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Pavlidis, P. Application of large-scale text-mining and curation for extracting neuronal electrophysiology data [v1; not peer reviewed].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