

Curriculum vitae

Prof. Fereshteh Motamedi

I – Personal Information:

Last name: Motamedi
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Place of birth: Borojerd, Iran
Date of birth: March 18, 1944
Sex: female
Marital Status: married
Husband s' position: Associate Professor of Physics
Children: One daughter, Medical Doctor
Nationality: Iranian Passport #: Z4387228
Issued at : Tehran-IRAN
Expiry date of passport: 02-09-2006

II- Education:

Bachelor's degree, Tehran University, 1969 Major: Biology

Master's degree, Tehran University, 1972 Major: Physiology of the nervous system

Ph.D. University of Missouri – Columbia , U.S.A., 1978 Major: Physiology of the nervous system

III – Memberships:

- 1)International Brain Research Organization(IBRO)
- 2)Permanent member of the Iranian Academy of Medical Sciences
- 3)Iranian Society of Physiology and Pharmacology
- 4)Third World Academy of Woman Scientists(TWAWS)
- 5)Member of the Asian-Pacific Regional Committee(APRC) 2000-2008
- 6)Member of IBRO governing council(2002-present)

IV – Foreign Languages Known:

- 1) Reading and Speaking Knowledge of English – (Excellent)
- 2) Reading and Speaking Knowledge of French – (Good)
- 3) Reading and Speaking Knowledge of German – (fair)

V- Positions held:

- 1) Instructor in physiology (1970 – 1974)
National University of Iran, Faculty of Medicine , Tehran, Iran
- 2) Teaching and research assistant (1974 – 1978)
Physiology Department, Dalton Research Center,
University of Missouri – Columbia , MO. U.S.A.
- 3) Assistant professor in physiology (1978 – 1985)
Faculty of Medicine, Shaheed Beheshti University of Medical
Sciences. Evin, Tehran. Iran
- 4) Chairperson of the Department of Paramedical Physiology (1985-1987)
Faculty of Medicine, Shaheed Beheshti University of Medical
Sciences. Evin, Tehran. Iran
- 5) Associate professor in physiology (1985-1989)
Faculty of Medicine, Shaheed Beheshti University of Medical
Sciences. Even, Tehran. Iran
- 6) Chairperson of the Department of Physiology (1986-1999)
Faculty of Medicine, Shaheed Beheshti University of Medical
Sciences. Even, Tehran. Iran
- 7) Professor in physiology (since 1989), Shaheed Beheshti University of Medical
Sciences. Even, Tehran. Iran
- 8) President of the Iranian Society of Physiology and Pharmacology,
(1992-2002)
- 10) Member of the Iranian National Research Council (since 1991)
- 11) Member of the Iranian Basic Medical Sciences Council
(since 1998)
- 12) Chief editor of the Iranian Journal of physiology and
Pharmacology (since 1995)
- 13) Director of the Neuroscience Research Center of
Shaheed Beheshti University of Medical Sciences.
(since Jan.2000)
- 14) Visiting Professor Department of Pharmacology,
University College London ,U.K.(May-September 2001).

15) President of the Iranian Neuroscience Society

16) President of the Iranian Neuroscience Research Network Feb 2007 – present)

VI – Major areas of interest:

- 1) Physiology and Pharmacology of learning and memory
- 2) Long term potentiation in hippocampus and cerebral cortex
- 3) Physiology and pharmacology of ion channels of neurons
- 4) Physiology and Pharmacology of pain

VII – International Positions:

1. Vice President of the Federation of the Asian – Oceanic Physiological Societies (FAOPS) 1998 – 2003
2. Council member of the Federation of the Asian – Oceanic Physiological Societies (FAOPS), 1990-2002
3. Member of the Federation of the Asian – Oceanic Neuroscience Societies (FAONS) , 1998-present
4. President of the Federation of the Asian-Oceanic Neuroscience Societies (FAONS) ,2002-2004
5. Editor in chief, Federation of the Asian-oceanic physiological societies (FAOPS) newsletter, 2004-present.
6. Member of governing council, International Brain Research organization(IBRO), 2000-Present

VIII – Awards

- 1) who's award in the American Colleges and Universities, USA, 1977
- 2) DAAD Research grant of the Federal Republic of Germany (ESSEN), 1988
- 3) Honorary professor of the year at Shaheed Beheshti University of Medical Sciences, Tehran – Iran (3 Times)
- 4) The best woman translator of the year, 1989, Alzahra University, Tehran – Iran
- 5) The best woman scientist of the year, by ministry of Health and Medical education, Iran, 1993
- 6) The honorary professor of the year 1999, ministry of Health and Medical education, Tehran – Iran.
- 7) The honorary researcher of the year 2000, ministry of Health and Medical education, Tehran- Iran.
- 8) Governmental trophy in research, President khatami, President of Islamic Republic of Iran, 2004.

