



Curriculum vitae

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Biographical sketch and teaching experience

- Ph.D., in Anatomical Sciences, (2006-2011), Faculty of Medicine, Tehran University of Medical Science, Tehran, Iran
- M.Sc, in Anatomical Sciences, (2000-2004), Faculty of Medicine, Isfahan University of Medical Science, Isfahan, Iran
- B.Sc, in Nursing Sciences, (1993-1997), Faculty of Nursing, Tehran University of Medical Science, Tehran, Iran

- Teaching of Gross Anatomy ,Histology ,Embryology (2004- present).

Activities:

- Scientific member of neuroal stem cell team of council for stem cell sciences and technology (2015- present).
- Scientific member of experimental animal team of council for stem cell sciences and technology (2016- present).
- Associate Editor of Avicenna Journal of Neuropsychopharmacology (2014- present)
- Managing Editor of Avicenna Journal of Neuropsychopharmacology (2014- present)
- Member of post graduate students committee of Medicine faculty , HUMS, Hamadan-Iran (2013- present).
- Partial Membership of Cell therapy Division, HUMS, Hamadan-Iran (2015- present)
- Partial Membership of Neurophysiology Research Center, HUMS, Hamadan-Iran (2013- present)
- Partial Membership of Research Center for Behavioral Disorders and Substance Abuse, HUMS, Hamadan-Iran (2012- present)
- Member of Executive committee of Real Time PCR Workshop ,11-12 December

2010

- Member of Executive committee of Experimental Animal Managing Workshop ,13 June 2010
- Member of Executive committee of 4th seminar of Biology of Addiction ,20 June 2010
- Member of Scientific committee of 4th seminar of Biology of Addiction ,20 June 2010
- Member of Executive committee of 5th Asia Pacific International Congress (APICA), 16-19 May 2008.
- Member of Iranian Association of Anatomical Sciences (ISAS).2007-present.

Research field of interest:

I have had a long- term intensive interest in neurodegenerative disease and possible therapeutic. In particular, I have been investigating the protective effects of some herbal and chemical medicines on neurodegenerative diseases. Now, I try to differentiate the various stem cells to nerve cells and improve the in-vivo environments to administration the cells in the neurodegenerative disease.

Presentation at meeting (national and international) :

National:

- 1-9 Iranian congress of Biology of Addiction (2009-2015 Tehran –Iran) oral and poster presentation
- 1-4th basic and clinical neurosciences congress (2012-2015) oral presentation
- The 12th Iranian anatomical sciences congress (May 2016 tehranz-Iran) Oral presentation
- The 11th Iranian anatomical sciences congress (Feb 2014 Ahwaz-Iran) Oral presentation
- The 10th Iranian anatomical sciences congress (May 2012 Rasht-Iran) Oral presentation
- The 9th Iranian anatomical sciences congress (May.9-10,2010 Hamadan-Iran) poster presentation
- The19th Physiology and pharmacology Congress. Poster presentation
- Seminar of Neurobiology of Addiction June .26 ,2009 Tehran/Iran Oral Presentation
- Seminar of Molecular Basis of Autism June .25 ,2008 Tehran/Iran
- Seminar of Nano Technology May. 19, 2008 Tehran/Iran)
- Seminar of Tissue angering May. 18, 2008 Tehran/Iran)
- Seminar of Cell Therapy May.17 ,2008 Tehran/Iran)

- Seminar of Application of Nano Technology In Medicine October .13 ,2007
Tehran/Iran)
- Seminar of Effect of Stem cells in Nervous system disease February .24 ,2007
Tehran/Iran)
- The 5th International Congress Iranian Heart Surgical Association October 23,2007
Tehran /Iran
- The 7th Iranian anatomical sciences congress (May.9-10,2006 Shiraz/Iran)
- The 6th Iranian anatomical sciences congress (Oral Presentation May.4-6,2004
Shiraz/Iran)

International:

- The 8th International Association of Neurorestoratology and 12th GCNN Congress,
(April 2015Tehran- Iran) oral presentation
- The 8th European Neurology Congress, (September 2016), Amesterdam, Netharland,
Poster presentation.
- The 5th APICA , Asia Pacific International Congress of Anatomist , May. 16 -19
,2008,Tehran /Iran Poster Presentation
- The 11th International Congress of Embryology 2008,Tehran/Iran
- The 11th International Congress of Embryology 2008,Tehran/Iran
- The 10th International Congress of Embryology 2006,Tehran/Iran
- The 15th International Congress of Cardiovascular Surgery Oct.31-Nov.3 ,2006
Tehran/Iran

Publications:

