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Kermanshah University of Medical Sciences
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Current position

Assistant Professor of Physiology at Kermanshah University of Medical Sciences (from 2013)

Education

Tarbiat Modares University

Ph.D of Physiology 2013

Dissertation title: The study of castration effect on learning and memory changes in male rats during sexual development and the role of NMDA and sigma receptors in these changes: behavioral, molecular and electrophysiological study

Supervisors: Yaghob Fathollahi, Naser Naghdi
Supported by Tarbiat Modares University

M.S., Physiology, 2006

Thesis title: Effects of aromatase inhibitor, Anastrozole, on spatial learning and memory in the CA1 area of rat hippocampus.

supervisor: Naser Naghdi
Supported by Tarbiat Modares University

B.S., Nursing, 2003

Kurdistan University of Medical science

Publications:

1. Hippocampal orexin-1 and endocannabinoid-1 receptors underlie the kainate-induced occlusion in theta-burst long-term potentiation. G Nasudi, ME Salmani, N Hosseinmardi, **F Moradpour**, T Lashkarbolouki, ...Neuropeptides.
2. Castration Eliminates the Impairment Effects of Nandrolone on Passive Avoidance Learning of Adolescent Male Rats. **F Moradpour**, Z Salimi, F Zarei, A Pourmotabbed, SE Nedaei, M Veisi. Neurophysiology 53 (2), 93-100.
3. The Association of Brain-Derived Neurotrophic Factor with Long-Term Potentiation. Z Salimi, **F Moradpour**, Z Rashidi, F Zarei, MR Khazaei, SM Ahmadi Shiraz E-Medical Journal 23 (2).
4. Effect of Androgen Deprivation by Castration on Cognitive Functions and Behaviors: A Review Study. Z Salimi, MR Khazaei, **F Moradpour**, F Zarei, Z Rashidi, SM Ahmadi. Journal of Advances in Medical and Biomedical Research 30 (138), 1-11
5. Anastrozole eliminates the improvement effects of nandrolone on hippocampal synaptic plasticity in adolescent male rats. Z Salimi, A Pourmotabbed, SE Nedaei, MR Khazaei, **F Moradpour**, F Zarei. Biology Bulletin 48 (6), 783-792
6. The effect of blockade of androgen receptors by flutamide on learning and memory, synaptic plasticity and behavioral performances: a review study. Z Salimi, **F Moradpour**, F Zarei, Z Rashidi, MR Khazaei, SM Ahmadi. Cell and Tissue Biology 15 (4), 337-346
7. Effects of Tacrolimus on Cognitive Functions of the Central Nervous System: A Review Article. Z Salimi, **F Moradpour**, F Zarei, Z Rashidi, MR Khazaei, SM Ahmadi, ... مجله علمی دانشگاه علوم پزشکی بابل 23 (1), 359-368
8. Altered expression of orexin 1 and endocannabinoid 1 receptors of the hippocampus in three pentylenetetrazol, pilocarpine and kainate seizure models. G Nasudi, SM ELAHDADI, N Hosseinmardi, T Lashkarbolouki, I Goudarzi, **F Moradpour** ...Koomesh 23 (282), 260-266
9. Nandrolone improve synaptic plasticity at the hippocampus CA1 area and spatial localization in the Morris water maze of male adolescent rats. Z Salimi, L Khajehpour, **F Moradpour**, AA Moazedi, A Pourmotabbed, ...Neuroscience Research 158, 21-29

10. Calcineurin is involved in retrieval of passive avoidance memory and synaptic plasticity impairment induced by Nandrolone administration in adolescent male rats. **F Moradpour**, AA Moazedi, A Pourmotabbed, F Zarei. *Neurobiology of Learning and Memory* 163, 107032
11. The study of effect of nilutamide (an androgen receptor antagonist) on spatial learning and memory in adolescent male rats. Z Salimi, L Khajehpour, **F Moradpour**, AA Moazedi, A Pourmotabbed. *Journal of Arak University of Medical Sciences* 22 (3), 81-94
12. Nandrolone administration abolishes hippocampal fEPSP-PS potentiation and passive avoidance learning of adolescent male rats. F Zarei, **F Moradpour**, AA Moazedi, A Pourmotabbed, M Veisi. *Canadian Journal of Physiology and Pharmacology* 97 (2), 130-139
13. The Role of Aromatase and Castration on Spatial Learning and Memory Changes by Nandrolone. Z Salimi, **F Moradpour**, L Khajehpour, AA Moazedi, A Pourmotabbed *Avicenna Journal of Neuro Psycho Physiology* 4 (4), 153-162
14. Haydeh Haghghizad, Atefeh Touhidi, Ali Pourmotabbed 1, **Farshad Moradpour**, Seyed Ershad Nedaei, Tayebeh Pourmotabbed. Curcumin Improves Chronic Stress Induced Potentiated Seizure Activity in Experimental Model of Epilepsy. *Journal of Neurological Sciences [Turkish]* 34:(1)# 57; 76-85, 2017.
15. Javanmardy S, Asadi MH, Movahedin M, **Moradpour F**, Bahadoran H. Derivation of motor neuron-like cells from neonatal mouse testis in a simple culture condition. *Andrologia*. 2016 Feb 19. doi: 10.1111/and.12545.
16. **Moradpour F**, Fathollahi Y, Naghdi N, Hosseinmardi N, Javan M. Pre-pubertal Castration-Associated Developmental Changes in Sigma-1 Receptor Gene Expression Levels Regulate Hippocampus Area CA1 Activity During Adolescence. *Hippocampus*. 2016 Feb 9. doi: 10.1002/hipo.22576.
17. Chronic sodium salicylate administration enhances population spike long-term potentiation following a combination of theta frequency primed-burst stimulation and the transient application of pentylene tetrazol in rat CA1 hippocampal neurons. Gholami M, **Moradpour F**, Semnani S, Naghdi N, Fathollahi Y. *Eur J Pharmacol*. 2015 Nov 15;767:165-74. doi: 10.1016/j.ejphar.2015.10.021. Epub 2015 Oct 22.
18. Petersen RP, **Moradpour F**, Eadie BD, Shin JD, Kannagara TS, Delaney KR, Christie BR. Electrophysiological identification of medial and lateral perforant path inputs to the dentate gyrus. **Neuroscience**. (2013 Nov 12) 252:154-68 PMID: 239333

