

Personal information

First Name: Narges

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Nationality: Iranian

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EDUCATIONAL RECORDS

Degree	Institution	Field	Date of graduation
M.Sc.	Tarbiat Modarres Univ	Physiology	2004
Ph.D	Tarbiat Modarres Univ	Physiology	2009

MEMBERSHIP OF SCIENTIFIC SOCIETIES

International Brain Research Organization (IBRO)

Iranian Society of Physiology and Pharmacology

Iranian Epilepsy Society

Medical Council of I.R.I.

RESEARCH EXPERIENCES

Field potential recording set up preparation

Field potential recording in rat hippocampus (In vitro & In vivo)

Slice preparation from Hippocampus in rat

Electrical Kindling Model of Epilepsy

Brain Cannulation in rat

Steriotaxic surgery

RNA extraction

cDNA making

RT-PCR

TEACHING EXPERIENCES

Neurophysiology, Medical Students

Cardiovascular Physiology, Medical and MSc and PhD physiology Students

Endocrine Physiology, Medical and MSc and PhD physiology Students

Cell Physiology, Medical Students

PUBLICATION

JOURNAL PAPERS:

Prepubertal castration causes the age-dependent changes in hippocampal long-term potentiation. Moradpour F, Fathollahi Y, Naghdi N, **Hosseinmardi N**, Javan M. *Synapse*. 67:235-44, (2013).

Astrocyte- neuron interaction as a mechanism responsible for generation of neural synchrony: a study based on modeling and experiments. Mahmood Amiri, **Narges Hosseinmardi**, Fariba Bahrami, Mahyar Janahmadi. *J Comput Neurosci*, 34(3):489-504, (2013).

In vivo sodium salicylate causes tolerance to acute morphine exposure and alters the ability of high frequency stimulation to induce long-term potentiation in hippocampus area CA1. **Narges Hosseinmardi**, Lila Azimi, Yaghoub Fathollahi, Mohammad Javan, Naser Naghdi. *European Journal of Pharmacology, In Press, 2011*.

Theta pulse stimulation: A natural stimulus pattern can trigger long-term depression but fails to reverse long-term potentiation in morphine withdrawn hippocampus area CA1, **Narges Hosseinmardi**, Yaghoub Fathollahi, Naser Naghdi, Mohammad Javan, *Brain Research*, 1296:1-14 (2009).

MATERNAL EXPOSURE TO THE CB1 CANNABINOID AGONIST WIN 55212-2 PRODUCES ROBUST CHANGES IN MOTOR FUNCTION AND INTRINSIC ELECTROPHYSIOLOGICAL PROPERTIES OF CEREBELLAR PURKINJE NEURONS IN RAT OFFSPRING. M. SHABANI, **N. HOSSEINMARDI**, M. HAGHANI, V. SHAIBANI AND M. JANAHMADI. *Neuroscience* 172 (2011) 139-152.

Curcuminoids Rescue Long-Term Potentiation Impaired by Amyloid Peptide in Rat Hippocampal Slices. TOUQEER AHMED, ANWARUL-HASSAN GILANI, **NARGES HOSSEINMARDI**, SAEED SEMNANIAN, SYED ATHER ENAM, AND YAGHOUB FATHOLLAHI. *SYNAPSE* 66:572-582 (2011).

The role of adenosine A₁ and A_{2A} receptors of entorhinal cortex on piriform cortex kindled seizures in rats, **Narges Hosseinmardi**, Javad Mirnajafi-Zadeh, Yaghoub Fathollahi and Parviz Shahabi, *Pharmacological Research*, 56: 110-117 (2007).

Amygdala adenosine A₁ receptors have no anticonvulsant effect on piriform cortex kindled seizures in rat, Parviz Shahabi, Javad Mirnajafi-Zadeh, Yaghoub Fathollahi, **Narges Hosseinmardi**, Mohammad Ebrahim Rezvani, and Ali Eslami- Far, *Can. J. Physiol. Pharmacol.*, 84: 913-921 (2006).

