

## CURRICULUM VITAE



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### Leila Dargahi

Date of Birth: 31/10/1979

Place of Birth: Tehran

Associate Professor  
Neuroscience Research Center  
Shahid Beheshti University of Medical Sciences  
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### EDUCATION

#### 1998 - 2004

Graduate Pharmacy Student

School of Pharmacy, Mashhad University of Medical Sciences, Mashhad, Iran

#### 2004 - 2010

Postgraduate (Ph.D.) Student

Department of Pharmacology, School of Medicine, Shahid Beheshti University of Medical Sciences, Tehran, Iran

#### 2010

Six months Research Fellow

Laboratory of Molecular Neuropharmacology, TCIN, Trinity College Dublin, Ireland

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### ACADEMIC POSITIONS

#### 2011-2016

Assistant Professor

#### Current

Associate Professor

Neuroscience Research Center, Shahid Beheshti University of Medical Sciences

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### RESEARCH LINES

Cellular, molecular and behavioral neuroscience, with main focus on neuroinflammatory, neurodegenerative and regenerative processes.

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## PUBLICATIONS

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1. Valian N, Ahmadiani A, **Dargahi L**. Does Repeated Methamphetamine Exposure at Different Regimens Cause Parkinsonian-Like Behavior in Rats? *Iran J Pharm Res.* **2018**; 17(2):543-552.
2. Dutta P, **Dargahi L**, O'Connell KE, Bolia A, Ozkan B, Sailer AW, Dev KK. A novel modelling mechanism of PAEL receptor and GABARAPL2 interaction involved in Parkinson's disease. *Neurosci Lett.* **2018**; 673:12-18. doi: 10.1016/j.neulet.2018.02.055.
3. Ryan F, Khodaghali F, **Dargahi L**, Minai-Tehrani D, Ahmadiani A. Temporal Pattern and Crosstalk of Necroptosis Markers with Autophagy and Apoptosis Associated Proteins in Ischemic Hippocampus. *Neurotox Res.* **2018**. doi: 10.1007/s12640-017-9861-3. PMID: 29313217
4. Rafiee M, **Dargahi L**, Eslami A, Beirami E, Jahangiri-Rad M, Sabour S, Amereh F. Neurobehavioral assessment of rats exposed to pristine polystyrene nanoplastics upon oral exposure. *Chemosphere.* **2018**; 193:745-753. doi: 10.1016/j.chemosphere.2017.11.076. PMID: 29175402
5. Pandamooz S, Salehi MS, Zibaii MI, Ahmadiani A, Nabiuni M, **Dargahi L**. Epidermal neural crest stem cell-derived glia enhance neurotrophic elements in an ex vivo model of spinal cord injury. *J Cell Biochem.* **2018**; 119(4):3486-3496. doi: 10.1002/jcb.26520. PMID: 29143997
6. Seyedhosseini Tamijani SM, Beirami E, Ahmadiani A, **Dargahi L**. Effect of three different regimens of repeated methamphetamine on rats' cognitive performance. *Cogn Process.* **2018**; 19(1):107-115. doi: 10.1007/s10339-017-0839-0. PMID: 28948389
7. Beirami E, Oryan S, Seyedhosseini Tamijani SM, Ahmadiani A, **Dargahi L**. Intranasal insulin treatment alleviates methamphetamine induced anxiety-like behavior and neuroinflammation. *Neurosci Lett.* **2017**; 660:122-129. doi: 10.1016/j.neulet.2017.09.026. PMID: 28917981
8. Beirami E, Oryan S, Seyedhosseini Tamijani SM, Ahmadiani A, **Dargahi L**. Intranasal insulin treatment restores cognitive deficits and insulin signaling impairment induced by repeated methamphetamine exposure. *J Cell Biochem.* **2018**; 119(2):2345-2355. doi: 10.1002/jcb.26398. PMID: 28884876
9. Nikseresht S, Khodaghali F, **Dargahi L**, Ahmadiani A. Necroptosis Resumes Apoptosis in Hippocampus but Not in Frontal Cortex. *J Cell Biochem.* **2017**; 118(12):4628-4638. doi: 10.1002/jcb.26127. PMID: 28485476
10. Masoudi A, **Dargahi L**, Abbaszadeh F, Pourgholami MH, Asgari A, Manoochehri M, Jorjani M. Neuroprotective effects of astaxanthin in a rat model of spinal cord injury. *Behav Brain Res.* **2017**; 329:104-110. doi: 10.1016/j.bbr.2017.04.026. PMID: 28442361
11. Karbaschi R, Zardooz H, Khodaghali F, **Dargahi L**, Salimi M, Rashidi F. Maternal high-fat diet intensifies the metabolic response to stress in male rat offspring. *Nutr Metab (Lond).* **2017**; 14:20. doi: 10.1186/s12986-017-0177-3. PMID: 28261314
12. Pandamooz S, Salehi MS, Nabiuni M, **Dargahi L**, Pourghasem M. Evaluation of Epidermal Neural Crest Stem Cells in Organotypic Spinal Cord Slice Culture Platform. *Folia Biol (Praha).* **2016**; 62(6):263-267. PMID: 28189150