IX – Thesis supervision:

Supervising of more than 90 Master's and Ph.D. thesis in physiology and pharmacology, and M.D. and Pharm.D.

X- Books:

1. Experimental Physiology, Shahid Beheshti university publisher, 1st edition, 1986.
2. Physiology of Special Senses , Shahid Beheshti university Jahad publisher, 1988.
3. Persian translation of the Review of Medical Physiology edited by W.F. Ganong, 14th edition, Appleton & Lange publisher, 1989.
4. Persian translation of the Renal Physiology , edited by Arthur Vander, 4th edition, 1992.
5. Persian translation of the Review of Medical Physiology , edited by W.F. Ganong ,1999.
6. Blood System, physiology part, Faculty of medicine, Shahid Beheshti University of Med. Sci., 2011.
7. skin system, physiology part, faculty of Medicine, Shahid Beheshti University of Medical Sciences publisher 2012.

FULL PAPERS IN ENGLISH

- 1- Ronaghi A, Zibaii MI, Pandamooz S, Nourzei N, **Motamedi F**, Ahmadiani A, Dargahi L. Entorhinal cortex stimulation induces dentate gyrus neurogenesis through insulin receptor signaling. *Brain Res Bull.* 2019 Jan;144:75-84.
- 2- Hooshmandi E, **Motamedi F**, Moosavi M, Katinger H, Zakeri Z, Zaringhalam J, Maghsoudi A, Ghasemi R, Maghsoudi N. CEPO-Fc (An EPO Derivative) Protects Hippocampus Against A β -induced Memory Deterioration: A Behavioral and Molecular Study in a Rat Model of A β Toxicity. *Neuroscience.* 2018 Sep 15;388:405-417.
- 3- Pourbadie HG, Sayyah M, Khoshkholgh-Sima B, Choopani S, Nategh M, **Motamedi F**, Shokrgozar MA. Early minor stimulation of microglial TLR2 and TLR4 receptors attenuates Alzheimer's disease-related cognitive deficit in rats: behavioral, molecular, and electrophysiological evidence. *Neurobiol Aging.* 2018 Oct;70:203-216.
- 4- Khatami L, Khodagholi F, **Motamedi F**. Reversible inactivation of Interpeduncular nucleus impairs memory consolidation and retrieval but not learning in rats: A behavioral and molecular study. *Behav Brain Res.* 2018 April 16; 342:79-88.
- 5- Pourbadie HG, Naderi N, Delavar HM, Hosseinzadeh M, Mehranfard N, Khodagholi F, Janahmadi M, **Motamedi F**. Decrease of high voltage Ca²⁺ currents in the dentate gyrus granule cells by entorhinal amyloidopathy is reversed by calcium channel blockade. *Eur J Pharmacol.* 2017 Jan 5;794:154-161.
- 6- Yousefpour M, Naderi N, **Motamedi F**. Effect of interaction between acute administration of morphine and cannabinoid compounds on spontaneous excitatory and inhibitory postsynaptic currents of magnocellular neurons of supraoptic nucleus. *Iran J Basic Med Sci.* 2016 Jun;19(6):676-84.
- 7- Gholami Pourbadie H, Naderi N, Janahmadi M, Mehranfard N, **Motamedi F**. Calcium channel blockade attenuates abnormal synaptic transmission in the dentate gyrus elicited by entorhinal amyloidopathy. *Synapse.* 2016 Oct;70(10):408-17.
- 8- Nategh M, Nikseresht S, Khodagholi F, **Motamedi F**. Inactivation of nucleus incertus impairs passive avoidance learning and long term potentiation of the population spike in the perforant path-dentate gyrus evoked field potentials in rats. *Neurobiol Learn Mem.* 2016 Apr; 130:185-193.
- 9- Khodagholi F, Digaleh H, **Motamedi F**, Foolad F, Shaerzadeh F. Nitric Oxide and Protein Disulfide Isomerase Explain the Complexities of Unfolded Protein Response Following Intra-hippocampal A β Injection. *Cell Mol Neurobiol.* 2016 Aug;36(6):873-81.
- 10- Aghaei I, Rostampour M, Shabani M, Naderi N, **Motamedi F**, Babaei P, Khakpour-Taleghani B. Palmitoylethanolamide attenuates PTZ-induced seizures through CB1 and CB2 receptors. *Epilepsy Res.* 2015 Nov; 117:23-28.
- 11- Zare N, Khalifeh S, Khodagholi F, Shahamati SZ, **Motamedi F**, Maghsoudi N. Geldanamycin Reduces A β -Associated Anxiety and Depression, Concurrent with Autophagy Provocation. *J Mol Neurosci.* 2015 Nov; 57(3):317-24.
- 12- Zare N, **Motamedi F**, Digaleh H, Khodagholi F, Maghsoudi N. Collaboration of geldanamycin-activated P70S6K and Hsp70 against beta-amyloid-induced hippocampal

