

2023 PubMed Articles

- Ranjbar H, Soti M, Kohlmeier KA, Janahmadi M, Shabani M.

Pharmacologic antagonism of CB1 receptors improves electrophysiological alterations in Purkinje cells exposed to 3-AP. *BMC Neurosci.* 2023;24(1):1–11.

- Hassanshahi A, Janahmadi M, Razavinasab M, Ilaghi M, Kohlmeier KA, Hassanshahi E, Shabani M.

Administration of agmatine prior to physical or psychological stress in pregnant mice ameliorates behavioural and cognitive deficits in female offspring. *Int J Dev Neurosci.* 2023; <https://doi.org/10.1002/jdn.10277>

- Haddad M, Khazali H, Janahmadi M, Ghanbarian H.

Inhibition of the retinal orexin receptors affects the hypothalamic-pituitary-gonadal axis through retinal pituitary adenylate cyclase activating polypeptide (PACAP) in male Wistar rats. *Gen Comp Endocrinol.* 2023;337:114242. <https://doi.org/10.1016/j.ygcen.2023.114242>

- Naderi S, Motamedi F, Gholami Pournadieh H, Rafiei Sh, Khodaghali F, Naderi N, Janahmadi M.

Neuroprotective effects of ferrostatin and necrostatin against entorhinal amyloidopathy-induced electrophysiological alterations mediated by voltage-gated Ca²⁺ channels in the dentate gyrus granular cells, 24 March 2023, PREPRINT (Version 1) available at Research Square [<https://doi.org/10.21203/rs.3.rs-2707199/v1>]

- Hassanshahi A, Soti M, Ranjbar H, Razavinasab M, Pirmoradi Z, Kohlmeier KA, Janahmadi M, Shabani M.

Perspectives on agmatine neurotransmission in acute and chronic stress-related conditions. *Mini Rev Med Chem.* 2023; <https://doi.org/10.2174/1389557523666230125104753>

- Naderi S, Khodagholi F, Pourbadie HG, Naderi N, Rafiei S, Janahmadi M, Sayehmiri F, Motamedi F.

Role of amyloid beta (25- 35) neurotoxicity in the ferroptosis and necroptosis as modalities of regulated cell death in Alzheimer's disease. *Neurotoxicology*. 2023;94:71–86. <https://doi.org/10.1016/j.neuro.2022.11.003>

- Shahab A, Zarei, Mina Shahriari-Khalaji, Ian Max Andolina, Behzadi G.

Evaluation of c-Fos protein expression and NADPH-d reactivity in Neurobion pretreated rat model of inflammatory pain, 18 April 2023, PREPRINT (Version 1) available at Research Square [<https://doi.org/10.21203/rs.3.rs-2815413/v1>]

- Hassanshahi A, Janahmadi M, Razavinasab M, Ranjbar H, Hosseinmardi N, Behzadi G, Kohlmeier KA, Ilaghi M, Shabani M.

Preventive putative effect of agmatine on cognitive and molecular outcomes in ventral tegmental area of male offspring following physical and psychological prenatal stress. *Dev Psychobiol*. 2023;65(6):22410. <https://doi.org/10.1002/dev.22410>

- Khani F, Pourmotabbed A, Hosseinmardi N, Alae E, Fathollahi Y, Azizi H.

Acute adolescent morphine exposure improves dark avoidance memory and enhances long-term potentiation of ventral hippocampal CA1 during adulthood in rats. *Addict Biol*. 2023;28(8):e13308. <https://doi.org/10.1111/adb.13308>

- Davoudi S, Rahdar M, Hosseinmardi N, Behzadi G, Janahmadi M.

Chronic inhibition of astrocytic aquaporin-4 induces autistic-like behavior in control rat offspring similar to maternal exposure to valproic acid. *Physiol & Behav*. 2023;114286. <https://doi.org/10.1016/j.physbeh.2023.114286>

- Tavassoli Z, Javan M, Hosseinmardi N, Fathollahi Y.

Electrical impulses evoked activity patterns in ventral tegmental area and locus coeruleus modulate endogenous and learning-dependent disparity of cell proliferation along the mouse dentate gyrus. *IBRO Neurosci Reports*. 2023;14:293–307. <https://doi.org/10.1016/j.ibneur.2023.03.002>

- Khatibi V.A, Salimi M, Rahdar M, Rezaei M, Nazari M, Dehghan S, Davoudi S, Raoufy MR, Mirnajafi-Zadeh J, Javan M, Hosseinmardi N, Behzadi G, Janahmadi M.

Glycolysis inhibition partially resets epilepsy-induced alterations in the dorsal hippocampus-basolateral amygdala circuit involved in anxiety-like behavior. *Sci Rep* 13, 6520 (2023). <https://doi.org/10.1038>

- Khani F, Pourmotabbed A, Veisi M, Hosseinmardi N, Fathollahi Y, Azizi H.

Adolescent morphine exposure impairs dark avoidance memory and synaptic potentiation of ventral hippocampal CA1 during adulthood in rats. *Life Sci.* 2023;314:121344. <https://doi.org/10.1016/j.lfs.2022.121344>

- Khatibi VA, Salimi M, Rahdar M, Rezaei M, Nazari M, Dehghan S, Davoudi S, Raoufy MR, Mirnajafi-Zadeh J, Javan M, Hosseinmardi, N., Behzadi, G., Janahmadi, M.

The electrophysiological signature of dorsal hippocampus-basolateral amygdala circuit in anxiety-like behavior in the intrahippocampal kainic acid mice model of temporal lobe epilepsy: With emphasis on the impact of glycolysis inhibition. 20 January 2023, PREPRINT (Version 1) available at Research Square [<https://doi.org/10.21203/rs.3.rs-2362215/v1>]

- Khatibi VA, Rahdar M, Rezaei M, Davoudi S, Nazari M, Mohammadi M, Raoufy MR, Mirnajafi-Zadeh J, Hosseinmardi, N., Behzadi, G., Janahmadi, M.

