you need to combine biology, statistics, programming and answer challenging, interdisciplinary research questions? You think about bioinformatics, cancer and networks all the time? We are looking for a candidate to join our computational biology group to work on a new project. Our main goal will be to investigate gene expression and splicing variance in cancer and the effect of this variance on somatic mutations and gene regulatory networks. Characterizing the determinants of variance might help in understanding early cancer development, drug resistance, metastasis and the varying penetrance of human diseases.

More details about the group: <https://su-compbio.github.io>

What we offer:

- Interdisciplinary research environment, from basic cancer research to digital pathology
- Mentoring according to long-term career goals
- Opportunity to learn cutting edge bioinformatics and genomics

Required skills:

- Good communication skills in English
- Familiarity with Linux, command line tools and scripting (R, Python, Perl or similar)
- Understanding of eukaryotic transcriptional and post-transcriptional regulation

Application:

If interested, please check that you are eligible, and drop us an email with your CV, list of publications, together with a short summary of your most significant scientific contribution and main interests to the following email address: sebestyen.endre@med.semmelweis-univ.hu with "PhD Application - Transcriptional noise" in the subject.

If you are planning to apply for the Stipendium Hungaricum fellowship, please send your application by the 5th of January, 2020. If you are eligible for the state-funded PhD fellowship, please send your application by the 31st of January, 2020.

Additional information

Semmelweis University is the oldest medical university in Hungary, integrating education, research and healing. The 1st Department of Pathology and Experimental Cancer Research, where the group is located, possesses over 150 years of experience in diagnostic pathology, medical training and various fields of experimental cancer research. The PhD School provides a fellowship and a monthly research allowance for up to four years, and you will participate in a 4-year project funded by the National Research, Development and Innovation Office of Hungary. Semmelweis PhD School website: <http://semmelweis.hu/phd>