13. Salehi MS, Namavar MR, Tamadon A, Bahmani R, Jafarzadeh Shirazi MR, Khazali H, **Dargahi L**, Pandamooz S, Mohammad-Rezazadeh F, Rashidi FS. The Effects of Acoustic White Noise on the Rat Central Auditory System During the Fetal and Critical Neonatal Periods: A Stereological Study. *Noise Health*. **2017**; 19(86):24-30. doi: 10.4103/1463-1741.199239 .PMID: 28164936
14. Valian N, Ahmadiani A, **Dargahi L**. Escalating Methamphetamine Regimen Induces Compensatory Mechanisms, Mitochondrial Biogenesis, and GDNF Expression, in Substantia Nigra. *J Cell Biochem*. **2017**;118(6):1369-1378. doi: 10.1002/jcb.25795. PMID: 27862224
15. Fakharnia F, Khodaghali F, **Dargahi L**, Ahmadiani A. Prevention of Cyclophilin D-Mediated mPTP Opening Using Cyclosporine-A Alleviates the Elevation of Necroptosis, Autophagy and Apoptosis-Related Markers Following Global Cerebral Ischemia-Reperfusion. *J Mol Neurosci*. **2017**; 61(1):52-60. doi: 10.1007/s12031-016-0843-3 .PMID: 27664163
16. Pandamooz S, Salehi MS, Nabiuni M, **Dargahi L**. Valproic acid preserves motoneurons following contusion in organotypic spinal cord slice culture. *J Spinal Cord Med*. **2017**; 40(1):100-106. doi: 10.1080/10790268.2016.1213518 .PMID: 27576744
17. Bakhtiyari E, Ahmadian-Attari MM, Salehi P, Khallaghi B, **Dargahi L**, Mohamed Z, Kamalinejad M, Ahmadiani A. Non-polyphenolic compounds of a specific kind of dried grape (Maviz) inhibit memory impairments induced by beta-amyloid peptide. *Nutr Neurosci*. 2017; 20(8):469-477. doi: 10.1080/1028415X.2016.1183986. PMID: 27219682
18. Khallaghi B, Safarian F, Nasoohi S, Ahmadiani A, **Dargahi L**. Metformin-induced protection against oxidative stress is associated with AKT/mTOR restoration in PC12 cells. *Life Sci*. **2016**; 148:286-92. doi: 10.1016/j.lfs.2016.02.024. PMID: 26874027
19. Ghasemi R, **Dargahi L**, Ahmadiani A. Integrated sphingosine-1 phosphate signaling in the central nervous system: From physiological equilibrium to pathological damage. *Pharmacol Res*. **2016**; 104:156-64. doi: 10.1016/j.phrs.2015.11.006. Review. PMID: 26772814
20. Rahmani B, Ghasemi R, **Dargahi L**, Ahmadiani A, Haeri A. Neurosteroids; potential underpinning roles in maintaining homeostasis. *Gen Comp Endocrinol*. **2016**; 225:242-50. doi: 10.1016/j.ygcen.2015.09.030. Review. PMID: 26432100
21. Pandamooz S, Nabiuni M, Miyan J, Ahmadiani A, **Dargahi L**. Organotypic Spinal Cord Culture: a Proper Platform for the Functional Screening. *Mol Neurobiol*. **2016**; 53(7):4659-74. doi: 10.1007/s12035-015-9403-z. Review. PMID: 26310972
22. Zibaii MI, **Dargahi L**, Ronaghi A, Abedzadeh F, Pandamooz S, Salehi S, Fattahi Z, Haghparast A, Latifi H. Optogenetics and optrode technology to brain function manipulation. *PHOTOPTICS 2016 - Proceedings of the 4th International Conference on Photonics, Optics and Laser Technology*. 2016; 323-334.
23. Zibaii MI, Latifi H, Asadollahi A, Bayat AH, **Dargahi L**, Haghparast A. Label free fiber optic apta-biosensor for in-vitro detection of dopamine. *Journal of Lightwave Technology*. **2016**; 34(19): 4516-24.
24. Tamijani SM, Karimi B, Amini E, Golpich M, **Dargahi L**, Ali RA, Ibrahim NM, Mohamed Z, Ghasemi R, Ahmadiani A. Thyroid hormones: Possible roles in epilepsy pathology. *Seizure*. **2015**; 31:155-64. doi: 10.1016/j.seizure.2015.07.021. Review. PMID: 26362394