19. **Farshad Moradpour**, Nasser Naghdi, Yaghoub Fathollahi, Mohamad Javan, Samira Choopani. Pre-pubertal castration improves spatial learning during mid-adolescence in rats. *Progress in Neuro-Psychopharmacology & Biological Psychiatry* (2013 Oct 1);46:105-12). PMID: 23871792.
20. **Farshad Moradpour**, Nasser Naghdi, Yaghoub Fathollahi, Nargess Hossienmardi, Mohamad Javan. Prepubertal Castration Causes the Age-Dependent Changes in Hippocampal Long-Term Potentiation. *Synapse* (2013 Jan 17); PMID:23325723
21. Ahmadi A, Sayyah M, Khoshkholgh-Sima B, Choopani S, Kazemi J, Sadegh M, **Moradpour F**, Nahrevanian H. Intra-hippocampal injection of lipopolysaccharide inhibits kindled seizures and retards kindling rate in adult rats. *Exp Brain Res.* (2013 Feb 1) 226(1):107-20. PMID: 23371749
22. **Farshad Moradpour**, Nasser Naghdi, Yaghoub Fathollahi., Anastrozole improved testosterone-induced impairment acquisition of spatial learning and memory in the hippocampal CA1 region in adult male rats. *Behavioural Brain Research* 175 (2006) 223–232. PMID:17018237
23. **Farshad Moradpour**, Nasser Naghdi , Yaghoub Fathollahi., Effect of Intra-CA1 injection of estrogen on spatial memory and learning in rats., *Physiology and Pharmacology*, 12 (3), 159 – 169, Fall 2008

Conference presentations

1. **Farshad moradpour**; yaghoub fathollahi; nasser naghdi, Developmental role of sigma-1 receptor in the regulation of hippocampal CA1 area activity and connectivity., Physiology 2016, July 29-31, 2016., Berlin, Ireland.
2. **Farshad moradpour**; yaghoub fathollahi; nasser naghdi; mohammad javan., Pre-pubertal castration reveals male gonadal effects on development of nmda dependent ca1 ltp and spatial learning of male rats during adolescence., 9th IBRO World Congress on Neuroscience, July 7-11, 2015., Rio de Janeiro, Brazil.
3. **Farshad Moradpour**, Nasser Naghdi, Yaghoub Fathollahi., Anastrozole improved testosterone-induced impairment acquisition of spatial learning and memory in the hippocampal CA1 region in adult male rats. Neuroscience Congress, 2010, gorgan, Iran.
4. **Farshad Moradpour**, Nasser Naghdi , Yaghoub Fathollahi., Effect of Intra-CA1 injection of estrogen on spatial memory and learning in rats., International congress of Physiology and Pharmacology, 2009, Tehran, Iran.

Expertise

Invitro brain slices Electrophysiology Recording (Whole cell and field potential)
Rodent Behavioral assessment (Water maze and Passive avoidance learning)
Acute Brain slicing
Brain Cryo-slicing
Immunohistochemistry and RT-PCR
Rodent Brain Stereotaxic Surgery
Rat Laminectomy and spinal cord contusion model

Honors

Sex months trainee in University of Victoria, Biology department, Professor Kerry Delaney's Lab.
(Whole cell recording) (2012)

First rank on Ph.D. Board Examination (2009)

First rank on Ph.D. Entrance Examination (2008)

Fourth rank of M.Sc. Entrance Examination (2004)

Teaching experience

Kermanshah University of Medical Sciences (KUMS)

Assistant professor of physiology, 2013-present

Islamic Azad University of Kurdistan, Sanandaj, Iran.

Lecturer, General Physiology, 2008-2009.

Institute Pasteur of Iran, Microdialysis & Behavioral Investigation Workshop, 2009

Trainer, Behavioral Investigation

Third Tehran IBRO School 2013

Trainer, in-vitro Field Potential Recording