The Glycolysis Inhibitor Deoxy-d-Glucose Exerts Different Neuronal Effects at Circuit and Cellular Levels, Partially Reverses Behavioral Alterations and does not Prevent NADPH Diaphorase Activity Reduction in the Intrahippocampal Kainic Acid Model of Temporal Lobe Epilepsy. *Neurochem Res* 48, 210–228 (2023). <https://doi.org/10.1007/s11064-022-03740-8>

- Ghafari, T., Jounghani, A.R. & Esteky, H.

Where and when matter in visual recognition. *Atten Percept Psychophys* 85, 404–417 (2023). <https://doi.org/10.3758/s13414-022-02607-y>

- Mohammadi M, Manaheji H, Maghsoudi N, Danyali S, Baniasadi M, Zaringhalam J.

Microglia dependent BDNF and proBDNF can impair spatial memory performance during persistent inflammatory pain. *Behav Brain Res.* 2020;390:112683. <https://doi.org/10.1016/j.npep.2023.102345>

- Izadi MS, Eskandari F, Zardooz H.

Long-term consumption of high-fat fructose diet increased the pancreatic-derived factor level and impaired glucose and lipid metabolisms in male rats. *Physiology and Pharmacology* 2023; 27: 132-140. <http://dx.doi.org/10.52547/phypha.27.2.3>

- Binayi F, Fahanik-Babaei J, Salimi M, Eskandari F, Sahraei M, Ghorbani Ranjbary A, Ghasemi R, Hedayati M, Khodaghohi F, Eliassi F, Zardooz H.

Endoplasmic reticulum stress inhibition ameliorated WFS1 expression alterations and reduced pancreatic islets' insulin secretion induced by high-fat diet in rats. *Sci Rep* 13, 1860 (2023). <https://doi.org/10.1038/s41598-023-28329-1>

- Eskandari F, Salimi M, Binayi F, Abdollahifar M-A, Eftekhary M, Hedayati M, Ghanbarian H, Zardooz H.

Investigating the Effects of Maternal Separation on Hypothalamic-Pituitary-Adrenal Axis and Glucose Homeostasis under Chronic Social Defeat Stress in Young Adult Male Rat Offspring. *Neuroendocrinology.* 2023;113(3):361–80. <https://doi.org/10.1159/000526989>

- Binayi F, Moslemi M, Khodaghohi F, Hedayati M, Zardooz H.

Long-term high-fat diet disrupts lipid metabolism and causes inflammation in adult male rats: possible intervention of endoplasmic reticulum stress. *Arch Physiol Biochem.* 2023;129(1):204–12.

- Karbaschi R, Zardooz H.

Pancreatic GLUT2 protein expression and isolated islets insulin secretion decreased in high-fat fed rat dams. *J Diabetes & Metab Disord* 2023; 22:1511–1518.

- Baratzadeh M, Danialy S, Abtin S, Manaheji H. Naloxone could limit morphine hypersensitivity: Considering the molecular mechanisms. *Neuropeptides*. 2023;100:102345. <https://doi.org/10.1016/j.npep.2023.102345>

- Askari K, Oryan S, Eidi A, Zaringhalam J, Haghparast A.

Blockade of the orexin receptors in the ventral tegmental area could attenuate the stress-induced analgesia: A behavioral and molecular study. *Prog Neuro-Psychopharmacology Biol Psychiatry*. 2023;120:110639. <https://doi.org/10.1016/j.pnpbp.2022.110639>

- Firouzan B, Iravanpour F, Abbaszadeh F, Akparov V, Zaringhalam J, Ghasemi R, Maghsoudi N.

Dipeptide mimetic of BDNF ameliorates motor dysfunction and striatal apoptosis in 6-OHDA-induced Parkinson's rat model: Considering Akt and MAPKs signaling. *Behav Brain Res*. 2023;114585. <https://doi.org/10.1016/j.bbr.2023.114585>

- Mohebichamkhorami F, Faizi M, Mahmoudifard M, Hajikarim-Hamedani A, Mohseni SS, Heidari A, Ghane Y, Khoramjouy M, Khayati M, Ghasemi R, others.

Microfluidic Synthesis of Ultrasmall Chitosan/Graphene Quantum Dots Particles for Intranasal Delivery in Alzheimer's Disease Treatment. *Small*. 2023;2207626. <https://doi.org/10.1002/sml.202207626>

- Pourhadi, M., Zali, H., Ghasemi, R., Faizi, M., Mojab, F., Soufi Zomorrod, M., 2023.

Restoring Synaptic Function: How Intranasal Delivery of 3D-Cultured hUSSC Exosomes Improve Learning and Memory Deficits in Alzheimer's Disease. *Mol. Neurobiol*. 2023; 1–18.

- Hooshmandi, E., Akbari, S., Pandamooz, S., Ghobadi, M., Ghasemi, R., Maghsoudi, N., Rai, S.N., Borhani-Haghighi, A., Salehi, M.S., Azarpira, N., others,.

Combined use of hair follicle stem cells and CEPO (carbamyated erythropoietin)-Fc in a rat model of chronic cerebral hypoperfusion: A behavioral, electrophysiological, and molecular study. *Behav. Brain Res*. 2023; 454, 114655.

□ Abtin S, Ghasemi R, Manaheji H.

Progesterone modulates the expression of spinal ephrin-B2 after peripheral nerve injury: New insights into progesterone mechanisms. *Steroids*. 2023;190:109155. <https://doi.org/10.1016/j.steroids.2022.109155>