25. Nikseresht S, Khodaghohi F, Nategh M, **Dargahi L**. RIP1 Inhibition Rescues from LPS-Induced RIP3-Mediated Programmed Cell Death, Distributed Energy Metabolism and Spatial Memory Impairment. *J Mol Neurosci*. **2015**; 57(2):219-30. doi: 10.1007/s12031-015-0609-3. PMID: 26156201
26. Kolahdooz Z, Nasoohi S, Asle-Rousta M, Ahmadiani A, **Dargahi L**. Sphingosin-1-phosphate Receptor 1: a Potential Target to Inhibit Neuroinflammation and Restore the Sphingosin-1-phosphate Metabolism. *Can J Neurol Sci*. **2015**; 42(3):195-202. doi: 10.1017/cjn.2015.19. PMID: 25860537
27. Golpich M, Amini E, Hemmati F, Ibrahim NM, Rahmani B, Mohamed Z, Raymond AA, **Dargahi L**, Ghasemi R, Ahmadiani A. Glycogen synthase kinase-3 beta (GSK-3 $\beta$ ) signaling: Implications for Parkinson's disease. *Pharmacol Res*. **2015**; 97:16-26. doi: 10.1016/j.phrs.2015.03.010. Review. PMID: 25829335
28. Ahmadian-Attari MM, **Dargahi L**, Mosaddegh M, Kamalinejad M, Khallaghi B, Noorbala F, Ahmadiani A. Impairment of Rat Spatial Learning and Memory in a New Model of Cold Water-Induced Chronic Hypothermia: Implication for Alzheimer's disease. *Neurotox Res*. **2015**; 28(2):95-107. doi: 10.1007/s12640-015-9525-0. PMID: 25782579
29. Safarian F, Khallaghi B, Ahmadiani A, **Dargahi L**. Activation of S1P<sub>1</sub> receptor regulates PI3K/Akt/FoxO3a pathway in response to oxidative stress in PC12 cells. *J Mol Neurosci*. **2015**; 56(1):177-87. doi: 10.1007/s12031-014-0478-1. PMID: 25534920
30. Parsi S, Pandamooz S, Heidari S, Naji M, Morfini G, Ahmadiani A, **Dargahi L**. A novel rat model of Alzheimer's disease based on lentiviral-mediated expression of mutant APP. *Neuroscience*. **2015**; 284:99-106. doi: 10.1016/j.neuroscience.2014.09.045. PMID: 25270904
31. Amini E, Rezaei M, Mohamed Ibrahim N, Golpich M, Ghasemi R, Mohamed Z, Raymond AA, **Dargahi L**, Ahmadiani A. A Molecular Approach to Epilepsy Management: from Current Therapeutic Methods to Preconditioning Efforts. *Mol Neurobiol*. **2015**; 52(1):492-513. doi: 10.1007/s12035-014-8876-5. Review. PMID: 25195699
32. Golpich M, Rahmani B, Mohamed Ibrahim N, **Dargahi L**, Mohamed Z, Raymond AA, Ahmadiani A. Preconditioning as a potential strategy for the prevention of Parkinson's disease. *Mol Neurobiol*. **2015**; 51(1):313-30. doi: 10.1007/s12035-014-8689-6. Review. PMID: 24696268
33. Bahari Z, Manaheji H, **Dargahi L**, Daniali S, Norozian M, Meftahi GH, Sadeghi M. Time Profile of nNOS Expression in the Spinal Dorsal Horn after L5 Spinal Root Transection in Rats. *Neurophysiology*. **2015**; 47(4):287-94.
34. Ahmadian-Attari MM, Ahmadiani A, Kamalinejad M, **Dargahi L**, Shirzad M, Mosaddegh M. Treatment of Alzheimer's disease in Iranian traditional medicine. *Iran Red Crescent Med J*. **2014**; 17(1):e18052. doi: 10.5812/ircmj.18052. PMID: 25763264
35. Asle-Rousta M, Kolahdooz Z, **Dargahi L**, Ahmadiani A, Nasoohi S. Prominence of central sphingosine-1-phosphate receptor-1 in attenuating  $\alpha\beta$ -induced injury by fingolimod. *J Mol Neurosci*. **2014**; 54(4):698-703. doi: 10.1007/s12031-014-0423-3. PMID: 25239520
36. Omidbakhsh R, Rajabli B, Nasoohi S, Khallaghi B, Mohamed Z, Naidu M, Ahmadiani A, **Dargahi L**. Fingolimod affects gene expression profile associated with LPS-induced memory impairment. *Exp Brain Res*. **2014**; 232(11):3687-96. doi: 10.1007/s00221-014-4052-4. PMID: 25098558

