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[Neuroscience- Motor function](#)

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دکتری تخصصی فیزیولوژی پزشکی (PhD)

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EDUCATIONAL BACKGROUND

2010-2012, M.Sc. in Medical Physiology, Rafsanjan University of Medical Sciences, Kerman, Iran

2016-2020, PhD of Medical Physiology, Kerman University of Medical Sciences, Kerman, Iran

TECHNICAL SKILLS

Whole cell patch clamp recording

Pain evaluating test (Hot plate, formalin, tail flick)

Behavioral Tests:

Open field

Morris water maze

Passive Avoidance Task Striotaxic

Communication stress

Novel Object Recognition

Rotarod

Wire grip

Footprint

COMPUTER SKILLS:

SPSS software

Graph Pad Prism

Reference Managing (EndNote, Mendeley)

Word, powerpoint

TEACHING EXPERIENCE

Teaching Medical Physiology for Students of Medicine

Membership of Scientific Societies

1. Iranian Society of Physiology and Pharmacology
2. Iranian Neuroscience society

MSc Thesis: Evaluation the effect of AMG₉₈₁₀ as an antagonist TRPV1 receptor on ICV injection of 6-OHDA - induced Parkinsonism in male rats, **Supervisor:** Prof. Ali Shamsizadeh

PhD Thesis: Investigation on passive and active memberane properties changes of the laterodorsal tegmentum (LDT) and Ventral tegmentum area (VTA) neurons and behavioral- cognitive implications associated with physical or psychological prenatal stress in male mice, **Supervisor:** Prof. Vahid Sheibani and Mohammad Shabani

National and International Papers

1. Perspectives on agmatine neurotransmission in acute and chronic stress-related conditions. Amin Hassanshahi, Monavareh Soti, Hoda Ranjbar, Moazamehosadat Razavinasab, ZeynabPirmoradi, Kristi A Kohlmeier, Mahyar Janahmadi, Mohammad Shabani. Mini Rev Med Chem. 2023.
2. Probable role of the hyperpolarization-activated current in the dual effects of CB1R antagonism on behaviors in a Parkinsonism mouse model .M Soti, H Ranjbar, KA Kohlmeier, M Razavinasab, Y Masoumi-Ardakani, ...Brain Research Bulletin, 2022 191, 78-92.

3. The neglected role of endocannabinoid actions at TRPC channels in ataxia H Ranjbar, M Soti, M Razavinasab, KA Kohlmeier, M Shabani *Neuroscience & Biobehavioral Reviews*, 2022, 104860.
4. Peroxisome proliferator-activated receptor- γ doesn't modify altered electrophysiological properties of the CA1 pyramidal neurons in a rat model of hepatic cirrhosis M Tahamtan, I Aghaei, M Shabani, A Nazari, V Pooladvand, ...*Metabolic Brain Disease*, 2022, 1-11
5. Early environmental enrichment prevents cognitive impairments and developing addictive behaviours in a mouse model of prenatal psychological and physical stress M Razavinasab, S Parsania, M Nikootalab, M Khaleghi, K Saleki, ... *International Journal of Developmental Neuroscience* 82 (1), 2022, 72-84.
6. Chronic Exposure to Morphine Leads to a Reduced Affective Pain Response in the Presence of Hyperalgesia in an Animal Model of Empathy.M Nazeri-Rezaabad, Z Jamalpoor, MS Alemrajabi, M Nozari, ..*Addiction & Health* 12 (4), 2022, 251.
7. Exposure to Electromagnetic Field during Gestation Adversely Affects the Electrophysiological Properties of Purkinje Cells in Rat Offspring. M Haghani, V Pouladvand, SMJ Mortazavi, M Razavinasab, M Bayat, M Shabani. *Biomed Phys Eng.* 2020 Aug 1;10(4):433-440. doi: 10.31661/jbpe.v0i0.560. eCollection 2020 Aug.PMID: 32802791.
8. Hyperexcitability of VTA dopaminergic neurons in male offspring exposed to physical or psychological prenatal stress. Razavinasab M, Sheibani V, Kohlmeier KA, Nazeri M, Shabani M.*Prog Neuropsychopharmacol Biol Psychiatry.* 2020 Jul 13;101:109923. doi: 10.1016/j.pnpbp.2020.109923. Epub 2020 Mar 12. PMID: 32173457
9. Migraine patients have a higher prevalence of PTSD symptoms in comparison to chronic tension-type headache and healthy subjects: a case-control study. Zarei MR, Shabani M, Chamani G, Abareghi F, Razavinasab M, Nazeri M.*Acta Odontol Scand.* 2016 Nov;74(8):633-635. doi: 10.1080/00016357.2016.1232435. Epub 2016 Sep 20.PMID: 27644346
10. Simultaneous impairment of passive avoidance learning and nociception in rats following chronic swim stress. Nazeri M, Shabani M, Parsania S, Golchin L, Razavinasab M, Abareghi F, Kermani M.*Adv Biomed Res.* 2016 May 30;5:93. doi: 10.4103/2277-9175.183141. eCollection 2016.PMID: 27308265
11. Pistachio supplementation attenuates motor and cognition impairments induced by cisplatin or vincristine in rats. Golchin L, Shabani M, Harandi S, Razavinasab M.*Adv Biomed Res.* 2015 May 11;4:92. doi: 10.4103/2277-9175.156656. eCollection 2015.PMID: 26015918

