

Curriculum Vitae

Name: **Hossein Mostafavi**

Address: Zanzan University of Medical Sciences, Zanzan, Iran

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Personal Information:

Date of Birth: May. 22 1974

Place of Birth: Zanzan – Iran

Nationality: Iranian

Education:

2008- 2013: PhD in Neuroscience, Tehran University of Medical Sciences, Tehran, Iran

2002 – 2005: MSc of Physiology, Shiraz University of Medical Sciences, Shiraz, Iran
(GPA: 17.79 out of 20)

1993 – 1996: BSc of Nursing, Zanzan University of Medical Sciences, Zanzan, Iran
(GPA: 16.70 out of 20)

Presentation & Research:

2018

Raheleh Gholamzadeh, Mehdi Eskandari, Mohammad Reza Bigdeli, Hossein Mostafavi. Erythropoietin Pretreatment Effect on Blood Glucose and Its Relationship With Inflammatory Factors After Brain Ischemic-Reperfusion Injury in Rats Basic and Clinical Neuroscience, 9(5), 347-356. <http://dx.doi.org/10.32598/bcn.9.5.347>

Ghasem Barati, Samad Nadri,| Ramin Hajian, Ali Rahmani, Hossein Mostafavi, Yousef Mortazavi, Amir Hossein Taramchi..Differentiation of microfluidic encapsulated trabecular meshwork mesenchymal stem cells into insulin producing cells and their impact on diabetic rats. Journal of cellular physiology, 2018;1 –9.

Enderami SE, Kehtari M, Abazari MF, Ghoraieian P, Nouri Aleagha M, Soleimanifar F, Soleimani M, Mortazavi Y, Nadri S, Mostafavi H, Askari H..Generation of insulin-producing cells from human induced pluripotent stem cells on PLLA/PVA nanofiber scaffold. Artif Cells Nanomed Biotechnol. 2018 Feb 27:1-8.
doi:10.1080/21691401.2018.1443466.

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Nadri S, Barati G, Mostafavi H, Esmaeilzadeh A, Enderami SE. Differentiation of conjunctiva mesenchymal stem cells into secreting islet beta cells on plasma treated electrospun nanofibrous scaffold. *Artif Cells Nanomed Biotechnol.* 2017 Dec 14:1-10

Osali A, Choobineh S, Soori R, Ravasi AA, Mostafavi H. The Effect of Three Months of Aerobic Exercise with Moderate Intensity on IL-6, IL-10, and Cognitive Performance in 50-65 Year Old Women with Metabolic Syndrome. *Journal of Zanjan University of Medical Sciences and Health Services.* 2017, 25(110), pp. 1-12

Jamali S, Mostafavi H, Barati G, Eskandari M, Nadri S. Differentiation of mesenchymal stem cells -derived trabecular meshwork into dopaminergic neuron-like cells on nanofibrous scaffolds. *Biologicals.* 2017 Nov;50:49-54

2016

Shadi Barzanjeh, Hosein Mostafavi, Mohsen Alipour, Mehdi Eskandari and Saeed Ghanbarzadeh. Effect of Cigarette Smoke Exposure and Exercise on Abortion, Placental Vascularization, Human Chronic Gonadotropin Hormone and Birthweight. *BIOSCIENCES BIOTECHNOLOGY RESEARCH ASIA*, September 2016. Vol. 13(3), 1829-1834.

Alipour M, Adineh F, Mostafavi H, Aminabadi A, Monirinasab H, Jafari MR. Effect of chronic intraperitoneal aminoguanidine on memory and expression of Bcl-2 family genes in diabetic rats. *Can J Physiol Pharmacol.* 2016 Jun;94(6):669-75

Raheleh Gholamzadeh, Mehdi Eskandari, Hossein Mostafavi, Mohammad Reza Bigdeli, Hossein Mostafavi. A Review on the Pretreatment Effect of EPO on Ischemic Tolerance in Different Tissues with an Approach to the Tissue Protection Mechanisms. *International Journal of Medical Reviews*, Volume 3, Issue 1, Winter 2016; 389 – 400.

MR Bigdehi, H Mostafavi, R Gholamzadeh, M Eskandari. Pretreatment Effect of Erythropoietin on Brain Tissue Water Content after Brain Ischemia Induction by Middle Cerebral Artery Occlusion (MCAO) in Male Wistar Rats. *Journal Of Zanjan University Of Medical Sciences And Health Services.* Volume 24, Number 104 (5-2016).

2015

Mojtaba Khaksarian, Hossein Mostafavi, Masoud Soleimani, Seid Morteza Karimian, Mohammad Hassan Ghahremani, Mohammad Taghee Joghataee, Mohsen Khorashadzadeh, Hadi Aligholi, Fatemeh Attari and Gholamreza Hassanzadeh:

Regulation of connexin 43 and microRNA expression via β 2-adrenoceptor signaling in 1321N1 astrocytoma cells, *Mol Med Rep.* 2015 Aug;12(2):1941-50.