- apoptosis: an approach to long-term memory and learning. *Cell Stress Chaperones*. 2015 Mar;20(2):309-19.
- 13- Doost Mohammadpour J, Hosseinmardi N, Janahmadi M, Fathollahi Y, **Motamedi F**, Rohampour K. Non-selective NSAIDs improve the amyloid- β -mediated suppression of memory and synaptic plasticity. *Pharmacol Biochem Behav*. 2015 Feb 17;132:33-41.
 - 14- Pourbadie HG, Naderi N, Mehranfard N, Janahmadi M, Khodaghali F, **Motamedi F**. Preventing effect of L-type calcium channel blockade on electrophysiological alterations in dentate gyrus granule cells induced by entorhinal amyloid pathology. *PLoS One*. 2015 Feb 17;10(2):e0117555.
 - 15- Nategh M, Nikseresht S, Khodaghali F, **Motamedi F**. Nucleus incertus inactivation impairs spatial learning and memory in rats. *Physiol Behav*. 2015 Feb;139:112-20.
 - 16- Mehranfard N, Gholamipour-Badie H, **Motamedi F**, Janahmadi M, Naderi N. Long-term increases in BK potassium channel underlie increased action potential firing in dentate granule neurons following pilocarpine-induced status epilepticus in rats. *Neurosci Lett*. 2015 Jan 12;585:88-91.
 - 17- Yousefpour M, Naderi N, Mansouri Z, Janahmadi M, Alizadeh AM, **Motamedi F**. The comparison of the effects of acute and repeated morphine administration on fast synaptic transmission in magnocellular neurons of supraoptic nucleus, plasma vasopressin levels, and urine volume of male rats. *Iran J Pharm Res*. 2014 Summer;13(3):975-85.
 - 18- Mazaheri-Tehrani E, Maghsoudi N, Shams J, Soori H, Atashi H, **Motamedi F**, Bode L, Ludwig H. Borna disease virus (BDV) infection in psychiatric patients and healthy controls in Iran. *Virol J*. 2014 Sep 3;11:161.
 - 19- Shaerzadeh F, **Motamedi F**, Khodaghali F. Inhibition of akt phosphorylation diminishes mitochondrial biogenesis regulators, tricarboxylic Acid cycle activity and exacerbates recognition memory deficit in rat model of Alzheimer's disease. *Cell Mol Neurobiol*. 2014 Nov;34(8):1223-33.
 - 20- Mehranfard, N., Gholamipour-Badie, H., **Motamedi, F.**, Janahmadi, M., Naderi, N. The effect of paxilline on early alterations of electrophysiological properties of dentate gyrus granule cells in pilocarpine-treated rats. *Iranian Journal of Pharmaceutical Research*. 2014 winter, 13 (SUPPL) PP. 125-132.
 - 21- Sarkaki A, Rafieirad M, Hossini SE, Farbood Y, **Motamedi F**, Mansouri SM, Naghizadeh B. Improvement in Memory and Brain Long-term Potentiation Deficits Due to Permanent Hypoperfusion/Ischemia by Grape Seed Extract in Rats. *Iran J Basic Med Sci*. 2013 Sep;16(9):1004-10.
 - 22- Shaerzadeh F, **Motamedi F**, Minai-Tehrani D, Khodaghali F. Monitoring of neuronal loss in the hippocampus of $\alpha\beta$ -injected rat: autophagy, mitophagy, and mitochondrial biogenesis stand against apoptosis. *Neuromolecular Med*. 2014 Mar;16(1):175-90.
 - 23- Shirazi-zand Z, Ahmad-Molaei L, **Motamedi F**, Naderi N. The role of potassium BK channels in anticonvulsant effect of cannabidiol in pentylenetetrazole and maximal electroshock models of seizure in mice. *Epilepsy Behav*. 2013 Jul;28(1):1-7.
 - 24- Ghanbarian E, **Motamedi F**. Ventral Tegmental Area Inactivation Suppresses the Expression of CA1 Long Term Potentiation in Anesthetized Rat. *PLoS One*. 2013;8(3):e58844.