37. Ahmadian-Attar MM, Ahmadiani A, Kamalinejad M, **Dargahi L**, Mosaddegh M. Chronic Cold Water-Induced Hypothermia Impairs Memory Retrieval and *Nepeta menthoides* as a Traditional "Hot" Herb Reverses the Impairment. *Iran J Pharm Res.* **2014**; 13(Suppl):185-93. PMID: 24711845
38. Hemmati F, Ghasemi R, Mohamed Ibrahim N, **Dargahi L**, Mohamed Z, Raymond AA, Ahmadiani A. Crosstalk between insulin and Toll-like receptor signaling pathways in the central nervous system. *Mol Neurobiol.* **2014**; 50(3):797-810. doi: 10.1007/s12035-013-8631-3. Review. PMID: 24464263
39. **Dargahi L**, Razavi-Azarkhiavi K, Ramezani M, Abaee MR, Behravan J. Insecticidal activity of the essential oil of *Thymus transcaspicus* against *Anopheles stephensi*. *Asian Pacific Journal of Tropical Biomedicine.* **2014**; 4: S589–S59.
40. Zibaii MI, Latifi H, Asadollahi A, Noraeipoor Z, **Dargahi L**. Real-time monitoring of intracellular signal transduction in PC12 cells by non-adiabatic tapered optical fiber biosensor (Conference Paper) *Proceedings of SPIE - The International Society for Optical Engineering.* **2014**; 9157.
41. Enayatfard L, Rostami F, Nasoohi S, Oryan S, Ahmadiani A, **Dargahi L**. Dual role of PPAR- $\gamma$  in induction and expression of behavioral sensitization to cannabinoid receptor agonist WIN55,212-2. *Neuromolecular Med.* **2013**; 15(3):523-35. doi: 10.1007/s12017-013-8238-x. PMID: 23794089
42. Hemmati F, **Dargahi L**, Nasoohi S, Omidbakhsh R, Mohamed Z, Chik Z, Naidu M, Ahmadiani A. Neurorestorative effect of FTY720 in a rat model of Alzheimer's disease: comparison with memantine. *Behav Brain Res.* **2013**; 252:415-21. doi: 10.1016/j.bbr.2013.06.016. PMID: 23777795
43. Asle-Rousta M, Kolahdooz Z, Oryan S, Ahmadiani A, **Dargahi L**. FTY720 (fingolimod) attenuates beta-amyloid peptide (A $\beta$ 42)-induced impairment of spatial learning and memory in rats. *J Mol Neurosci.* **2013**; 50(3):524-32. doi: 10.1007/s12031-013-9979-6. PMID: 23435938
44. Ghasemi R, **Dargahi L**, Haeri A, Moosavi M, Mohamed Z, Ahmadiani A. Brain insulin dysregulation: implication for neurological and neuropsychiatric disorders. *Mol Neurobiol.* **2013**; 47(3):1045-65. doi: 10.1007/s12035-013-8404-z. Review. PMID: 23335160
45. Sedaghat Z, Kadkhodae M, Seifi B, Salehi E, Najafi A, **Dargahi L**. Remote preconditioning reduces oxidative stress, downregulates cyclo-oxygenase-2 expression and attenuates ischaemia-reperfusion-induced acute kidney injury. *Clin Exp Pharmacol Physiol.* **2013**; 40(2):97-103. doi: 10.1111/1440-1681.12044. PMID: 23240616
46. Ghasemi R, Haeri A, **Dargahi L**, Mohamed Z, Ahmadiani A. Insulin in the brain: sources, localization and functions. *Mol Neurobiol.* **2013**; 47(1):145-71. doi: 10.1007/s12035-012-8339-9. Review. PMID: 22956272
47. Nasiraei-Moghadam S, Sherafat MA, Safari MS, Moradi F, Ahmadiani A, **Dargahi L**. Reversal of prenatal morphine exposure-induced memory deficit in male but not female rats. *J Mol Neurosci.* **2013**; 50(1):58-69. doi: 10.1007/s12031-012-9860-z. PMID: 22864979
48. Rostami F, Oryan S, Ahmadiani A, **Dargahi L**. Morphine preconditioning protects against LPS-induced neuroinflammation and memory deficit. *J Mol Neurosci.* **2012**; 48(1):22-34. doi: 10.1007/s12031-012-9726-4. PMID: 22388653