12. Gender difference in motor impairments induced by chronic administration of vinblastine. Parsania S, Shabani M, Moazzami K, Razavinasab M, Larizadeh MH, Nazeri M, Asadi-Shekaari M, Kermani M. *Iran J Basic Med Sci.* 2014 Jun;17(6):433-40. PMID: 25140205
 13. Role of nitric oxide in altered nociception and memory following chronic stress. Nazeri M, Razavinasab M, Abareghi F, Shabani M. *Physiol Behav.* 2014 Apr 22;129:214-20. doi: 10.1016/j.physbeh.2014.02.054. Epub 2014 Mar 11. PMID: 24631305
 14. Maternal mobile phone exposure alters intrinsic electrophysiological properties of CA1 pyramidal neurons in rat offspring. Razavinasab M, Moazzami K, Shabani M. *Toxicol Ind Health.* 2016 Jun;32(6):968-79. doi: 10.1177/0748233714525497. Epub 2014 Mar 6. PMID: 24604340
 15. Pharmacological blockade of TRPV1 receptors modulates the effects of 6-OHDA on motor and cognitive functions in a rat model of Parkinson's disease. Razavinasab M, Shamsizadeh A, Shabani M, Nazeri M, Allahtavakoli M, Asadi-Shekaari M, Esmaeli-Mahani S, Sheibani V. *Fundam Clin Pharmacol.* 2013 Dec;27(6):632-40. doi: 10.1111/fcp.12015. Epub 2012 Dec 5. PMID: 23216087
 16. Walnut consumption protects rats against cisplatin-induced neurotoxicity. Shabani M, Nazeri M, Parsania S, Razavinasab M, Zangiabadi N, Esmaeilpour K, Abareghi F. *Neurotoxicology.* 2012 Oct;33(5):1314-21. doi: 10.1016/j.neuro.2012.08.004. Epub 2012 Aug 21. PMID: 22935099.
 17. Nitric oxide system modulates hyperalgesia and memory impairments following psychophysical stress. Shabani M, Yaghmaei P, Mohatashamipour H, Razavinasab M, Nazeri M. *Physiology & Pharmacology*. Summer 2014, Vol. 18 Issue 2, p236-248. 13p.
 18. Effect of Acute administration of Cisplatin on memory, motor learning, balance and explorative behaviours in Rats. A Shojaei, M Shabani, A Pilevarian... - *Physiology and ...*, 2012 - pdfs.semanticscholar.org.
 19. Chronic Exposure to Morphine Leads to a Reduced Affective Pain Response in the Presence of Hyperalgesia in an Animal Model of Empathy. Nazeri M, Jamalpoor Z, Alemrajabi MS, Nozari M, Razavinasab M, Nezhadi A. *Addiction and ...*, 2020 - ahj.kmu.ac.ir.
- 20.** اثرات مخرب مصرف WIN 55212-2، آگونیست گیرنده کانابینوئید، در دوران حاملگی بر عملکرد سیستم اعصاب مرکزی نوزادان موش‌های صحرایی. محمد شعبانی؛ مهیار جان احمدی؛ معظمه السادات رضوی نسب. اعتیاد پژوهی