- 25- Tanehkar F, Rashidy-Pour A, Vafaei AA, Sameni HR, Haghghi S, Miladi-Gorji H, **Motamedi F**, Akhavan MM, Bavarsad K. Voluntary exercise does not ameliorate spatial learning and memory deficits induced by chronic administration of nandrolone decanoate in rats. *Horm Behav.* 2013 Jan;63(1):158-65.
- 26- Gholamipour-Badie H, Naderi N, Khodaghali F, Shaerzadeh F, **Motamedi F**. L-type calcium channel blockade alleviates molecular and reversal spatial learning and memory alterations induced by entorhinal amyloid pathology in rats. *Behav Brain Res.* 2013 Jan 15;237:190-9.
- 27- Sarkaki A, Eidypour Z, **Motamedi F**, Keramati K, Farbood Y. Motor disturbances and thalamic electrical power of frequency bands' improve by grape seed extract in animal model of Parkinson's disease. *Avicenna J Phytomed.* 2012 Fall;2(4):222-32.
- 28- Sherafat MA, Ronaghi A, Ahmad-Molaei L, Nejadhoseynian M, Ghasemi R, Hosseini A, Naderi N, **Motamedi F**. Kindling-induced learning deficiency and possible cellular and molecular involved mechanisms. *Neurol Sci.* 2012 Jun 29.
- 29- Ashabi G, Ramin M, Azizi P, Taslimi Z, Alamdary SZ, Haghparast A, Ansari N, **Motamedi F**, Khodaghali F. ERK and p38 inhibitors attenuate memory deficits and increase CREB phosphorylation and PGC-1 α levels in A β -injected rats. *Behav Brain Res.* 2012 Jun 15;232(1):165-73.
- 30- Haghani M, Shabani M, Javan M, **Motamedi F**, Janahmadi M. CB1 cannabinoid receptor activation rescues amyloid β -induced alterations in behaviour and intrinsic electrophysiological properties of rat hippocampal CA1 pyramidal neurones. *Cell Physiol Biochem.* 2012;29(3-4):391-406.
- 31- Naderi N, Akhavan N, Aziz Ahari F, Zamani N, Kamalinejad M, Shokrzadeh M, Ahangar N, **Motamedi F**. Effects of Hydroalcoholic Extract from *Salvia verticillata* on Pharmacological Models of Seizure, Anxiety and Depression in Mice. *Iran J Pharm Res.* 2011 Summer;10(3):535-45.
- 32- Davoodi FG, **Motamedi F**, Akbari E, Ghanbarian E, Jila B. Effect of reversible inactivation of reuniens nucleus on memory processing in passive avoidance task. *Behav Brain Res.* 2011 Aug 1;221(1):1-6.
- 33- Naderi N, Ahmad-Molaei L, Aziz Ahari F, **Motamedi F**. Modulation of anticonvulsant effects of cannabinoid compounds by GABA-A receptor agonist in acute pentylenetetrazole model of seizure in rat. *Neurochem Res.* 2011 Aug;36(8):1520-5.
- 34- Ghadrdoost B, Vafaei AA, Rashidy-Pour A, Hajisoltani R, Bandegi AR, **Motamedi F**, Haghghi S, Sameni HR, Pahlvan S. Protective effects of saffron extract and its active constituent crocin against oxidative stress and spatial learning and memory deficits induced by chronic stress in rats. *Eur J Pharmacol.* 2011 Sep 30;667(1-3):222-9.
- 35- Faraji F, Ghasemi A, **Motamedi F**, Zahediasl S. Time-dependent effect of GABA on glucose-stimulated insulin secretion from isolated islets in rat. *Scand J Clin Lab Invest.* 2011 Oct;71(6):462-6.
- 36- Sherafat MA, Javan M, Mozafari S, Mirnajafi-Zadeh J, **Motamedi F**. Castration attenuates myelin repair following lysolecithin induced demyelination in rat optic chiasm: an evaluation using visual evoked potential, marker genes expression and myelin staining. *Neurochem Res.* 2011 Oct;36(10):1887-95.

