



Barna Dudok

Postdoctoral Research Fellow, Neurosurgery

Bio

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Semmelweis University (2017)
- Master of Science, Eotvos Lorand University (2009)

Publications

PUBLICATIONS

- **Neurophysiology of space travel: energetic solar particles cause cell type-specific plasticity of neurotransmission.** *Brain structure & function*
Lee, S., Dudok, B., Parihar, V. K., Jung, K., Zöldi, M., Kang, Y., Maroso, M., Alexander, A. L., Nelson, G. A., Piomelli, D., Katona, I., Limoli, C. L., Soltesz, et al
2016; -:?
- **Presynaptic Protein Synthesis Is Required for Long-Term Plasticity of GABA Release** *NEURON*
Younts, T. J., Monday, H. R., Dudok, B., Klein, M. E., Jordan, B. A., Katona, I., Castillo, P. E.
2016; 92 (2): 479-492
- **Correlated confocal and super-resolution imaging by VividSTORM** *NATURE PROTOCOLS*
Barna, L., Dudok, B., Miczan, V., Horvath, A., Laszlo, Z. I., Katona, I.
2016; 11 (1): 163-183
- **Multiple Forms of Endocannabinoid and Endovanilloid Signaling Regulate the Tonic Control of GABA Release** *JOURNAL OF NEUROSCIENCE*
Lee, S., Ledri, M., Toth, B., Marchionni, I., Henstridge, C. M., Dudok, B., Kenesei, K., Barna, L., Szabo, S. I., Renkecz, T., Oberoi, M., Watanabe, M., Limoli, et al
2015; 35 (27): 10039-10057
- **Functional and structural deficits at accumbens synapses in a mouse model of Fragile X** *FRONTIERS IN CELLULAR NEUROSCIENCE*
Neuhof, D., Henstridge, C. M., Dudok, B., Sepers, M., Lassalle, O., Katona, I., Manzoni, O. J.
2015; 9
- **Cell-specific STORM super-resolution imaging reveals nanoscale organization of cannabinoid signaling** *NATURE NEUROSCIENCE*
Dudok, B., Barna, L., Ledri, M., Szabo, S. I., Szabadits, E., Pinter, B., Woodhams, S. G., Henstridge, C. M., Balla, G. Y., Nyilas, R., Varga, C., Lee, S., Matolcsi, et al
2015; 18 (1): 75-?
- **Enzymatic machinery for endocannabinoid biosynthesis associated with calcium stores in glutamatergic axon terminals** *JOURNAL OF NEUROSCIENCE*
Nyilas, R., Dudok, B., Urban, G. M., Mackie, K., Watanabe, M., Cravatt, B. F., Freund, T. F., Katona, I.
2008; 28 (5): 1058-1063