1. **Sara Soleimani Asl, Amir Roointan, Parastoo Mardani, Ronak Shabani, Mehdi Mehdizadeh.** Association between opioid receptors gene polymorphism and heroin dependence in west of Iran. Submitted
2. **Mohammad Hassan Sakhaie, Mansoureh Soleimani, Vahid Pirhajati, Sara Soleimani Asl, Zahra Madjd, Mehdi Mehdizadeh.** Coenzyme Q10 Ameliorates Trimethyltin Chloride Neurotoxicity in Experimental Model of Injury in Dentate Gyrus of Hippocampus: A Histopathological and Behavioral Study. Iranian Red Crescent Medical Journal. 2016
3. **Fahimeh Ghasemi Moravej, Mehrangiz Vahabian, Sara Soleimani Asl.** Dimethyloxalyglycine may be enhance the capacity of neural-like cells in treatment of Alzheimer disease. Cell biology international. 2016 40 (6), 619-620
4. **Ehsan Barati, Sara Soleimani Asl, Mahmoud Jamshidian, Siamak Shahidi.** Effect of Borage on Hipocampal TNF-A Protein And Gene in The Amyloid B-Peptide (25–35)- Induced of Alzheimer Model in Rat. Biosciences Biotechnology Research Asia 2016 13 (1), 37-42
5. **Zoleikha Golipoor, Sara Soleimani Asl, Fereshteh Mehraein, Akram Alizadeh, Ebrahim Asadi, Maryam Sarbishegi.** Spinal Cord Injury Repair by Intrathecal Infusion of Stromal Cell-Derived Factor-1/CXC Chemokine Receptor 4 in a Rat Model. 2016 Gene, Cell and Tissue 3 (2)
6. **Tayebe Artimani, Massoud Saidijam, Reza Aflatoonian, Mahnaz Ashrafi, Iraj Amiri, Mahnaz Yavangi, Sara SoleimaniAsl, Nooshin Shabab, Jamshid Karimi,**

- Mehdi Mehdizadeh.** Downregulation of adiponectin system in granulosa cells and low levels of HMW adiponectin in PCOS. *J Assist Reprod Genet.* 2016 1-10.
7. **Ehsan Barati, Sara Soleimani Asl, Mahmoud Jamshidian, Siamak Shahidi.** Investigating the Effect of Borage on Hippocampal IL-1 beta Protein And Gene in The Amyloid B-Peptide (25–35)-Induced of inflammation in Rat. *Biomedical and Pharmacology Journal.* 2015 13 (1), 37-42
 8. **Mordadi, A., Ahmadi, F.H., Soleimani Asl S., Arabestani, M.R., Szweda, P.** Cloning, expression, purification and evaluation of recombinant lysostaphin using pBAD cloning system. *Journal of Mazandaran University of Medical Sciences.* 2015 25(128) 18 – 28.
 9. **Iraj Salehi, Maryam Sahab Soleimani, Mona Pourjafar, Fahimeh Ghasemi Moravej, Alireza Komaki, Sara Soleimani Asl.** Vitamin C can alter lead-induced passive avoidance learning impairment in rats. *Iranian Anatomical Sciences* 2015. 12(3): 137-141.
 10. **Zargooshnia S, Shahidi S, Ghahremanitamadon F, Nikkhah A, Mehdizadeh M, Soleimani Asl S.** The protective effect of Borago Officinalis extract on amyloid β (25-35)-induced long term potentiation disruption in the dentate gyrus of male rats. *Metab Brain Dis.* 2015 30 (1), 151-156.
 11. **Soleimani Asl S, Saifi B, Sakhaie A, Zargooshnia S, Mehdizadeh M.** Attenuation of ecstasy-induced neurotoxicity by N-acetylcysteine. *Metab Brain Dis.* 2015 30 (1), 171-181.
 12. **Zahra Nadia Sharifi, Shabnam Movassaghi, Farzaneh Mohamadzadeh, Sara Soleimani Asl, Bagher Pourheydar, Mehdi Mehdizadeh.** Reduction in ischemic brain injury following the administration of pentoxifylline after transient global ischemia/reperfusion in a rat model. *Medical Journal of The Islamic Republic of Iran.* 2015 29, 193-0
 13. **Sara Soleimani Asl, Mehdi mehdizadeh, Soudabeh Hamed Shahraki Mohamad Taghi Joghataei.** Sex Differences in MDMA- induced Toxicity in Sprague-Dawley Rats. *Functional Neurology.* 2015 30 (2), 131- 137
 14. **Hamid Behrouj, Nasrin Ziamajidi, Roghayeh Abbasalipourkabir, Abolfazl Nasiri, Sara Soleimani Asl** Therapeutic Effect of Silybum marianum Plant Extract on Tamoxifen-Induced Fatty Liver in Rats. *Avicenna J Med Biochem.* 2015 March; 3(1): e27160.
 15. **Iraj Salehi, Maryam Sahab Soleimani, Mahsa Poorhamze, Fahimeh Ghasemi Moravej, Alireza Komaki, Sara Soleimani Asl** Protective Effect of Vitamin E Against Lead-induced Memory and Learning Impairment in Male Rats. *Avicenna J Neuro Psych Physio.* 2015 February; 2(1): e27267
 16. **Fereshteh Mozaffarian, Shima Ababzadeh, Akram Alizadeh, Esmaeel Sharifi, Majid Katebi, Farzaneh Mohammadzadeh, Sara Soleimani Asl, Pegah Zoalfaghar, Mansooreh Soleimani.** A Decrease of Reelin Expression in Neonatal Ventral Hippocampal Lesion Model. *Journal of Applied Biotechnology Reports.* 2014; 1(3):121-124
 17. **Saifi B, Rezaee SA, Tajik N, Ahmadpour ME, Ashrafi M, Vakili R, Soleimani Asl S, Aflatoonian R, Mehdizadeh M.** Th17 cells and related cytokines in unexplained recurrent spontaneous miscarriage at the implantation window. *Reprod Biomed Online.* 2014 Jul 10. pii: S1472-6483(14)00357-5. doi:10.1016/j.rbmo.2014.06.008.