- 37- Hajisoltani R, Rashidy-Pour A, Vafaei AA, Ghaderdoost B, Bandegi AR, **Motamedi F**. The glucocorticoid system is required for the voluntary exercise-induced enhancement of learning and memory in rats. *Behav Brain Res*. 2010 Dec 13.
- 38- Ramin M, Azizi P, **Motamedi F**, Haghparast A, Khodaghali F. Inhibition of JNK phosphorylation reverses memory deficit induced by β -amyloid (1-42) associated with decrease of apoptotic factors. *Behav Brain Res*. 2011 Mar 1; 217(2):424-31.
- 39- Akbari E, **Motamedi F**, Davoodi FG, Noorbakhshnia M, Ghanbarian E. Orexin-1 receptor mediates long-term potentiation in the dentate gyrus area of freely moving rats. *Behav Brain Res*. 2011 Jan 1;216(1):375-80.
- 40- Doulah AH, Rohani AH, Khaksari Haddad M, **Motamedi F**, Farbood Y, Badavi M, Malek M, Sarkaki A. The effect of peripheral administration of growth hormone on AD-like cognitive deficiency in NBM-lesioned rats. *Neurosci Lett*. 2009 Nov 27;466(1):47-51.
- 41- Haghparast A, Naderi N, Khani A, Lashgari R, **Motamedi F**. Formalin-induced Differential Activation of Nucleus Cuneiformis Neurons in the Rat: An Electrophysiological Study. *J Pain*. 2010 Jan;11(1):32-43.
- 42- Saber-Tehrani A, Naderi N, Hosseini Najarkolaei A, Haghparast A, **Motamedi F**. Cannabinoids and Their Interactions with Diazepam on Modulation of Serum Corticosterone Concentration in Male Mice. *Neurochem Res*. 2010 Jan; 35(1):60-6.
- 43- Dolatshahi-Somehsofla M, Esmaeili-Mahani S, **Motamedi F**, Haeri A, Ahmadiani A. Adrenalectomy potentiates the antinociceptive effects of calcium channel blockers. *Pharmacol Biochem Behav*. 2009 Apr; 92(2):327-34.
- 44- Mohammad-zadeh M., Mirnajafi-zadeh J., Fathollahi Y., Javan M., Jahanshahi A., Noorbakhsh SM., **Motamedi F**. The role of Adenosine A1 receptors in mediating the inhibitory effects of low frequency stimulation of perforant path on kindling acquisition in rats. *Neuroscience*. 2009 Feb 18; 158(4):1632-43.
- 45- Ghiafeh Davoodi F., **Motamedi F**., Naghdi N., Akbari E., Effect of reversible inactivation of the reuniens nucleus on spatial learning and memory in rats using Morris water maze task. *Behav Brain Res*, 2009 Mar 2;198(1):130-5.
- 46- Khakpour-Taleghani B., Lashgari R., **Motamedi F**., Naghdi N., Effect of reversible inactivation of locus coeruleus on spatial reference and working memory. *Neuroscience*. 2009 Feb 18;158 (4):1284-91.
- 47- Faraji F, Ghasemi A, Khosravi M, **Motamedi F**, Zahedi Asl S. "Inhibitory Effect of GABA on Glucose-Simulated Insulin Secretion from Isolated Islets of Langerhans in Rat", *Iranian Journal of Endocrinology & Metabolism*, Vol 10 No.1 May 2008, 59-66.
- 48- Lashgari R, Khakpour-Taleghani B, **Motamedi F**., Shahidi S. Effects of reversible inactivation of locus coeruleus on long-term potentiation in perforant path-DG synapses in rats. *Neurobiol Learn Mem*. 90 (2008) 309-316.
- 49- Naderi N, Aziz Ahari F, Shafaghi B, Hosseini Najarkolaei A, **Motamedi F**. Evaluation of interactions between cannabinoid compounds and diazepam in electroshock-induced seizure model in mice, *J Neural Transm (Vienna)* 2008 Nov;115(11):1501-11.
- 50- Saeed Esmaeili-Mahani, Noriaki Shimokawa, Mohammad Javan, Nader Maghsoudi, **Motamedi F**, Noriyuki Koibuchi, and Abolhasan Ahmadiani. Low-Dose Morphine

