

Projects of the last 4 years

Title	Date	Researcher
The effect of Cannabidiol (CBD) on fear extinction in animal model of PTSD	2023	Dr. Mirshahram Safari
Studying structural connectivity and neuroinflammation in autistic children with and without regression using diffusion tensor imaging (DTI)	2023	Dr. Sareh Asadi
Investigating the potential protective effects of cinnamaldehyde on semi-parkinsonism toxicity of 6-OHDA in adult male rats: a behavioral and molecular study	2023	Dr. Rasool Ghasemi
Identifying the molecular links between Alzheimer's disease and metabolic syndrome based on bioinformatic analyses	2023	Dr. Ahmadiani
Investigating the potential effects of deep brain stimulation of medial prefrontal cortex on the neural activity of hippocampus following the extinction and reinstatement of morphine-seeking behavior in the rat	2023	Dr Haghparast
Investigating the potential effects of deep brain stimulation of medial prefrontal cortex on the neural activity of basolateral amygdala following the extinction and reinstatement of morphine-seeking behavior in the rat	2023	Dr Haghparast
Investigation of the effect of Regorafenib on learning and memory in a rat model of streptozotocin-induced Alzheimer's disease	2023	Dr Dargahi
Effects of oral astaxanthin on reducing intestinal dysfunction following spinal cord injury in rats	2023	Dr Jorjani
Investigating the effects of Astaxanthin on the recovery of patients with complete spinal cord injury: A clinical trial study	2023	Dr Jorjani

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Differential diagnosis of the role of Heschl's gyrus in creating auditory hallucinations between schizophrenia patients and methamphetamine abusers	2023	Dr Jamal Shams
Investigating the effects of melatonin on memory dysfunction and hippocampal and prefrontal oscillatory activity in aged rats	2023	Dr Dargahi
Automatic segmentation and analysis of western blot produced protein bands using image processing	2023	Dr Jorjani
Evaluation of the effect of stress during prepregnancy, pregnancy and lactation periods on lipid profiles and inflammation of the hippocampus and the role of possible changes of these factors in anxiety, depression and spatial memory in male rat offspring	2023	Dr Zardoos
Study the effect of long term consumption of a high-fat diet and 4-phenyl butyric acid on the hepatic oxidative stress biomarkers and content of insulin degrading enzyme in adult male rat	2023	Dr Zardoos
Role of hippocampal dopaminergic and orexinergic receptors in the analgesic responses induced by stress in animal models of pain in the rat	2023	Dr Haghparast
Identifying CeRNA regulatory networks in different stages of Alzheimer's disease to investigate AD pathogenesis, identify key biomarkers, and therapeutic targets using bioinformatics analysis	2023	Dr Ahmadiani
Identifying the potential regulatory axis, prognostic biomarkers, and therapeutic targets for glioblastoma multiforme through Competitive endogenous RNA (CeRNA) regulatory network analysis obtained from big data of TCGA database	2023	Dr Ahmadiani
Investigating the role of Dopaminergic system in medial prefrontal(mPFC) control of visual attention with in vivo whole-cell patch-clamp study		Dr MirShahram Safari
Role of the dopaminergic receptors within the ventral tegmental area in the stress-induced antinociceptive responses in the acute pain model in the rats	2022	Dr Haghparast

Title	Date	Researcher
Possible role of dopamine receptors in the hippocampus in the effects of cannabidiol on the METH-induced conditioned place preference in the rat	2022	Dr Haghparast
Role of dopaminergic receptors within the dentate gyrus area of the hippocampus in the forced swim stress-induced antinociceptive responses in the acute pain model in the rats	2022	Dr Haghparast
Development, implementation, and evaluation of the “protocols on basic neuroscience” e-learning modular course in Shahid Beheshti University of Medical Sciences	2023	Dr Jorjani
The effects of <i>Saccharomyces boulardii</i> on short chain fatty acids in neuroinflammatory model of LPS in rats	2022	Dr Nasiri Asl
Effect of Donepezil on freezing of gait in Parkinson's disease: an fMRI study	2022	Dr Mehri Salari
Evaluation of the mechanism of cannabidiol anti-seizure effect in the temporal lobe epilepsy model based on the pathways involved in the creating of innate immunity and changes in the field potential of neurons in the rat hippocampus	2022	Dr Nima Naderi
The role of Toll-like receptor type 4 (TLR4) in anti-seizure activity of cannabidiol In the rate of change in the behavioral symptoms of seizures and In the expression of TRIF and NF-Kappa B proteins in hippocampus in rat temporal lobe epilepsy model	2022	Dr Nima Naderi
Role of D1- and D2-like dopamine receptors within the CA1 region of hippocampus in the restraint stress-induced analgesia in formalin test as an animal model of persistent inflammatory pain	2022	Dr Haghparast
Role of orexinergic system in the ventral tegmental area in the methamphetamine seeking behaviors in conditioned place preference paradigm in the rats	2022	Dr Haghparast

