

CURRICULUM VITAE (CV)

Ali Shamsizadeh



ADDRESS:

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Personal information

Last Name	Shamsizadeh
First Name	Ali
Date of birth	30/6/1974
Citizenship	IRANIAN
Place of birth	RAFSANJAN (KERMAN PROVINCE)- IRAN
Sex	MALE
Martial status	MARRIED
Child	2

Academic profile

Academic Position	Faculty Member
Academic Degree	Professor
University	Rafsanjan University of Medical Sciences
Research Center	Physiology-Pharmacology Research Center, Rafsanjan University of Medical Sciences
ORCID	http://orcid.org/0000-0001-8329-9156
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Scopus Profile	https://www.scopus.com/authid/detail.uri?authorId=26432361100
Google Scholar Profile	https://scholar.google.com/citations?user=EwPSc44AAAAJ&hl=en
PubMed Articles	65
ISI Articles	67

Education (Academic Training)	
1996 - 2000	B.S. Nursing, School of Medicine, University of Medical Sciences, Rafsanjan, IRAN
2001 – 2004	M.S. Human Physiology, Department Of Physiology, College Of Medicine, Kerman Medical Sciences University, Kerman, IRAN
2004- 2010	PhD, Human Physiology, Department Of Physiology, College Of Medicine, Tarbiat Modares University, Tehran, IRAN

Work experiences & Skills

2004 - Present

Single unit recording, Immunohistochemistry on brain tissues, Cytochrome Oxidase Staining, Brain Cannulation

2010 - present

University lecturer, department of physiology, Rafsanjan university of medical science, Rafsanjan , IRAN

Research items:

I'd like to study the mechanisms of sensory information (somatosensory) processing in cortex.

Especially I'm interested to:

- 1) Studying the role of different afferent inputs in somatosensory response processing.
- 2) Effects of activity dependent plasticity on somatosensory response processing.
- 3) Effects of brain modulatory systems on characteristics of response processing in somatosensory cortex.

Professional Membership

Iranian society of Physiology and pharmacology

Selected Publications (1-85)

Date: **august 13, 2021**

Signature: *Shamsizadeh*

1. Rezaeinasab, M., et al., *Effect of Tactile Stimulation on Hand Mental Rotation Among Young Healthy Adults: A Randomized Controlled Trial*. Arch Neurosci, 2020. **7**(2): p. e99078.
2. Sistani, S., et al., *The effect of Wi-Fi electromagnetic waves on neuronal response properties in rat barrel cortex*. Somatosensory & motor research, 2019. **36**(4): p. 292-297.
3. Salari, E., et al., *Effects of Achillea millefolium aqueous extract on electrophysiological properties of rat barrel cortex neurons*. Jundishapur Journal of Natural Pharmaceutical Products, 2017. **12**(4).
4. Mohammadi, E., et al., *Effect of TPMPA (GABAC receptor antagonist) on neuronal response properties in rat barrel cortex*. Somatosensory & motor research, 2017. **34**(2): p. 108-115.
5. Hassanshahi, A., et al., *The effect of Wi-Fi electromagnetic waves in unimodal and multimodal object recognition tasks in male rats*. Neurological Sciences, 2017. **38**(6): p. 1069-1076.
6. Bannazadeh, M., et al., *The role of transient receptor potential vanilloid type 1 in unimodal and multimodal object recognition task in rats*. Pharmacological Reports, 2017. **69**(3): p. 526-531.
7. Soltani, N., et al., *Effects of dimethyl sulfoxide on neuronal response characteristics in deep layers of rat barrel cortex*. Basic and clinical neuroscience, 2016. **7**(3): p. 213.