- Induces Hyperalgesia Through Activation of G alphas Protein Kinase C, and L-Type Ca^{2+} Channels in Rats. *Journal of Neuroscience Research*, 2008 Feb 1;86(2):471-479.
- 51- Alireza Sarkaki, Rahele Assaei, **Fereshteh Motamedi**, Mohammad Badavi, Naser Pajouhi. Effect of parental morphine addiction on hippocampal long-term potentiation in rats offspring. *Behavioral Brain Res*, 186 (2008) 72-77.
- 52- Khakpour-Taleghani B, Lashgari R, Aavani T, Haghparast A, Naderi N, **Motamedi F**. The locus coeruleus involves in consolidation and memory retrieval, but not in acquisition of inhibitory avoidance learning task. *Behav Brain Res*. 2008 Jun 3; 189 (2): 257-62.
- 53- Esmaeil Akbari, **Fereshteh Motamedi**, Nasser Naghdi, Maryam Noorbakhshnia. The effect of antagonization of orexin 1 receptors in CA1 and dentate gyrus regions on memory processing in passive avoidance task. *Behav Brain Res* 187 (2008) 172-177.
- 54- Esmaeili-Mahani S, Javan M, **Motamedi F**, Ahmadiani A. Post-adrenalectomy changes in the gene expression of specific G-protein subunits involved in morphine sensitization. *Neuropeptides*. 2008 Apr; 42(2):169-75.
- 55- Nima Naderi, Abbas Haghparast, Ali Saber-Tehrani, Neguine Rezaii, Amir-Mohammad Alizadeh, Abbas Khani, **Fereshteh Motamedi**. Interaction between cannabinoid compounds and diazepam on anxiety-like behaviour of mice. *Pharmacology Biochemistry and Behavior*, 2008 Mar; 89(1):64-75.
- 56- Saeed Esmaeili-Mahani, Yadollah Fathi, **Fereshteh Motamedi**, Farhad Hosseinpanah, Abolhassan Ahmadiani. L-type calcium channel blockade attenuates morphine withdrawal: In vivo interaction between L-type calcium channels and corticosterone. *Horm Behav* 2008 Feb; 53(2):351-7.
- 57- Abbas Haghparast, Abbas Khani, Nima Naderi, Amir-Mohammad Alizadeh, **Fereshteh Motamedi**. Repeated administration of nicotine attenuates the development of morphine tolerance and dependence in mice. *Pharmacology, Biochemistry and Behavior*. 2008 Feb; 88(4):385-92.
- 58- Lashgari R., **Motamedi F**, Noorbakhsh SM., Zahedi Asl S., Komaki A., Shahidi S., Haghparast A, Assessing the long-term role of L-type voltage dependent calcium channel blocker verapamil on short-term presynaptic plasticity at dentate gyrus of hippocampus, *Neuroscience Letters*, 415 (2007)174-178.
- 59- Esmaeili-Mahani S, Vahedi S, **Motamedi F**, Pourshanazari A, Khaksari M, Ahmadiani A. Involvement of hypothalamic pituitary adrenal axis on the analgesic cross-tolerance between morphine and nifedipine., *pharmacology, biochemistry and Behavior* 86(2007) 806-812.
- 60- Esmaeili-Mahani S, Fereidoni M, Javan M, Maghsoudi N, **Motamedi F**, Ahmadiani A. Nifedipine suppresses morphine-induced thermal hyperalgesia: Evidence for the role of corticosterone. *European Journal of Pharmacology* 567 (2007) 95-101.
- 61- Mohammad-Reza Zarrindast, Reza Lashgari, Ameneh Rezayof, **Fereshteh Motamedi**, Farzaneh Nazari-Serenjeh. NMDA receptors of dorsal hippocampus are involved in the acquisition, but not in the expression of morphine- induced place preference. *European journal of Pharmacology* 568 (2007)192-198.
- 62- Zakeri Z, Maghsoudi N, **Motamedi F**, Lockshin RA. Expanding new horizons and sharing of information and Knowledge. *Apoptosis*, December 2007, Volume 12, Issue 12, pp 2285-2285. (Meeting Report)