Title	Date	Researcher
Understanding the genetics causes of Parkinson's Disease (PD) in Iranian PD patients	2022	Dr Sareh Asadi
The effect of N-acetylcysteine on rewarding properties of morphine in the conditioned place preference paradigm in rat	2022	Dr Haghparast
Role of orexinergic receptors within the CA1 hippocampal area in analgesic responses induced by restraint stress in animal model of persistent inflammatory pain	2022	Dr Haghparast
Investigating the effect of gamma entrainment on memory performance in a streptozotocin-induced Alzheimer's disease model in rats	2022	Dr Leila Dargahi
Role of D1-like and D2-like dopamine receptors in the nucleus accumbens in stress-induced antinociceptive responses in the acute pain model in the rats	2022	Dr Haghparast
Role of orexin-1 and orexin-2 receptors within the hippocampal dentate gyrus area in antinociceptive responses induced by two models of stress in animal model of persistent inflammatory pain in the rat	2022	Dr Haghparast
Role of dopaminergic receptors in the dentate gyrus of the hippocampus in inhibitory effects of cannabidiol on different stages of the METH-induced conditioned place preference in the rat	2022	Dr Haghparast
Evaluating the effect of intranasal insulin administration on long-noncoding RNAs expression in animal model of Parkinson's disease	2022	Dr Valian
Evaluating the effects of insulin and GSK3 β inhibitor on methamphetamine- induced toxicity in primary dopaminergic neurons and SH-SY5Y cells	2022	Dr Ahmadiani
Finding the causative genes and mutations for some congenital disorders found in Iranian population.	2022	Dr MAghsoudi

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Investigating the Effect of Sensory Stimulation on Gamma Oscillation, Neuropathological Hallmarks, Neurogenesis, and Cognitive Functions in an Animal Model of Alzheimer's Disease	2022	Dr Dargahi
Evaluating the effect of mirtazapine on anxiety in Parkinson's disease patients; a randomized double-blinded placebo-controlled clinical trial	2021	Dr Dargahi
Investigating the potential therapeutic effects of deep brain stimulation of the orbitofrontal cortex on the neural activity of nucleus accumbens and hippocampus during the extinction and reinstatement of methamphetamine seeking behavior in rat	2021	Dr Haghparast
Effects of astaxanthin on modulation of neuronal autophagy in a rat model of compression spinal cord injury	2022	Dr Jorjani
Electronic educational resource of current protocols on basic neuroscience in neuroscience research center of Shahid Beheshti University of Medical Sciences	2021	Dr Jorjani
Considering the effect of 40 Hz and a flux of 12.5 watts per square centimeter flickering light in STZ-Alzheimer rat model in rat wistar: behaiveoral, mitochondrial biochemistry and electrophysiological studies	2022	Dr Khodagholi
Evaluation of the insulin signaling pathway in cinnamaldehyde-induced neuroprotection in an animal model of central STZ - induced memory impairment	2021	Dr Ghasemi
Investigating the alterations of cortical and hippocampal oscillations in Alzheimer's disease model induced by amyloid precursor protein overexpression	2021	Dr Dargahi
Investigating the Neuro-Cognitive effects of Philosophy Educational Approach for children on Executive-Behavioral Function along with antioxidant and neuroplasticity biomarkers in 6-12 years old children from different socioeconomic backgrounds	2022	Dr Khodagholi
Role of orexin-1 and orexin-2 receptors within the ventral tegmental area in acquisition and expression of methamphetamine-induced conditioned place preference in the rats	2021	Dr Haghparast