49. Khalaj L, Peirovi H, Khodaghali F, Abdi A, **Dargahi L**, Ahmadiani A. Acute 17 $\beta$ -estradiol pretreatment protects against abdominal aortic occlusion induced spinal cord ischemic-reperfusion injury. *Neurochem Res.* **2011**; 36(2):268-80. doi: 10.1007/s11064-010-0314-0. PMID: 21080066
50. Abdi A, Sadraie H, **Dargahi L**, Khalaj L, Ahmadiani A. Apoptosis inhibition can be threatening in A $\beta$ -induced neuroinflammation, through promoting cell proliferation. *Neurochem Res.* **2011**; 36(1):39-48. doi: 10.1007/s11064-010-0259-3. PMID: 20848191
51. **Dargahi L**, Nasiraei-Moghadam S, Abdi A, Khalaj L, Moradi F, Ahmadiani A. Cyclooxygenase (COX)-1 activity precedes the COX-2 induction in A $\beta$ -induced neuroinflammation. *J Mol Neurosci.* **2011**; 45(1):10-21. doi: 10.1007/s12031-010-9401-6. PMID: 20549385
52. Dutta P, **Dargahi L**, Ivankovic D, Healy LM, Dev KK. Trafficking of the GPR37/Pael receptor by interacting proteins. *Irish Journal of Medical Science.* **2011**; 180: 30.
53. Ansari N, Khodaghali F, Ramin M, Amini M, Irannejad H, **Dargahi L**, Amirabad AD. Inhibition of LPS-induced apoptosis in differentiated-PC12 cells by new triazine derivatives through NF- $\kappa$ B-mediated suppression of COX-2. *Neurochem Int.* **2010**; 57(8):958-68. doi: 10.1016/j.neuint.2010.10.002. PMID: 20946929
54. Nasiraei-Moghadam S, Kazeminezhad B, **Dargahi L**, Ahmadiani A. Maternal oral consumption of morphine increases Bax/Bcl-2 ratio and caspase 3 activity during early neural system development in rat embryos. *J Mol Neurosci.* **2010**; 41(1):156-64. doi: 10.1007/s12031-009-9312-6. PMID: 19936637
55. Dutta P, Deb D, **Dargahi L**, Ivankovic D, Dev KK. The GPR37/Pael receptor; Finding a way to the cell surface. *Drug discovery*, **2010**; 7: 36-40.