- 63- Esmaeili Mahani S., **Motamedi F.**, Ahmadiani A ., Involvement of hypothalamic pituitary adrenal axis on the effects of nifedipine in the development of morphine tolerance in rats. *Pharmacology Biochemistry and Behavior* 2006, 85, 422-427.
- 64- Lashgari R., **Motamedi F.**, Zahedi Asl S., Shahidi S., Komaki A. Behavioral and electrophysiological studies of chronic oral administration of L-type calcium channel blocker verapamil on learning and memory in rats. *Behav Brain Res* 171(2006) 324-328.
- 65- Javan M., Kazemi B., Ahmadiani A., **Motamedi F.** Dexamethasone mimics the inhibitory effect of chronic pain on the development of tolerance to morphine analgesia and compensates for morphine induced changes in G proteins gene expression. *Brain Res.* 2006 Aug 9; 1104(1): 73-9.
- 66- Akbari E., Naghdi N., **Motamedi F.** Functional inactivation of orexin 1 receptors CA1 region impairs acquisition, consolidation and retrieval in Morris water maze task. *Behavioral Brain research* 2006 oct 2; 173(1) 47-52.
- 67- Akbari.E, Naghd.N, **Motamedi F.** The selective orexin 1 receptor antagonist SB-334867-A impairs acquisition and consolidation but not retrieval of spatial memory in Morris water maze. *Peptides* 28(2007) 650-656.
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- 73- Shahidi S., **Motamedi F.**,Naghdi N. Effect of reversible inactivation of the supramammillary nucleus on spatial learning and memory in rats. *Brain Research* (2004) 267-274.
- 74- Sarihi A., Fathollahi Y., **Motamedi F.**, Naghdi N., Rashidi -Pour A. Effects of lidocaine reversible inactivation of the median raphe nucleus on long term potentiation and recurrent inhibition in the dentate gyrus of rat hippocampus. *Brain Research*, 2003: 159-169.
- 75- **Motamedi F.**, Ghasemi M., Ghiafeh Davoodi F., Naghdi N. Comparison of learning and memory in morphine Dependent Rats using different behavioral Models. *Iranian Journal of pharmaceutical Research* (225-230) November 2003. Tehran, Iran.
- 76- Salami M, Fathollahi Y, Esteky H, **Motamedi F.**, Atapour N. Effects of ketamine on synaptic transmission and long-term potentiation in layer II/III of rat visual cortex in vitro. *Eur J. Pharmacol.* 2000 Mar 3; 390 (3): 287-93.

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- 78- Mansouri FA, **Motamedi F**, Fathollahi Y, Chronic in vivo morphine administration facilitates primed-bursts-induced long-term potentiation of Schaffer collateral-CA1 synapses in hippocampal slices in vitro. *Brain Res* 1999 Jan 9; 815 (2): 419-23.
- 79- Sarihi A, **Motamedi F**, Rashidi pour A, Naghdi N, Behzadi G, Reversible inactivation of the median raphe nucleus enhances consolidation and retrieval but not acquisition of passive avoidance learning in rats. *Brain Res.* 1999 Jan 30; 817 (1-2): 59-66.
- 80- Sahraii H., **Motamedi F**, khoshbaten A, zarrindast MR. Adenosine A(2) receptors inhibit morphine self administration in rats. *Eur J Pharmacol.* 1999 Oct 27; 383 (2): 107-13.
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