18. **Fatemeh Ghahremanitamadon, Siamak Shahidi, Somayeh Zargooshnia, Ali Nikkhah, Akram Ranjbar, Sara Soleimani Asl** . Protective Effects of Borago officinalis Extract on Amyloid β -Peptide(25-35)-Induced Memory Impairment in Male Rats: A Behavioral Study. *Biomed Res Int*. 2014;798535. doi: 10.1155/2014/798535.
19. **Hassan Alipanahzadeh, Mansooreh Soleimani, Sara Soleimani Asl, Bagher Pourheydar, Ali Nikkhah, Mehdi Mehdizadeh**. Transforming Growth Factor - α Improves Memory Impairment and Neurogenesis following Ischemia Reperfusion. *Cell Journal (Yakhteh)* 16 (3), 315
20. **Mohamad Bakhtiar Hesam Shariati, Fatemeh Mirzaei, Sara Soleimani Asl, Leila Mosavi, Maryam Sohrabi**. Acute and Chronic Effects of 3-4, Methylendioxyamphetamine on Pyramidal Cells of Hippocampus. *Avicenna J Neuro Psych Physio*. 2014 November; 1(2): e21812.
21. **Ali Nikkhah, Fatemeh Ghahremanitamadon, Somayeh Zargooshnia, Siamak Shahidi, Sara Soleimani Asl** .Effect of Amyloid β -Peptide on Passive Avoidance Learning in Rats: A Behavioral Study. *Avicenna J Neuro Psych Physio*. 2014 August; 1(1): e18664
22. **Mohamad Bakhtiar Hesam Shariati, Maryam Sohrabi, Siamak Shahidi, Ali Nikkhah, Fatemeh Mirzaei , Mehdi Mehdizadeh, Sara Soleimani Asl**. Acute effects of ecstasy on memory are more extensive than chronic effects. *Basic and clinical neuroscience* 2014 5 (3), 225
23. **Fatemeh Mirzaei, Sara Soleimani Asl, Siamak Shahidi, Mohammad Bakhtiar Hesam Shariati, Mehdi Mehdizadeh, Maryam Sohrabi**. Chronic and Sub-acute Effects of MDMA on Spatial Memory and Passive Avoidance Learning in Wistar Rats. *Iranian Anatomical Sciences*. 2013. 10(4): 24-28.
24. **Soleimani Asl S, Mousavizedeh K, Pourheydar B, Soleimani M, Rahbar E, Mehdizadeh M**. Protective effects of N-acetylcysteine on 3, 4-methylendioxyamphetamine-induced neurotoxicity in male Sprague-Dawley rats. *Metab Brain Dis*. 2013 Dec; 28(4):677-86.
25. **Soleimani Asl S, Pourheydar B, Dabaghian F, Nezhadi A, Roointan A, Mehdizadeh M**. Ecstasy-Induced Caspase Expression Alters Following Ginger Treatment. *BCN*. 2013; 4 (4) :51-55
26. **Soleimani asl S , Aghaei O. , Shekarriz N. , Molavi N. , Mehdizadeh M. .** Effect of chronic treatment of ketamine on hippocampus cell count of adult rats. *The Horizon of Medical Sciences*. 2013; 19 (1) :35-39
27. **Soleimani Asl S , Shekarriz N , Molavi N , Basirat A , Falahati P , Esmaceli F , et al .** Effect of 3-4,methylendioxyamphetamine in CA1 hippocampal neurons in male Rats. *J Gorgan Uni Med Sci*. 2013; 15 (1) :31-37
28. **Alipanahzadeh H, Soleimani M, Soleimani Asl S, Mehdizadeh M**. The Effect of TGF- α on Neurogenesis in Subventricular Zone of Rat Brain after Ischemia-Reperfusion. *BCN*. 2012; 3 (2) :12-15
29. **Alipanahzade H , Soleimani M , Soleimani Asl S , Mehdizadeh M , Katebi M .** Effect of transforming growth factor alpha of dentate gyrus neurons and pyramidal cells of CA1 subfield of hippocampus following ischemia-reperfusion in Rats. *J Gorgan Uni Med Sci*. 2012; 14 (3) :26-32
30. **Mehdizadeh M, Dabaghian F, Nezhadi A, Fallah-Huseini H, Choopani S, Shekarriz N, Molavi N, Basirat A, Mohammadzadeh Kazorgah F, Samzadeh-Kermani A, Soleimani Asl S**. Zingiber Officinale Alters 3,4-methylendioxyamphetamine-Induced Neurotoxicity in Rat Brain. *Cell J*. 2012 Fall;14(3):177-84. Epub 2012 Dec 12.
31. **Soleimani Asl S, Farhadi MH, Moosavizadeh K, Samadi Kuchak Saraei A, Soleimani M, Jamei SB, Joghataei MT, Samzadeh-Kermani A, Hashemi-Nasl H,**

