

Curriculum Vitae

Personal information Tamas Laszlo Balazsa

Work experience

1. Employer: National Center for Public Health and Pharmacy
 - Start date: 042018
 - End date:
 - Position: Pharmacovigilance Assessor
 - Activities:
 - Country: Hungary
2. Employer: Department of Anatomy, Histology and Embryology, Semmelweis University
 - Start date: 012012
 - End date: 042018
 - Position: Research Associate
 - Activities:
 - Country: Hungary
3. Employer: Neuromorphology and Neuroendocrine Research Laboratory at Semmelweis University
 - Start date: 092005
 - End date: 122011
 - Position: Research Associate
 - Activities:
 - Country: Hungary
4. Employer: Laboratory of Molecular Pharmacology at the Institute of Experimental Medicine of the Hungarian Academy of Sciences
 - Start date: 082004
 - End date: 082005
 - Position: Research Associate
 - Activities:
 - Country: Hungary

Education and training

1. Subject: Eötvös Lóránd University
 - Start date: 091998
 - End date: 072004
 - Qualification: Combined B.A. and Masters degree in biology
 - Organisation: Neurobiology, Pathophysiology and Pharmacology
 - Country: Hungary

Additional information

Publications

- [1] G. Zachar, R. Kemecsei, S. M. Papp, K. Wéber, T. Kisparti, T. Tyler, G. Gáspár, T. Balázs, and A. Csillag, "D-Aspartate consumption selectively promotes intermediate-term spatial memory and the expression of hippocampal NMDA receptor subunits," *SCIENTIFIC REPORTS*, vol. 11, no. 1, 2021.
- [2] M. Durst, K. Konczol, T. Balázs, M. Eyre, and Z. Toth, "Reward-representing D1-type neurons in the medial shell of the accumbens nucleus regulate palatable food intake," *INTERNATIONAL JOURNAL OF OBESITY*, vol. 43, no. 4, pp. 917–927, 2019.
- [3] L. I. Gerecsei, T. Balázs, D. Echevarría, Á. Ádám, G. Zachar, and A. Csillag, "Selective neuronal death following exposure to methylenedioxypyrovalerone is accompanied by an inhibition of NMDA receptor NR2B subunit expression," *ACTA NEUROBIOLOGIAE EXPERIMENTALIS*, vol. 79, no. 1, pp. 92–100, 2019.
- [4] K. Kiraly, M. Kozsurek, E. Lukacsi, B. Barta, A. Alpar, T. Balázs, C. Fekete, J. Szabon, Z. Helyes, K. Bolcskei, V. Tekus, Z. Toth, K. Pap, G. Gerber, and Z. Puskar, "Glial cell type-specific changes in spinal

dipeptidyl peptidase 4 expression and effects of its inhibitors in inflammatory and neuropathic pain,” *SCIENTIFIC REPORTS*, vol. 8, no. 1, 2018.

[5] K. Ocskay, K. Könczöl, T. Balázs, M. Durst, R. Matuska, and Z. Tóth, “Necdin, a nesfatin-1/NUCB2 binding protein in the rat hypothalamus,” in *5th FENS Regional Meeting 2017*, 2017.

[6] E. Balint, T. Balázs, G. Zachar, S. Mezey, and A. Csillag, “Neurotensin: revealing a novel neuromodulator circuit in the nucleus accumbens-parabrachial nucleus projection of the domestic chick,” *BRAIN STRUCTURE & FUNCTION*, vol. 221, no. 1, pp. 605–616, 2016.

[7] M. Balaskó, K. Könczöl, T. Balázs, S. Soós, E. Pétervári, J. Varga, S. Ferenczi, K. Kovács, D. Zelena, and Z. Tóth, “Coordinated thermoregulatory effects of nesfatin in Wistar rats,” in *15th Annual Conference of the Hungarian Neuroscience Society*, 2015.

[8] M. M. Catherine, T. Székely, G. David, T. Balázs, and G. Zachar, “Immunoreactivity Distribution of Vasotocin and Vasoactive Intestinal Peptide in Brain Nuclei of Two Songbird Species with Different Breeding Systems,” *BRAIN BEHAVIOR AND EVOLUTION*, vol. 83, no. 2, pp. 140–149, 2014.