8. Roohbakhsh, A., et al., *Tactile learning in rodents: neurobiology and neuropharmacology*. Life sciences, 2016. **147**: p. 1-8.
9. Shamsizadeh, A., et al., *Tactile learning is not impaired in the early phase of EAE in C57BL/6 mice*. 2013.
10. Rahmani, M., et al., *The role of capsaicin-induced acute inactivation of C-fibers on tactile learning in rat*. Iranian journal of basic medical sciences, 2013. **16**(2): p. 129.
11. Ayooobi, F., et al., *Achillea millefolium aqueous extract does not impair recognition memory in mice*. Tropical Journal of Pharmaceutical Research, 2013. **12**(2): p. 209-213.
12. Ayooobi, F., et al., *Tactile learning within the early phase of experimental autoimmune encephalomyelitis in mice*. Neurophysiology, 2013. **45**(4): p. 306-311.
13. Rajabi, S., et al., *Effect of DSP-4 induced central noradrenergic depletion on tactile learning in rat*. Neurological research, 2012. **34**(1): p. 80-84.
14. Rajabi, S., et al., *Effect of tactile learning on serum levels of IL-17 in male rats*. 2012.
15. Talebi, M., et al., *Effect of chronic morphine treatment on tactile learning in rat*. African Journal of Pharmacy and Pharmacology, 2011. **5**(19): p. 2128-2131.
16. Sheikhanloui-Milan, H., et al., *The effects of electrical stimulation of dorsal raphe nucleus on neuronal response properties of layer IV of barrel cortex following long-term sensory deprivation*. Neuroscience Research, 2010. **68**: p. E450-E450.
17. Sheibani, V., et al., *Neonatal capsaicin treatment modulates experience-dependent plasticity in the rat barrel cortex*. Journal of Comparative Neurology, 2010. **518**(17): p. 3427-3438.
18. Khachaki, A.S., et al., *Effect of sensory deprivation and locus coeruleus phasic electrical stimulation following the deflection of adjacent whisker on response properties of principal whisker related-neurons in layer IV of rat barrel cortex*. Feyz Journals of Kashan University of Medical Sciences, 2010. **14**(1).
19. Hamid, S.-M., et al., *Effects of electrical stimulation of dorsal raphe nucleus on neuronal response properties of barrel cortex layer IV neurons following long-term sensory deprivation*. Neuroscience bulletin, 2010. **26**(5): p. 388-394.

20. Shamsizadeh, A., et al., *Single whisker experience started on postnatal days 0, 5 or 8 changes temporal characteristics of response integration in layers IV and V of rat barrel cortex neurons*. Brain research bulletin, 2007. **74**(1-3): p. 29-36.
21. Afarinesh, M., et al., *Effect of the Dorsal Raphe Nucleus Electrical Stimulation on Evoked Response of the IV Layers and V Barrel Cortical Neurons in Rat*. Journal of Rafsanjan University of Medical Sciences, 2007. **6**(3): p. 155-162.
22. Alavi, M.S., et al., *Transient receptor potential ankyrin 1 (TRPA1)-mediated toxicity: friend or foe?* Toxicology mechanisms and methods, 2020. **30**(1): p. 1-18.
23. Soltani, N., et al., *Heterogeneous effects of cholecystokinin on neuronal response properties in deep layers of rat barrel cortex*. Somatosensory & motor research, 2018. **35**(2): p. 131-138.
24. Vazirinejad, R., et al., *Effect of aqueous extract of Achillea millefolium on the development of experimental autoimmune encephalomyelitis in C57BL/6 mice*. Indian journal of pharmacology, 2014. **46**(3): p. 303.
25. Ayooobi, F., et al., *Bio-effectiveness of the main flavonoids of Achillea millefolium in the pathophysiology of neurodegenerative disorders-a review*. Iranian journal of basic medical sciences, 2017. **20**(6): p. 604.
26. Ayooobi, F., et al., *Achillea millefolium is beneficial as an add-on therapy in patients with multiple sclerosis: A randomized placebo-controlled clinical trial*. Phytomedicine, 2019. **52**: p. 89-97.
27. Fatemi, I., et al., *The effect of intra-striatal administration of GPR55 agonist (LPI) and antagonist (ML193) on sensorimotor and motor functions in a Parkinson's disease rat model*. Acta Neuropsychiatrica, 2021. **33**(1): p. 15-21.
28. Saffar, S., et al., *The effect of epigallocatechin-3-gallate on morphine-induced memory impairments in rat: EGCG effects on morphine neurotoxicity*. Human & experimental toxicology, 2020. **39**(7): p. 994-1002.

29. Mozafari, N., et al., *The effect of ampakine Farampator (CX691) on working memory in a rat model of Alzheimer's disease induced by Amyloid beta 1-42*. Iranian Journal of Physiology and Pharmacology, 2018. **2**(2): p. 107-100.
30. Hadadianpour, Z., et al., *The effect of orexin-A on motor and cognitive functions in a rat model of Parkinson's disease*. Neurological research, 2017. **39**(9): p. 845-851.
31. Roohbakhsh, A. and A. Shamsizadeh, *Opioids and TRPV1 Receptors*, in *Neuropathology of Drug Addictions and Substance Misuse*. 2016, Mara Conner. p. 433-442.