CURRICULUM VITAE

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PERSONAL DETAILS
Name: Miklos Szoboszlay
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Nationality: Hungarian

EDUCATION
10/2018 – : Postdoctoral Research Scientist, supervised by Prof. Attila Losonczy, Columbia University, New York, USA
05/2018 – 09/2018: Staff associate, supervised by Prof. Attila Losonczy, Columbia University, New York, USA
02/2014 – 03/2018: PhD student, supervised by Prof. Zoltan Nusser, Institute of Experimental Medicine, Hungarian Academy of Sciences, Budapest, Hungary (PhD degree: 09/2018)
02/2012 – 02/2014: MSc in Medical Biotechnology, Pazmany Peter Catholic University (PPCU) Faculty of Information Technology and Bionics (FITB), Budapest, Hungary
09/2008 – 01/2012: BSc in Molecular Bionics, PPCU FITB, Budapest, Hungary

TRAINING
10/2015: Cajal Course, Advenced Techniques in Synapse Biology, Bordeaux, France
8/2012: NEURON Course, IST Austria, Klosterneuburg, Austria

SCIENTIFIC PUBLICATIONS

Rebola N., Reva M., Kirizs T., Szoboszlay M., Lőrincz A., Moneron G., Nusser Z., DiGregorio DA. (2019). Distinct Nanoscale Calcium Channel and Synaptic Vesicle Topographies Contribute to the Diversity of Synaptic Function. Neuron 104, 693–710.

Éltes T., Szoboszlay M., Szigeti M.K., Nusser Z. (2019). Improved spike inference accuracy by estimating the peak amplitude of unitary [Ca^{2+}] transients in weakly GCaMP6f-expressing hippocampal pyramidal cells. J Physiol 597, 2925–2947.

Szoboszlay, M.*, Kirizs, T.*, and Nusser, Z. (2017). Objective quantification of nanoscale protein distributions. Sci. Rep. *7*, 15240.

Oláh, V.J., and Szoboszlay, M. (2017). CA2 Pyramidal Neurons: Biophysically and Anatomically Predisposed Integrators of Cortical Sensory Information. J. Neurosci. Off. J. Soc. Neurosci. *37*, 7564–7566.

Szoboszlay, M.*, Lőrincz, A.*, Lanore, F.*, Vervaeke, K., Silver, R.A., and Nusser, Z. (2016). Functional Properties of Dendritic Gap Junctions in Cerebellar Golgi Cells. Neuron *90*, 1043–1056.

Previewed by

Pereda, A.E. (2016). The Variable Strength of Electrical Synapses. Neuron 90, 912–914.

*equal contribution

PRESENTATIONS, CONFERENCE TALKS

2016: Hungarian Doctoral Conference, Budapest, Hungary

Title: The influence of gap junctions on the estimate of passive electrical properties of cerebellar Golgi cells

2015: Biannual conference of the Hungarian Neuroscience Society, Budapest, Hungary

Title: Passive properties and electrical coupling of cerebellar Golgi cells

2014: Conference for undergraduate students, Semmelweis Medical School, Budapest, Hungary

Title: Determining the subcellular ion channel distributions of hippocampal CA1 pyramidal cells (in Hungarian)

TEACHING

Neurobiology I (Teaching Assistant, Columbia University, 2020 fall semester)