Augmentation of paired pulse index as short-term plasticity due to morphine dependence, **Narges Hosseinmardi**, Leila Azimi, Mohammad Javan, Naser Naghdi, Yaghoub Fathollahi, *Iranian J. of Physiology and Pharmacology*, 13 (2): 108-119 (2009).

The effect of intraentorhinal injection of selective A_{2A} receptor agonist on piriform cortex kindled seizures in rats, **Narges Hosseinmardi**, Javad Mirnajafi-Zadeh, Yaghoub Fathollahi, Parviz Shahabi, Mohammad Ebrahim Rezvani, and Maryam Zeraati, *Iranian J. of Physiology and Pharmacology*, 9 (1): 41-46 (2005).

The effect of intraentorhinal injection of selective A₁ receptor agonist on piriform cortex kindled seizures in rats, **Narges Hosseinmardi**, Javad Mirnajafi-Zadeh, Yaghoub Fathollahi, Parviz Shahabi, Mohammad Ebrahim Rezvani, Simin Namvar, and Mohammad Reza Palizvan, *Kosar Medical Journal*, 10 (2): 103-110 (2005).

Effect of electrical lesion of amygdala basolateral nuclei on piriform cortex kindled seizures in rat, Parviz Shahabi, Javad Mirnajafi-Zadeh, Yaghoub Fathollahi, **Narges Hosseinmardi**, Mohammad Ebrahim Rezvani, Ali Eslami-Far, and Zahra deljou, *Iranian J. of Physiology and Pharmacology*, 9 (2): 99-105 (2006).

Adenosine A₁ receptors of amygdala has not anticonvulsant effects on piriform cortex kindled seizures in rat, Parviz Shahabi, Javad Mirnajafi-Zadeh, Yaghoub Fathollahi, **Narges Hosseinmardi**, Mohammad Ebrahim Rezvani, and Simin Namvar, *J. of Semnan University of Medical Sciences*, 6 (3): 229-235 (2005).

The role of adenosine A₁ receptors activity of piriform cortex neurons on amygdala kindled seizures in rat, Mohammad Ebrahim Rezvani, Javad Mirnajafi-Zadeh, Yaghoub Fathollahi, Mohammad Reza Palizvan, **Narges Hosseinmardi**, and Parviz Shahabi, *Yakhteh Medical Journal*, 6 (24): 188-193 (2005).

Role of adenosine A_{2A} receptors of hippocampus CA1 region on piriform cortex kindled rats, Maryam Zeraati, Javad Mirnajafi-Zadeh, Yaghoub Fathollahi, Mohammad Ebrahim Rezvani, and **Narges Hosseinmardi**, *Kosar Medical Journal*, 10 (3): 168-173 (2005).

The Role of Piriform Cortex Adenosine A₁ Receptors in Hippocampal kindled seizures in Rats, Simin Namvar, Javad Mirnajafi-Zadeh, Yaghoub Fathollahi, Mohammad Ebrahim Rezvani, Parviz Shahabi, **Narges Hosseinmardi**, Parviz Ghorbani, and Maryam Zeraati, *J. of Iran University of Medical Sciences*, 13 (51): 197-204 (2006).

ABSTRACT IN CONGRESS

Narges Hosseinmardi, Yaghoub Fathollahi, Mohammad Javan, Nasser Naghdi, Theta pulse stimulation: a natural stimulus pattern can alter NMDA receptor subunits composition in hippocampus area CA1 of morphine dependent rats, (8th IBRO world congress of neuroscience) 14-18 July, 2011, Florence, Italy.

Hosseinmardi Narges, Janahmadi Mahyar, Fathollahi Yaghoub, Naghdi Nasser
ELECTROPHYSIOLOGICAL INTERACTION BETWEEN HIPPOCAMPAL
CA1 PYRAMIDAL NEURONS AND GLIAL CELLS IN NEURONAL

SYNCHRONIZATION, (1st IBRO Middle East Neuroscience Conference), 07-09 February, 2011, Al Ain, United Arab Emirates.

Sharareh Dariani, **Narges Hosseinmardi**, Mahyar Janahmadi, Minocycline alters the electrophysiological properties of CA1 pyramidal neurons in rats, 5th Federation of Asian- oceanic Neuroscience Societies (FAONS) Symposium, 28-30, November, 2010, India.