- Mehdizadeh M.** Evaluation of Bcl-2 Family Gene Expression in Hippocampus of 3, 4-methylenedioxymethamphetamine Treated Rats. *Cell J.* 2012 Winter;13(4):275-80.
32. **Sara Soleimani Asl, Mohammad Hassan Farhadi, Nasser Naghdi, Samira Choopani, Alireza Samzadeh-Kermani, Mehdi Mehdizadeh** Non-acute effects of different doses of 3, 4- methylenedioxymethamphetamine on spatial memory in the Morris water maze in Sprague-Dawley male rats *Neural Regen Res.* 2011;6(22):1715-1719.
33. **Sara Soleimani Asl, Peiman Falahati, Nima shekar riz, Nima Molavi, Farzaneh Esmaeili , Zahra Azimi ,Freidoon Sajadi , Parisa Hayat , Alireza Samzadeh-Kermani , Mehdi Mehdizadeh.** Protective Effects of N-Acetyl-L-cystein on 3,4-Methylene Dioxymethamphetamine-Induced Neurotoxicity in Cerebellum of Male Rats .*Basic and Cleinical Neuroscience.* 2011;3(1): 44-48.
34. **Mohsen Marzban, Sara SoleimaniAsl, Hassan FallahHuseini, Mahdi Tondar, Samira Choopani, Mehdi Mehdizadeh.** Effects of butternut squash extract on dentate gyrus cell proliferation and spatial learning in male adult rats*Neural Regen Res.* 2011;6(24):1855-1859.
35. **Nezhadi A, Ghazi F, Rassoli H, Bakhtiari M, Ataiy Z, Soleimani S, Mehdizadeh M** BMSC and CoQ10 improve behavioural recovery and histological outcome in rat model of Parkinson's disease. *Pathophysiology.*2011 18(4):317-24.
36. **F Mohammadzadeh, M Mehdizadeh, A Alizadeh, Pad R Farahani, F Kermanian, Asl S Soleimani, M Katebi, M Solimani.** The Role Of Agonist Of A2a Adenosine Receptors On Neurotoxicity Of Mdma (Ecstasy Pill) On Rat's Hippocampus. *Journal Of Iranian Anatomical Sciences.* 2011: 9 (35): 130- 136
37. **Batoul Ebadi, Mehdi Mehdizadeh, ArezooNahavandi, TabandehShariati, Sara SoleimaniAsl, HamdolahDelaviz.** Effects of nitric oxide on the prefrontal cortex in stressed rats, *journal of neural regeneration reaserch.*2010;5(14)
38. **Azad N, Rasoolijazi H, Joghataei MH, Soleimani S.** Neuroprotective effects of carnosic acid in an experimental model of Alzheimer's Disease in rats.*Cell Journal.*2011;13(1):39-44.
39. **Mehdizadeh M, Soleimani Asl S, Soleimani M, Farhadi MH.** Molecular principles of MDMA in central nervous system. *Journal of Neuroscience reviews.*2009;7(26-27), 18-24
40. **Soleimani M, Mehdizadeh M, Bakhshayesh M, Soleimani S, Tabatabaei P.** Neuroprotective effects of mitochondrial KATP channel opener upon neuronal cortical brain of rat population. *Journal of Iranian Anatomical Sciences.*2007;5:1-8
41. **Soleimani Asl S, Abbasi H, Nasr Esfahani MH, Razavi SH, Mardani M.** Effect of Ketotifen as mast cell blocker on sperm parameters and sperm chromatin in unexplained male infertility. *Journal of Reproduction and Infertility.*2004;5(2), 25-30