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Investigating the changes in STIM1 and STIM2 proteins expression in nucleus accumbens and hippocampus following the reinstatement of morphine-seeking behavior in the rats: The role of mGlu5 receptor in the nucleus accumbens	2021	Dr Haghparast
Investigating the functional correlations in neural activities between the nucleus accumbens and hippocampus following the reinstatement of morphine-seeking behavior in the rats: The role of mGlu5 receptor in the nucleus accumbens	2021	Dr Haghparast
The effect of intranasal administration of oxytocin on neurogenesis factors in the hippocampus in the Alzheimer's like model in male and female rats	2021	Dr Ahmadiani
The effect of intranasal administration of oxytocin on synaptic plasticity in the Alzheimer's like model in male and female rats	2021	Dr Ahmadiani
assessment of intranasal CEPO-FC effects on memory, attention and depression in Rat AD models	2021	Dr Maghsoudi
Investigating the Effect of Sensory Stimulation on Gamma Oscillation, Neuropathological Hallmarks, Neurogenesis, and Cognitive Functions in an Animal Model of Alzheimer's Disease	2022	Dr Dargahi
Evaluating the effect of Ficus carica Linn. fruit extract on learning and memory impairments in animal model of Alzheimer's disease	2021	Dr Ahmadiani
THE ROLE OF SHORT TANDEM REPEATS IN ALZHEIMER'S DISEASE ("STaR-AD")	2021	Dr Ahmadiani
Role of neurothrophin receptor P75 ntr in ischemic stroke injury	2021	Dr Nasoohi
Study of the effect of MAPK members in the toxic effects of ER stress induced by Tapsigargin in cultured PC12 cells	2021	Dr Ghasemi

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The promoting effect of vagus nerve stimulation on Lempel-Ziv complexity index of consciousness	2021	Dr Safari
Evaluation of the effect of optogenetically stimulated epidermal neural crest stem cell transplantation in an animal model of paclitaxel-induced peripheral neuropathy	2021	Dr Dargahi
Evaluation of the therapeutic effect of intranasal administration of interferon-beta in an animal model of Parkinson's disease	2021	Dr Dargahi
Evaluation of the expression of genes involved in the pathogenesis of Alzheimer's disease and the possible occurrence of insulin resistance in the brain of offspring of female rats fed a high-fat diet	2021	Dr Dargahi
Investigating the correlation of metabolic function in the brain with decision-making, empathy, learning memory, depression, and attention in male rats via glutamate-dependent enzymes: a behavioral-molecular study.	2021	Dr Khodagholi
Investigating the potential therapeutic effects of deep brain stimulation of the orbitofrontal cortex on the methamphetamine-induced conditioned place preference in the rat: a behavioral and electrophysiological study	2021	Dr Haghparast
Role of orexin-1 and orexin-2 receptors within the nucleus accumbens in duration of the extinction period and reinstatement to methamphetamine in the conditioned place preference paradigm in the rats	2021	Dr Haghparast
Role of orexinergic receptors within the CA1 hippocampal area in stress-induced antinociceptive responses in the acute pain model in the rat	2021	Dr Haghparast
Role of orexin-1 and orexin-2 receptors in the CA1 region of the hippocampus in the antinociceptive responses induced by chemical stimulation of the lateral hypothalamus in Tail-Flick test as an animal model of acute pain	2021	Dr Haghparast
Role of dopaminergic receptors in the dentate gyrus of the hippocampus in the antinociceptive responses induced by chemical stimulation of the lateral hypothalamus in animal model of persistent inflammatory pain	2021	Dr Haghparast

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Evaluation of the effect of Fingolimod on tumor growth in a C6 rat model of glioblastoma	2021	Mohammad Hossein Pourgholami
Studying the effects of 40 Hz flickering light with 12.5 W/Cm2 power density in STZ-induced Alzheimer's model in male rat: Behavioral, Biochemical and electrophysiological study	2021	Dr Eliassi
Verapamil as an adjunctive therapy in Hyperglycemic Stroke	2020	Dr Nasoohi
Assessment of neuroprotective effects of intranasal CEPO-FC, an erythropoietin derivative, on behavioral impairments in Rat Model of Alzheimer's Disease : A behavioral and molecular study	2020	Dr Maghsoudi
Evaluating the effect of rose damascena on memory deficient via targeted solid lipid nanoparticle	2020	Dr Khodagholi
Evaluation of the protective effects of GSB-214 against Parkinson's-like behavior induced by 6-hydroxydopamine in rats	2020	Dr Maghsoudi
Investigation of molecular mechanisms of GSB-214 neuroprotective effects against 6-OHDA neurotoxicity in an in vivo study	2020	Dr Maghsoudi
Investigating possible effects of high and low frequency deep brain stimulation of the nucleus accumbens on neural activity of medial prefrontal cortex using methamphetamine-induced conditioned place preference in the rat	2020	Dr Haghparast
Investigating possible effects of high and low frequency deep brain stimulation of the nucleus accumbens on neural activity of hippocampus using methamphetamine-induced conditioned place preference in the rat	2020	Dr Haghparast
The effects of 40 Hz flashing white light on anxiety behavior, depression and social interaction in STZ-Induced Alzheimer's Model Animal	2020	Dr Ahmadiani