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#### NATIONAL AND INTERNATIONAL CONFERENCES

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1. 23<sup>rd</sup> Iranian Congress of Physiology and Pharmacology, 2017, Chababar: **Dargahi L**, Zibaii MI, Ronaghi A, Chavoshinezhad S, Pandamooz S, Salehi MS, Ghorbani A, Motamdi F, Ahmadiani A. Application of Optogenetics in the Study of Neurogenesis. *Oral presentation*
2. 6<sup>th</sup> Basic and Clinical Neuroscience Congress, 2017, Tehran: **Dargahi L**, Zibaii MI, Ronaghi A, Nazari MH, Haghparast A, Motamedi F. Using optogenetics for targeted neuromodulation. *Oral presentation*
3. 22<sup>nd</sup> Iranian Congress of Physiology and Pharmacology, 2015, Kashan: **Dargahi L**, Mohammad Ahmadian-Attari MM, Ahmadiani A. Alzheimer's disease therapeutic approaches; current advances and future directions. *Oral presentation*
4. 8<sup>th</sup> International Association of Neurorestoratology Congress, 2015, Tehran: Pandamooz S, Nabiuni M, Ahmadiani A, **Dargahi L**. Modeling traumatic injury in organotypic spinal cord slice culture obtained from adult rat. *Oral presentation*
5. 8<sup>th</sup> International Association of Neurorestoratology Congress, 2015, Tehran: Fakharnia F, Khodaghali F, **Dargahi L**, Ahmadiani A. Global cerebral ischemia induces necroptotic cell death in hippocampal and striatal neurons. *Oral presentation*

