



First name: Reza

Family name: Arezoomandan

[\(Arezoomandan@yahoo.com\)](mailto:Arezoomandan@yahoo.com)

Date of birth: August 21, 1983

Citizenship: Iran (Islamic Republic of Iran)

Education

- PhD of neuroscience; Shahid Beheshti University of Medical Sciences, Iran, 2011 - 2015
- Master's degree in Physiology; Ferdusi University, Mashhad- Iran, 2005- 2008
- Bachelor's degree; Zabol University, Iran, 2001- 2005

Present position

Position: Assistant Professor

Name and address of Institution: Addiction Department, School of Behavioral Sciences and Mental Health (Institute of Tehran Psychiatry), Iran University of Medical Sciences.

Shahied Mansuri St, Niayesh St, Sattarkhan Ave, Tehran, Iran

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Professional Memberships

- Member of Iranian Neuroscience Society
- Member of Iranian Society of Physiology and Pharmacology
- Member of International Brain Research Organization (IBRO)

Research in Progress:

- Evaluation of the Effect of Minocycline on Methamphetamine Related Psychological Disorders
- Evaluation of the Effect of Sex reward and Sexual Deprivation on Morphine Acquisition, Extinction and Reinstatement

Publications

Publications in Peer-Reviewed Journals:

- **Arezoomandan A**, Haghparast A, Moradi M, Tomaz C, Attarzadeh- Yazdi G. Administration of activated glial condition medium in the nucleus accumbens extended extinction and intensified reinstatement of methamphetamine-induced conditioned place preference. *Brain Research Bulletin*. 2016, 125: 106–116
- **Arezoomandan R**, Khodagholi F, Haghparast. Administration of the glial condition medium in the nucleus accumbens prolong maintenance and intensify reinstatement of morphine- seeking behavior. *Neurochemical Research*. 2015, 1762-3
- **Arezoomandan R**, Haghparast A. Administration of glia cells modulator, minocycline, in the nucleus accumbens attenuated the maintenance but not reinstatement of morphine-induced conditioned place preference in rat. *Canadian journal of physiology and pharmacology*.2015, 94(3):257-64
- Riahi E, **Arezoomandan R**, Fatahi Z, Haghparast A. The electrical activity of hippocampal pyramidal neuron is subjected to descending control by the brain orexin/hypocretin system. *Neurobiology of Learning and Memory*. 2015, 119: 93-101.

- Attarzadeh-Yazdi G, **Arezoomandan R**, Haghparast A. Minocycline, an antibiotic with inhibitory effect on microglial activation, attenuates the maintenance and reinstatement of methamphetamine-seeking behavior in rat. *Progress in Neuro-Psychopharmacology & Biological Psychiatry*. 2014; 53:142-8
- Taslimi Z, **Arezoomandan R**, Omranifard A, Ghalandari-Shamami M, Riahi E, Vafaei AA, Rashidy-Pour A, Haghparast A. Orexin A in the ventral tegmental area induces conditioned place preference in a dose-dependent manner: involvement of D1/D2 receptors in the nucleus accumbens. *Neuroscience letter*, 2013; 27; 556:10-4.
- Haghparast A, Omranifard A, **Arezoomandan R**, Ghalandari-Shamami M, Taslimi Z, Vafaei AA, Rashidy-Pour A. Involvement of dopaminergic receptors of the rat nucleus accumbens in decreasing the conditioned place preference induced by lateral hypothalamus stimulation. *Peptides*. 2012; 37(2):225-32
- **Arezoomandan R**, Kazerani HR, Behnamrasooli M. The laxative and Prokinetic Effect of Rosa damascena Mill in Rat. *Iranian Journal of Basic Medical Sciences*. 2011; 14, 9-16.

Manuscript under preparation

- Arezoomandan R, Riahi E, Haghparast A. A glial cell modulator, minocycline, modify the effects of morphine on nucleus accumbens neurons in reinstatement phase. In preparation.

Abstracts (as poster presentation)

- **Arezoomandan R**, Kazerani HR, Behnam rasooli M. The laxative and Prokinetic Effect of *Rosa damascena* Mil in Rat(11th congress of pharmaceutical science,2009, Kerman- Iran)
- **Arezoomandan R**, Kazerani HR, Behnam rasooli M. the effect of *rosa damascena* boiled on stomach emptying in rat(11th congress of pharmaceutical science,2009, Kerman- Iran)
- **Arezoomandan R**, Kazerani HR. the effect of *rosa damascene* boiled extract on gastric emptying is independent of acetylcholine(19th congress of physiology and pharmacology, 2009, Tehran, Iran)
- **Arezoomandan R**, Haghparast A, Omranifard A, Ghalandari-Shamami M, .Involvement of D1 receptors of the rat nucleus accumbens in decreasing the conditioned place preference induced by lateral hypothalamus stimulation(8th FENS Forum of Neuroscience, 2012, Barcelona, Spain)
- **Arezoomandan R**, Taslimi Z, , Omranifard A, Ghalandari-Shamami M, Haghparast A. Orexin A in the ventral tegmental area induces conditioned place preference in a dose-dependent manner: involvement of D2 receptors in the nucleus accumbens (21st international Iranian congress of physiology and pharmacology, 2013, Tabriz, Iran)
- **Arezoomandan R**, Haghparast A. Effect of glia cells modulator, minocycline, in the nucleus accumbens on the maintenance and reinstatement of morphine-induced conditioned place preference in rat (3th Basic and Clinical Neuroscience Congress, 2014, Teheran, Iran)

Participation at Congresses and Seminars

- 10th annual international addiction science congress, 2016, Tehran, Iran
- 9th annual international addiction science congress, 2015, Tehran, Iran
- 22st international Iranian congress of physiology and pharmacology, 2015, Kashan, Iran

- 3th Basic and Clinical Neuroscience Congress, 2014, Teheran, Iran
- The 7th national congress on addiction sciences, Tehran, Iran
- 21st international Iranian congress of physiology and pharmacology, 2013, Tabriz, Iran
- 2nd Basic and Clinical Neuroscience Congress, 2013, Teheran, Iran
- 8th FENS Forum of Neuroscience, 2012, Barcelona, Spain
- 1st Basic and Clinical Neuroscience Congress, 2012, Tehran, Iran
- 20th congress of physiology and pharmacology, 2011, Hamadan, Iran
- 18th congress of physiology and pharmacology, 2007, Mashhad, Iran

Research Interests

- Neurophysiology of drug addiction and reward processes using electrophysiological methods (especially patch clamping protocols and intracellular recordings)
- Neurobiology of drug addiction and reward processes using molecular biology methods
- Behavior study of drug reward and addiction
- Role of glial cells in drug abuse
- Therapeutic effects of antioxidants on drug neurotoxicity and addiction

SKILLS

- Electrophysiology: Single Unit Recording
- Behavioral studies
- Cell Culture
- Molecular studies (immunohistochemistry and western blot)
- Statistical Analysis Software (Offline Sorter (plexone), Excel, Graph Pad; Prism)