Narges Hosseinmardi, Yaghoub Fathollahi, Nasser Naghdi, Mohammad Javan, Long-term in vitro morphine disappears enhancement of paired pulse facilitation (PPF) in withdrawn slices, (The 36th International congress of physiological sciences, IUPS 2009) 27 July-1 August , 2009, Kyoto, **Japan**.

Narges Hosseinmardi, Javad Mirnajafi-Zadeh, Yaghoub Fathollahi, Parviz Shahabi, Effect of intraentorhinal microinjection of selective A2A receptor agonist on piriform cortex kindled seizures in rats, (the 6th Congress of the Federation of Asian Ocean in Physiological Societies) 15-18 October, 2006, Seoul, Korea.

J. Mirnajafi-Zadeh, P. Shahabi, Y. Fathollahi, **N. Hosseinmardi**, Adenosine A1 receptors of amygdala have no anticonvulsant effects on piriform cortex kindled seizures in rats, (26th International Epilepsy Congress) 28 August-1 September , 2005, Paris, **France**.

J. Mirnajafi-Zadeh, **N. Hosseinmardi**, P. Shahabi, Effect of intraentorhinal microinjection of selective A2A receptor agonist on piriform cortex kindled seizures in rats, (The 28th Annual Meeting of the Japan neuroscience Society) 26-28 July , 2005 ,Yokohama, **Japan**.

N. Hosseinmardi, J. Mirnajafi-Zadeh, Y. Fathollahi and , P. Shahabi, Effect of intraentorhinal microinjection of selective A₁ receptor agonist on piriform cortex kindled seizures in rats, (The 7th IBRO world congress of neuroscience) 12-17 July, 2007, Melbourne, Victoria, **Australia**.

N. Hosseinmardi, J. Mirnajafi-Zadeh, Y. Fathollahi, P. Shahabi, M.E. Rezvani, Effect of entorhinal cortex adenosine A1 receptors on piriform cortex kindled seizures in rats, 17th Iranian Congress of Physiology and Pharmacology, 2005, Kerman, **Iran**.

M.E. Rezvani, J. Mirnajafi-Zadeh, Y. Fathollahi, **N. Hosseinmardi**, P. Shahabi, M.R. Palizvan, Effect of piriform cortex adenosine A1 receptors on amygdala kindled seizures in rats, 17th Iranian Congress of Physiology and Pharmacology, 2005, Kerman, **Iran**.

N. Hosseinmardi, J. Mirnajafi-Zadeh, Y. Fathollahi, P. Shahabi, Effect of entorhinal cortex adenosine A2A receptors on piriform cortex kindled seizures in rats, 18th Iranian Congress of Physiology and Pharmacology, 2007, Mashhad, **Iran**.

J. Mirnajafi-Zadeh, P. Shahabi, Y. Fathollahi, **N. Hosseinmardi**, Adenosine A₁ receptors of amygdale has not anticonvulsant effects on piriform cortex kindled seizures in rat, 13th Iranian Biology Conference & 1th International of Biology Conference, 2003, Gilan, Iran.

N. Hosseinmardi, Y. Fathollahi, M. Javan, N. Naghdi. Morphine dependence does not change baseline synaptic response, 19th Iranian Congress of Physiology and Pharmacology, Tehran, Iran.

Narges Hosseinmardi, Sharareh Dariani, Masoud Haghani and Mahyar Janahmadi, Effect of functional inhibition of glial cells on PTZ-induced epileptic activity in hippocampal CA1 pyramidal neurons of rat, 20th Iranian Congress of Physiology and Pharmacology, Hamedan, Iran.

Narges Hosseinmardi, Saeed Semnanian, Fereshteh PourAbdolHosseini, Samaneh Dehghan, Mehdi Sadegh, Evaluation of physiology and pharmacology situation and planning for future, 20th Iranian Congress of Physiology and Pharmacology, Hamedan, Iran.