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The Effects Of 40 Hz Flash Light On biogenesis and function of mitochondria and proxosome In STZ-Induced Alzheimer's Model Animal	2020	Dr Ahmadiani
Assesment of neuroprotective effects of histone deacetylase HDAC10 inhibition on A β 25-35 induced cognitive disorders, anxiety and depression in male rats: A behavioral study	2020	Dr Maghsoudi
The possible neuroprotective effects of histone deacetylase (HDAC10) inhibition on A β 25-35 induced anxiety,depression and cognitive disorders in a rat model of Alzheimer's Disease: A molecular study	2020	Dr Maghsoudi
Role of orexin-2 receptor in the CA1 region of the hippocampus in the antinociceptive responses induced by chemical stimulation of the lateral hypothalamus in formalin test as an animal model of persistent inflammatory pain	2020	Dr Haghparast
The effect of interferon beta on novel object recognition memory in beta amyloid induced neuroinflammation	2020	Dr Dargahi
Monitoring of cytochrome concentration and lipid metabolism in different parts of male rats brain in neurotoxic model of Huntington disease induced by 3-NP injection and oxytocin protecting effect	2020	Dr Khodagholi
Evaluation of the protective effect of epidermal neural crest stem cell transplantation and carbamylated erythropoietin-Fc on preventing learning and memory impairment and synaptic plasticity in a rat model of vascular dementia by bilateral common carotid artery occlusion	2020	Dr Maghsoudi
Evaluation of insulin effect on the expression of microRNA-132 in an animal model of Alzheimer's disease	2020	Dr Ahmadiani
Role of Orexin receptors in the Dentate Gyrus (DG) of the hippocampus in the antinociception induced by chemical stimulation of the lateral hypothalamus in animal model of persistent inflammatory pain	2020	Dr Haghparast
Effect of stress on development of morphine sensitization: involvement of D1/D2 dopamine receptors in the nucleus accumbens	2020	Dr Haghparast

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Role of D1 and D2 dopamine receptors within the nucleus accumbens in antinociception induced by restraint stress in formalin test as an animal model of persistent inflammatory pain	2020	Dr Haghparast
Enhancement of Long-Term Recognition Memory by Optogenetic LTP Induction in Glutamatergic Neurons of Prefrontal Cortex	2020	Dr Safari
The effect of optogenetic inhibition of dorsal cochlear nucleus in an animal model of tinnitus	2020	Dr Dargahi
Designing and fabrication of a battery-free laser-implantable system in moving animal scalp for optogenetic application	2020	Dr Dargahi
Comparing the neural activity of hippocampus in natural- and morphine-induced reward of rats	2020	Dr Haghparast
Neural network modeling of nucleus Accumbens in natural- and morphine-induced reward in rats	2020	Dr Haghparast
Comparison of neural activity of nucleus accumbens of the male rat in spontaneous and naloxone precipitated models of morphine withdrawal syndrome	2020	Dr Haghparast
Monitoring of epigenetics factors in different regions of male rats brain in neurotoxic model of Huntington disease	2020	Dr Khodagholi
Short and long-term effects of dimethyl fumarate on depression, anxiety-like and social behaviors in rats exposed to social defeat stress	2020	Dr Khodagholi
Evaluation of disease modeling and therapeutic effect of interferon beta in a rat model of Alzheimer's disease by 18F-FDG PET imaging	2020	Dr Dargahi

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Short and long -term effects of dimethyl fumarate on depression, anxiety-like and social behaviors in rats exposed to social defeat stress	2020	Dr Dargahi
Evaluating the effect of intranasal insulin administration on motor and non-motor symptoms in Parkinson's disease patients; a randomized double-blinded placebo-controlled clinical trial	2020	Dr Dargahi