

Publikációk – 2024

1. Al-Omari, A., Gaszner, B., Zelena, D., Gecse, K., Berta, G., Biró-Sütő, T., Szocsics, P., Maglóczky, Z., Gombás, P., Pintér, E., Juhász, G., & Kormos, V. (2024). Neuroanatomical evidence and a mouse calcitonin gene-related peptide model in line with human functional magnetic resonance imaging data support the involvement of peptidergic Edinger-Westphal nucleus in migraine. *Pain*, 165(12), 2774–2793.
2. Baráth, E. M., Wiegand, D., Nemes, V. A., Hegyi, P., Szabó, I., Csutak, A., Wiegand, N., Jandó, G., & Patczai, B. (2024). Mobile assessment of visual function helps to prevent Re-Injury in elderly patients with recent hip fractures. *Injury*, 55 Suppl 3, 111541.
3. Chaves, T., Török, B., Fazekas, C. L., Correia, P., Sipos, E., Várkonyi, D., Tóth, Z. E., Dóra, F., Dobolyi, Á., & Zelena, D. (2024). The Dopaminergic Cells in the Median Raphe Region Regulate Social Behavior in Male Mice. *International journal of molecular sciences*, 25(8), 4315.
4. Chaves, T., Török, B., Fazekas, C., Correia, P., Karailiev, P., Oravcova, H., Sipos, E., Biró, L., Haller, J., Jezova, D., & Zelena, D. (2024). The role of the GABAergic cells of the median raphe region in reinforcement-based learning. *Scientific reports*, 14(1), 1175.
5. Csizék, Z., Budai, A., Nemes, V. Á., Hegyi, P., Szabó, I., Pusztai, Á., Piñero, D. P., Jandó, G., & Mikó-Baráth, E. (2024). Mobileszköz-alapú gyermekkori látásszűrés a tompalátás korai felismerésére [Mobile device-based childhood vision screening for early detection of amblyopia]. *Orvosi hetilap*, 165(16), 620–628.
6. Demeter, F., Peleskei, Z., Kútvölgyi, K., Rusznyák, Á., Fenyvesi, F., Kajtár, R., Sipos, É., Lekli, I., Molnár, P., Szöllősi, A., Lisztes, E., Tóth, B.I., Borbás, A., Herczeg, M.: Synthesis and Biological Profiling of Seven Heparin and Heparan Sulphate Analogue Trisaccharides. *Biomolecules*. 14 (9), 1-24, 2024.
7. Fazekas, C. L., Török, B., Correia, P., Chaves, T., Bellardie, M., Sipos, E., Horváth, H. R., Gaszner, B., Dóra, F., Dobolyi, Á., & Zelena, D. (2024). The Role of Vesicular Glutamate Transporter Type 3 in Social Behavior, with a Focus on the Median Raphe Region. *eNeuro*, 11(6), ENEURO.0332-23.2024.
8. Hencz, A. J., Magony, A., Thomas, C., Kovacs, K., Szilagy, G., Pal, J., & Sik, A. (2024). Short-term hyperoxia-induced functional and morphological changes in rat hippocampus. *Frontiers in cellular neuroscience*, 18, 1376577.
9. Horváth, Á., Steib, A., Nehr-Majoros, A., Kántás, B., Király, Á., Racskó, M., Tóth, B.I., Szánti-Pintér, E., Kudová, E., Skoda-Földes, R., Helyes, Z., Szőke, É.: Anti-Nociceptive Effects of Sphingomyelinase and Methyl-Beta-Cyclodextrin in the Icilin-Induced Mouse Pain Model. *Int. J. Mol. Sci.* 25 (9), 4637, 2024.
10. Kovács, A., Szabó, E., László, K., Kertes, E., Zagorác, O., Mintál, K., Tóth, A., Gálosi, R., Berta, B., Lénárd, L., Hormay, E., László, B., Zelena, D., & Tóth, Z. E. (2024). Brain RFamide Neuropeptides in Stress-Related Psychopathologies. *Cells*, 13(13), 1097.