Doost Mohammadpour Jafar, **Hosseinmardi Narges**, Janahmadi Mahyar, Fathollahi Yaghoob, Motamedi Fereshteh, Aspirin and sodium salicylate decreased basal synaptic responses in CA1 area of hippocampus but did not change test pulse, threshold, and maximum intensity, 21st Iranian Congress of Physiology and Pharmacology, Tabriz, Iran.

Hooshmandi Mehdi, **Hosseinmardi Narges**, Janahmadi Mahyar, Doost Mohammadpour Jafar, Doost Mohammadpour Jafar, Effect of orexin-1 receptors (OX1R) blockade in CA1 area of hippocampus on morphine withdrawal syndrome in rats, 21st Iranian Congress of Physiology and Pharmacology, Tabriz, Iran.

Sasan Gazerani, Jalal Zarin Ghalam, **Hosseinmardi Narges**, The role of C-fibers in hyperalgesia during inflammatory arthritis in male rats, 21st Iranian Congress of Physiology and Pharmacology, Tabriz, Iran.

Honor

- Ranked 1st in the B.Sc. Graduating in midwifery of Beheshti University.
- Ranked 1st in the M.Sc. entrance exam in physiology.
- Ranked 1st in the M.Sc. Graduating in physiology of Tarbiat Modarres University. (2004)
- Ranked 1st in the Ph.D. entrance exam in physiology of Tarbiat Modarres University. (2004)
- Ranked 1st in the Ph.D. Graduating in physiology of Tarbiat Modarres University. (2009)

- Prize of best poster presentation in 8th IBRO world congress of neuroscience, Florence, Italy, (14-18 July, 2011)

Congress/Workshops

8th IBRO world congress of neuroscience, Florence, Italy, (14-18 July, 2011)

1st IBRO Middle East Neuroscience Conference, Al Ain, United Arab Emirates, (07-09 February, 2011)

36th International Congress of Physiological Sciences (IUPS 2009), Kyoto, Japan, (July 27th – August 1th, 2009)

7th IBRO world congress of neuroscience, Melbourne Convention Centre, Melbourne, Victoria, Australia, (12-17 July, 2007)

2nd Federation of Asian- oceanic Neuroscience Societies (FAONS) Symposium, Neuroscience Research center, Shaheed Beheshti University of Medical Sciences, Tehran, Iran, (16-19 May, 2004)

First international Symposium on molecular technology (Biotechnology in progress), Tehran, Iran, (July 30th – August 1th, 2005)

National Symposium of Neuroscience, Gorgan, 16-17 February, 2011)

IBRO School of Neuroscience, Molecular, Cellular and Behavioral Approaches to Neuroscience, Shanghai, China, (October 26th – November 4th 2009)

IBRO School of Neuroscience, Melbourne, Victoria, Australia, (2-6 July, 2007)

6th IBRO- Associate School and 1st of Neuroscience Orientation Summer Program, Tehran, Iran, (August 26th – September 21th, 2006)

13th Iranian Biology Conference & 1th International of Biology Conference, Gilan, Iran, (2003)

16th Iranian congress of physiology and pharmacology, Tarbiat Modarres University, Tehran, Iran, (2003)

17th Iranian congress of physiology and pharmacology, Kerman University of Medical Sciences, Kerman, Iran, (August, 2005)

18th Iranian congress of physiology and pharmacology, Mashhad University of Medical Sciences, Mashhad, Iran, (2007)

19th Iranian congress of physiology and pharmacology, Shaheed Beheshti University of Medical Sciences, Tehran, Iran, (2009)

Workshop of “Molecular techniques in physiology”, Shahid Beheshti University, Tehran, Iran, (2003)

Workshop of advanced neuroscience, Tarbiat Modarres University, Tehran, Iran, (2004)

Workshop of “single unit recording”, Tarbiat Modarres University, Tehran, Iran, (2003)

Workshop of “field potentials recording”, Tarbiat Modarres University, Tehran, Iran, (2003)

Workshop of “patch clamp”, Tarbiat Modarres University, Tehran, Iran, (2003)
Lecture series on Scientific Writing and Communication, Tarbiat Modarres University, Tehran, Iran, (2006)

Lecture series on Scientific Ethics, Tarbiat Modarres University, Tehran, Iran, (2006)