6. 6<sup>th</sup> Canadian Stroke Congress, 2015, Toronto: Fakharnia F, Khodagholi F, **Dargahi L**, Ahmadiani A. Inhibition of autophagy by Bafilomycine-a1 attenuates necroptotic cell death in global cerebral ischemia-reperfusion model. *Poster presentation*
7. 4<sup>th</sup> Basic and Clinical Neuroscience Congress, 2015, Tehran: Pandamooz S, Ahmadiani A, Nabiuni M, **Dargahi L**. Valproic Acid preserves Motoneurons following contusion in organotypic spinal cord slice culture. *Poster presentation*
8. 4<sup>th</sup> Basic and Clinical Neuroscience Congress, 2015, Tehran: **Dargahi L**, Zibaii MI, Latifi H, Haghparast A, Janahmadi M, Motamedi F, Ahmadiani A. Opsin gene delivery and expression; behavioral and electrophysiological proof. *Oral presentation*
9. 4<sup>th</sup> Basic and Clinical Neuroscience Congress, 2015, Tehran: Heravi M, Morshedi D, **Dargahi L**. Cytotoxic assessment of alpha-synuclein aggregates on primary hippocampal neurons compared to PC12 and SHS-Y5Y cell lines: a reliable model of synucleinopathies. *Oral presentation*
10. 4<sup>th</sup> Basic and Clinical Neuroscience Congress, 2015, Tehran: Zibaii MI, Latifi H, **Dargahi L**. Fabrication and application of optic and optoelectronic devices for optogenetics. *Oral presentation*
11. 3<sup>rd</sup> Basic and Clinical Neuroscience Congress, 2013, Tehran: Siroosi Sh, Manaheji H, **Dargahi L**. GABA-transporter GAT-1 inhibition attenuates the expression of morphine antinociceptive tolerance. *Oral presentation*
12. 4<sup>th</sup> International Symposium on Molecular Technology (Biotechnology in Progress), 2014, Tehran: Bakhtiary E, Ahmadian-Attari MM, Salehi P, Khallaghi B, **Dargahi L**, Kamalinejad M, Ahmadiani A. Protective effect of Maviz (a specific kind of dried grape) against beta amyloid peptide induced-memory impairment: role of non-polyphenolic compounds. *Poster presentation*
13. 2<sup>nd</sup> Basic and Clinical Neuroscience Congress, 2013, Tehran: Allahverdi F, Abolfathi N, Dargahi L. Measurement of biomechanical properties of PC12 neurites by using innovative MEMS device. *Poster presentation*
14. 2<sup>nd</sup> Basic and Clinical Neuroscience Congress, 2013, Tehran: Nikseresht S, Dargahi L, Khodagholi F. Apoptosis and neuroinflammation counteraction in the hippocampus neuron loss in Lipopolysaccharide (LPS)-injected rats: A timedependent study. *Poster presentation*
15. 45<sup>th</sup> European Brain and Behavior Society Meeting, 2013, Munich: Nasoohi S, **Dargahi L**, Enayatfard L, Rostami F, Ahmadiani A. Dual Role of PPAR- $\gamma$  in Induction and Expression of Behavioral Sensitization to Cannabinoid Receptor Agonist WIN55,212-2. *Poster presentation*
16. 21<sup>st</sup> Iranian Congress of Physiology and Pharmacology, 2013, Tabriz: **Dargahi L**, Asle-Rousta M, Kolahdooz Z, Omidbakhsh R, Hemmati L, Ahmadiani A. Therapeutic potential of S1P1 receptors in Alzheimer's disease. *Oral presentation*
17. 20<sup>th</sup> Iranian Congress of Physiology and Pharmacology, 2011, Hamedan: Enayatfard L, Rostami F, Oryan Sh, Ahmadianin A, **Dargahi L**. PPAR $\gamma$  activity is necessary for the development of behavioral sensitization to WIN55212-2 but plays an inhibitory role in the expression phase. *Poster presentation*
18. 20<sup>th</sup> Iranian Congress of Physiology and Pharmacology, 2011, Hamedan: Rostam F, Oryan Sh, Ahmadiani A, **Dargahi L**. Morphine preconditioning exerts anti-inflammatory and protective roles in Lipopolysaccharide induced neuroinflammation and memory deficit. *Poster presentation*