[9] R. S. Papp, T. Balázs, K. Könczöl, G. Lourmet, E. Renner, S. Vas, and M. Palkovits, “Orexin- expressing neurons in the dorsolateral hypothalamus show functional heterogeneity in rats,” *IDEGGYOGYASZATI SZEMLE / CLINICAL NEUROSCIENCE*, vol. 65, no. Suppl. 1, pp. 52–53, 2012.

[10] C. Adori, R. Ando, T. Balázs, C. Soti, S. Vas, M. Palkovits, G. Kovacs, and G. Bagdy, “Low ambient temperature reveals distinct mechanisms for MDMA-induced serotonergic toxicity and astroglial Hsp27 heat shock response in rat brain,” *NEUROCHEMISTRY INTERNATIONAL*, vol. 59, no. 5, pp. 695–705, 2011.

[11] T. Balázs, G. Lourmet, T. Doczi, Á. Dobolyi, and M. Palkovits, “Post-mortem degradation of selected proteins in the human brain,” in *Front Neurosci*, 2010.

[12] T. Balázs, Á. Dobolyi, Z. Kovacs, and M. Palkovits, “Effects of post-mortem delay on protein levels in human brain samples,” in *Frontiers in Systems Neuroscience*, 2009.

[13] T. Balázs, G. Nyitrai, J. Kardos, and M. Palkovits, “Bilateral protection of ischemia-induced alterations in the rat hippocampus by unilateral preconditioning,” *ACTA PHYSIOLOGICA HUNGARICA*, vol. 96, no. 1, pp. 56–57, 2009.

[14] T. Balázs, G. Nyitrai, J. Kardos, and M. Palkovits, “Bilateral protection of ischemia-induced alterations in the hippocampus by unilateral preconditioning,” *IDEGGYOGYASZATI SZEMLE / CLINICAL NEUROSCIENCE*, vol. 61, no. S1, pp. 14–15, 2008.

[15] T. Balázs, J. Biro, N. Gullai, C. Ledent, and B. Sperlagh, “Cb1-cannabinoid receptors are involved in the modulation of non-synaptic [3H] serotonin release from the rat hippocampus,” *NEUROCHEMISTRY INTERNATIONAL*, vol. 52, no. 1–2, pp. 95–102, 2008.

- [16] T. Balazsa, G. Nyitrai, L. Puskas, J. Kardos, and M. Palkovits, "Immunohistochemical studies on the protective effect of preconditioning on ischemia-induced responses in neurons of the hippocampus and other brain areas in rats," *IDEGGYOGYASZATI SZEMLE / CLINICAL NEUROSCIENCE*, vol. 60, no. S1, pp. 8–8, 2007.
- [17] L. Puskas, T. Balazsa, M. Maksimovic, G. Nyitrai, J. Kardos, and M. Palkovits, "Alterations in the number of somatostatin-immunoreactive neurons in the hippocampus, hypothalamus, and amygdala in response to acute experimental brain ischemia and preconditioning in rats," *IDEGGYOGYASZATI SZEMLE / CLINICAL NEUROSCIENCE*, vol. 60, no. S1, pp. 53–53, 2007.
- [18] B. Sperlágh, A. Köfalvi, L. Papp, T. Balázsa, A. Heinrich, and E. S. Vizi, "Regulation of neurotransmitter release by presynaptic P2X receptors," *AUTONOMIC AND AUTACOID PHARMACOLOGY*, vol. 26, no. 1, p. 73, 2006.
- [19] L. Papp, T. Balázsa, A. Köfalvi, F. Erdélyi, G. Szabó, E. Vizi, and B. Sperlágh, "P2X receptor activation elicits transporter-mediated noradrenaline release from rat hippocampal slices," *JOURNAL OF PHARMACOLOGY AND EXPERIMENTAL THERAPEUTICS*, vol. 310, pp. 973–980, 2004.

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