

Dmitry Tebaykin

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Education

- 2014-2016 (expected)** **MSc, Bioinformatics;** University of British Columbia (Vancouver, Canada)
Thesis title: . Bioinformatics of neuron electrophysiology: exploring systematic sources of study-to-study variability by large-scale literature text-mining.
- 2007-2013** **BSc, Combined Major in Computer Science and Biology;** University of British Columbia (Vancouver, Canada)
+ Computer science Co-op program

Research Experience

- 2014 - 2016** **MSc Student at UBC Michael Smith Laboratories** - Supervisor: Dr. Paul Pavlidis
- Bioinformatics of neuron electrophysiology: exploring systematic sources of study-to-study variability by large-scale literature text-mining.
(https://github.com/neuroelectro/neuroelectro_org).

Teaching Experience

- 2016** **Teaching Assitant for Fundamentals of Genetics course (Biol 234) at UBC** - Instructor: Dr. Craig Berezowsky

Awards and Scholarships

- 2015** BD2K Hackathon travel award, 2nd place

Presentations

23rd Annual International Conference on Intelligent Systems for Molecular Biology and the 14th European Conference on Computational Biology: Tebaykin, D., Tripathy, S.J., Li, B., Abdollahzadeh, D., Anderson, K., Pavlidis, P. Application of large-scale text-mining and curation for extracting neuronal electrophysiology data [v1; not peer reviewed]. F1000Research 2015, 4(ISCB Comm J):426 (poster) (doi: 10.7490/f1000research.1110179.1)

9th Annual Canadian Association for Neuroscience Conference: Tebaykin, D., Tripathy, S.J., Pavlidis, P. (2015) Identifying sources of study-to-study variability in neuronal electrophysiology data.

Organization of Computational Neurosciences Conference 2015: Tripathy, S.J., Tebaykin, D., Li, B., Mancarci, O., Toker, L., and Pavlidis, P. (2015). Large-scale analysis of brain-wide electrophysiological diversity reveals novel characterization of mammalian neuron types. BMC Neurosci 16, O4.

Publications

(Preparing) Tebaykin, D., Pavlidis, P., Tripathy S.J. Exploring the confounding influences of electrophysiological study-to-study variability by large-scale literature text-mining.

(Preparing) Tripathy, S.J., Li, B., **Tebaykin, D.**, Pavlidis, P. Updates to the NeuroElectro.org database and web interface.

(Preparing) Tripathy, S.J., Mancarci, O., Toker, L., **Tebaykin, D.**, Li, B., Pavlidis, P. Transcriptomic correlates of brain-wide electrophysiological diversity.

Software

NeuroElectro: An online database of electrophysiology data extracted from neuroscience articles. Available at (neuroelectro.org). Role: co-developer