19. 20<sup>th</sup> Iranian Congress of Physiology and Pharmacology, 2011, Hamedan: Asle Rousta M, Kolahdooz Z, Oryan Sh, Ahmadiani A, **Dargahi L**. FTY720 (Fingolimod) attenuates the A $\beta$  -induced neuroinflammation and spatial memory deficit in an animal model of Alzheimer's disease. *Oral presentation*
20. 20<sup>th</sup> Iranian Congress of Physiology and Pharmacology, 2011, Hamedan: Kolahdooz Z, Asle Rousta M, Oryan Sh, Ahmadiani A, **Dargahi L**. Lipopolysaccharide induced neuronal injury and memory deficit can be reversed by sphingosine-1-phosphate receptor modulators. *Poster presentation*
21. 1<sup>st</sup> National Congress of Neuroscience, 1389 (2011), Golestan University of Medical Sciences, Gorgan, Iran: Nasiraei-Moghadam Sh, Sherafat A, Safari M-Sh, Ahmadiani A and **Dargahi L**. Sexual Maturation Repairs Prenatal Morphine Exposure Induced Memory Deficit in Male but not Female Rats. *Oral presentation*
22. 7<sup>th</sup> FENS Forum of European neuroscience, July 3-7, 2010, Amsterdam: **Dargahi L**, Nasiraei-Moghadam Sh, Abdi A, Khalaj L, Moradi F, Ahmadiani A. COX-1 activity precedes the COX-2 induction in A $\beta$  induced neuroinflammation. *Poster presentation*
23. 19<sup>th</sup> Iranian Congress of Physiology and Pharmacology, 2009, Tehran: Nasiraei-Moghadam Sh, Kazeminezhad B, **Dargahi L**, Ahmadiani A. Maternal oral consumption of morphine increases bax/bcl-2 ratio and caspase-3 activity during early neural system development in rat embryos. *Poster presentation*
24. 19<sup>th</sup> Iranian Congress of Physiology and Pharmacology, 2009, Tehran: Khalaj L, Peirovi H, Khodaghali F, Abdi A, **Dargahi L**, Mohagheghi F, Ahmadiani A. Estradiol neuroprotection against spinal cord ischemia-reperfusion; focus on cyclooxygenase, heat shock protein 70 and cleaved caspase 3. *Poster presentation*
25. 19<sup>th</sup> Iranian Congress of Physiology and Pharmacology, 2009, Tehran: Abdi A, Sadraie H, **Dargahi L**, Khalaj L, Ahmadiani A. Apoptosis inhibition can be threatening in A $\beta$ -induced neuroinflammation, through promoting cell proliferation. *Poster presentation*
26. The 9<sup>th</sup> International Conference and Exhibition on Drug Discovery, 2006, Basel: Behravan J, Ramezani M, **Dargahi L**, Abaei MR. Larvicidal Activity of *Thymus transcaspicus* essential oil against *Anopheles stephensi* (Celia). *Poster presentation*

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## TEACHING EXPERIENCES

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**2016:** Teaching cell culture basics, gene delivery, immunohistochemistry and optogenetic techniques at the 5<sup>th</sup> Tehran IBRO School of Neuroscience.

**2014:** Teaching organotypic spinal cord slice culture and immunohistochemistry techniques at the 4<sup>th</sup> Tehran IBRO School of Neuroscience.

**2013 till now:** Teaching neuro-histochemical methods to PhD students of neuroscience at Neuroscience Research Center, Shahid Beheshti University of Medical Sciences.

**2012 and 2013:** Teaching molecular cloning and basics of animal cell culture techniques at the 2<sup>nd</sup> and 3<sup>rd</sup> Tehran IBRO School of Neuroscience.



**2011-2012:** Teaching pharmacology to medical, dentistry, obstetrics and anesthesiology students at Qazvin University of Medical Sciences.

**2011 till now:** Teaching neuropharmacology and research methodology to PhD students of neuroscience at Neuroscience Research Center, Shahid Beheshti University of Medical Sciences.

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## **PROFESSIONAL MEMBERSHIPS**

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1. Executive Editor and Editorial Board Member for the Journal, Physiology and Pharmacology
2. Member of the Board Committee of Iranian Society of Physiology and Pharmacology (ISPP)
3. Member of the Iranian Medical Council
4. Member of the Iranian Pharmaceutical Association-IphA
5. Member of the Iranian Neuroscience Society