Saeed Sadigh-Eteghad, PhD

Associate Professor of Neuroscience | Neuroscientist, Neurobiologist, Cognition & Brain Researcher

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Google Scholar | Scopus | ORCiD | LinkedIn

Biography

My research interests lie in the areas of learning and memory mechanisms in brain aging, Alzheimer's disease, and psychiatric disorders. I have been conducting extensive and diverse experiments at the cellular/molecular and behavioral levels for the evaluation of therapeutic/protective effects of nicotine, nicotinic acetylcholine receptors, and brain photobiomodulation (noninvasive brain stimulation), as cutting-edge methods of therapy, in preclinical models. Also, I am working on the discovery of a couple of peripheral biomarkers for the prediction of cognitive impairment in neurodegenerative disorders. Moreover, adjustment of computer-based cognitive evaluation batteries and cognitive rehabilitation methods for use in clinics are other fields of my research area.

Research Interests

- Molecular mechanisms of learning and memory
- Alzheimer's disease and psychiatric disorders
- Neuroinflammation and biomarkers of cognitive impairment
- Translational research in pharmacotherapy and neuroprotection
- Systematic reviews and meta-analyses

Academic Positions

- Associate Professor, Neuroscience Research Center, Tabriz University of Medical Sciences (2020–Present)
- Assistant Professor, Neuroscience Research Center, Tabriz University of Medical Sciences (2015–2020)
- Research Assistant, Razi Vaccine and Serum Research Institute, Dept. of Molecular Cell Biology (2010–2012)

Selected Publications (Last 5 Years)

- Barati A, et al., Sadigh-Eteghad S. Acute Administration of Edaravone Improves Cognitive Impairment in a Mouse Model of mPFC Ischemia. Molecular Neurobiology, 2024.
- Farajdokht F, et al., Sadigh-Eteghad S. Sericin Improves Memory Impairment via Activation of PKA-CREB-BDNF Signaling. Neurochemical Research, 2024.

- Kazmi S, et al., Sadigh-Eteghad S. Transcranial Photobiomodulation Mitigates Learning and Memory Impairments in Microgravity Model. Brain Research, 2023.
- Hosseini L, et al., Sadigh-Eteghad S. Coenzyme Q10 Ameliorates Aging-Induced Memory Deficits. Experimental Gerontology, 2022.
- Majidazar R, Rezazadeh-Gavgani E, Sadigh-Eteghad S, Naseri A. Pharmacotherapy of Alzheimer's disease: An Overview. European Journal of Clinical Pharmacology, 2022.
  More at: Google Scholar

Research Grants (Selected)

- Pharmacotherapy of Multiple Sclerosis-Induced Cognitive Impairment – PI (2022)
- Varenicline on Cognitive Impairment and Synaptic Dynamics – PI (2019)
- Nicotinamide Mononucleotide in Aging-Induced Memory Deficits – PI (2019)
  More at: ISID

Academic Service

- Guest Associate Editor, Frontiers in Neuroscience
- Reviewer for international journals in pharmacology and neuroscience