11. Kunka, Á., Lisztes, E., Bohács, J., Racskó, M., Kelemen, B., Kovalecz, G., D. Tóth, E., Hegedűs, C., Bágyi, K., Marincsák, R., Tóth, B.I.: TRPA1 up-regulation mediates oxidative stress in a pulpitis model in vitro. *Br. J. Pharmacol.* 181 (17), 3246-3262, 2024.
12. M.Jin, R.Shi, D.Gao, B.Wang, N.Li, X.Li, A.Sík, K.Liu, X.Zhang (2024) 3 ErbB2pY -1248 as a predictive biomarker for Parkinson's disease based on research with RPPA technology and in vivo verification, *CNS Neurosci Ther*,
13. Marosvölgyi, T., Mintál, K., Farkas, N., Sipos, Z., Makszin, L., Szabó, É., Tóth, A., Kocsis, B., Kovács, K., Hormay, E., Lénárd, L., Karádi, Z., & Bufa, A. (2024). Antibiotics and probiotics-induced effects on the total fatty acid composition of feces in a rat model. *Scientific reports*, 14(1), 6542.
14. Oláh, A., Szöllösi, A., Tóth, B.I.: TRP channels in dermatology. In: *TRP Channels as Therapeutic Targets : Advances in Basic Science and Clinical Use (Second Edition)*. Ed.: Arpad Szallasi, Academic Press Inc Elsevier Science, London, 365-385, 2024.
15. Peczely, L., & Grace, A. A. (2024). The dose-dependent effect of the D2R agonist quinpirole microinjected into the ventral pallidum on information flow in the limbic system. *Progress in neuro-psychopharmacology & biological psychiatry*, 134, 111059.
16. Péczely, L., Dusa, D., Lénárd, L., Ollmann, T., Kertes, E., Gálosi, R., Berta, B., Szabó, Á., László, K., Zagoracz, O., Karádi, Z., & Kállai, V. (2024). The antipsychotic agent sulpiride microinjected into the ventral pallidum restores positive symptom-like habituation disturbance in MAM-E17 schizophrenia model rats. *Scientific reports*, 14(1), 12305.
17. Tóth, B.I., Bazeli, B., Janssens, A., Lisztes, E., Racskó, M., Kelemen, B., Herczeg, M., Nagy, T., Kövér, K., Mitra, A., Borics, A., Bíró, T., Voets, T.: Direct modulation of TRPM8 ion channels by rapamycin and analog macrolide immunosuppressants. *eLife*. "Accepted by Publisher, published as Reviewed Preprint"2024.
18. Vizvari, Z., Gyorfí, N., Maczko, G., Varga, R., Jakabfi-Csepregi, R., Sari, Z., Furedi, A., Bajtai, E., Vajda, F., Tadic, V., Odry, P., Karadi, Z., & Toth, A. (2024). Reproducibility analysis of bioimpedance-based self-developed live cell assays. *Scientific reports*, 14(1), 16380.
19. Vizvari, Z., Klincsik, M., Odry, P., Tadic, V., Gyorfí, N., Toth, A., & Sari, Z. (2024). Continuous Electrode Models and Application of Exact Schemes in Modeling of Electrical Impedance Measurements. *Electronics*, 13(1), 66.
20. Vörös, D., Kiss, O., Taigiszer, M., László, B. R., Ollmann, T., Péczely, L., Zagoracz, O., Kertes, E., Kállai, V., Berta, B., Kovács, A., Karádi, Z., Lénárd, L., & László, K. (2024). The role of intraamygdaloid oxytocin in spatial learning and avoidance learning. *Peptides*, 175, 171169.
21. Xu, L., Shi, Y., Huang, J., Feng, L., Wang, Y., Sik, A. G., Chen, X., Liu, K., Wang, R., & Jin, M. (2024). Developmental toxicity assay of xanthatin in zebrafish embryos. *Comparative biochemistry and physiology. Toxicology & pharmacology : CBP*, 283, 109957.