Hossein Mostafavi, Mojtaba Khaksarian, Mohammad Taghi Joghataeia Sadegh Yoosefee, Maryam soleimannejad, Rahele gholamzadeh, Sanam seifollahi bahnamiri, Mahmoud Reza Hadjighassem: cAMP-Epac pathway stimulation modulate connexin-43 and microRNA 21 expression in glioma cells. *Basic and clinical neuroscience*, Winter 2015, Volume 6, Number 1, 362-367.

2014

Sanaz Eftekhari, Soraya Mehrabi, Mansooreh Soleimani, Gholamreza Hassanzadeh, Amene Shahrokhi, Hossein Mostafavi, Parisa Hayat, Mahmood Barati, Hajar Mehdizadeh, Reza Rahmanzadeh, Mahmoud Reza Hadjighassem, Mohammad Taghi Joghataei: BDNF Modifies Hippocampal KCC2 and NKCC1 Expression in a Temporal Lobe Epilepsy Model, *Acta Neurobiol Exp (Wars)*. 2014;74(3):276-87.

Hossein Mostafavi, Mojtaba Khaksarian, Mohammad Taghi Joghataeia, Gholamreza Hassanzadeh, Masoud Soleimani, Sanaz Eftekhari, Mansooreh Soleimani, Kazem Mousavizadeh, Hajar Estiri, Sedighesadat Ahmadi, Mahmoud Reza Hadjighassem: Selective β 2 adrenergic agonist increases Cx43 and miR-451 expression via cAMP-Epac, *Moleculae medicine reports*, 2014, 9: 2405-2410.

Hossein Mostafavi, Mojtaba Khaksarian, Mohammad Taghi Joghataeia, Gholamreza Hassanzadeh, Masoud Soleimani, Sanaz Eftekhari, Mansooreh Soleimani, Kazem Mousavizadeh, Mahmoud Reza Hadjighassem: Fluoxetine Upregulates Connexin 43 Expression in Astrocyte, *Basic and clinical neuroscience*, Winter 2014, Volume 5, Number 1, 74-79.

2013

Eftekhari S, Mehvari Habibabadi J, Najafi Ziarani M, Hashemi Fesharaki SS, Gharakhani M, Mostafavi H, Joghataei MT, Beladimoghadam N, Rahimian E, Hadjighassem MR: Bumetanide reduces seizure frequency in patients with temporal lobe epilepsy. *Epilepsia*. 2013 Jan;54(1):e9-12.

2011

AA Nekooeian, GA Deghani, H Mostafavi, A Khalili: The Effect of Hydroalcoholic Extract of Olive Leaves on Blood Pressure in Rat Model of Two-Kidney, One-Clip Goldblatt Hypertension. *Iran cardiovas Res J* 2011;5(1):1-6

Hossein Mostafavi: "Applications of Optical tweezers in Neuroscience", Iranian journal of neuroscience, Autumn and Winter 2011.

2010

Brain stimulation in the study and treatment of addiction. The abstract of this article was accepted as poster presentation in "4th seminars of biology of addiction, May, 2010, Tehran, Iran.

2005:

"Preventive effect of hydroalcoholic olive leaf extract on increase of blood pressure in Goldblott hypertension is not dose dependent", the abstract of this article was accepted as poster in the "First seminar of medicinal & natural products chemistry, May 10-11, 2005, Shiraz, Iran"

2004:

"Effect of hydroalcoholic olive leaf extract on development of hypertension in two kidney, one clip hypertensive rats", the abstract of this article was accepted as poster presentation in "7th international congress of geographic medicine, renal disease and hypertension, November, 23-25, 2004, Shiraz, Iran.

About 15 articles were presented in Farsi at different national seminars and congress in nursing field.

Book Translation:

Glial neurobiology : a textbook / Alexei Verkhratsky, Arthur Butt. John Wiley & Sons Ltd, 2007. (Persian version, Royan pazhoh Publisher, 1st edition, 1389)

NEURAL STEM CELLS AND THERAPY / Edited by Tao Sun, Published by InTech (Persian version, Royan pazhoh Publisher, 1st edition, 1393)

Introduction to neurobiology of addiction/ James D. Stoehr (Persian version, Royan pazhoh Publisher, 1st edition, 1395)

Prizes/Awards:

2012. Tehran university of medical sciences' top student award

2010/2011 : Prize for the Best Book of the Season in the filed of Medicine.

2010. Iran university of medical sciences' top student award

2010: Acquiring the first rank in comprehensive exam of Neuroscience.

2008: National Neuroscience PhD Program Entrance Exam (In which I was ranked 2ed among 110 candidates)

Laboratory Skills:

Stem Cell Culture, Gel Electrophoresis, Western Blot, RNA and MicroRNA Extraction, RT-PCR, Real Time PCR for gene and MicroRNA, Clone PCR, Cloning techniques such as plasmid extraction, digestion, ligation, gel extraction, transformation, transfection, transduction and familiar with Stem cell research.

Certified Courses Attended:

August 2009: Workshop of “Neurobiology of addiction”

June 2009: Workshop of “Behavioural Methods in Neuroscience”

May 2009: Workshop of “ Neurostereology”

August 2007: Educational workshop of “Scientific Writing”

Current research fields:

Stem cell

Stroke

Neuroendocrine

Addiction neurobiology