



Biography

Dr. Hakimeh Saadati, associate professor in neuroscience, received her Ph.D. from the Kerman University of medical sciences in Kerman, Iran in 2015. Currently, she works as a teacher at the faculty of medicine, at Ardabil University of Medical Sciences (ArUMS), Iran. Her research is mainly focusing on behavioral, electrophysiological, and molecular studies. He is the author of over 30 scientific papers. She also is Vice-Chancellor for basic science & Graduate Studies and also is head of the Physiology Department at the Faculty of Medicine at Ardabil University of medical sciences.

Curriculum Vitae

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Personal

- Date of birth: 29 Jan 1974
- Place of birth: Ardabil, Iran
- Sex: Female
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Education

Kerman University of medical sciences, Kerman, Iran (Ph.D. in neuroscience)

January/2011-March/2015

Tabriz University of medical sciences, Tabriz, Iran (M.Sc. in physiology)

2003-2006

Publications

[1] **H. Saadati**, S. Ghaheri, F. Sadegzadeh, N. Sakhaie, M. Abdollahzadeh, Beneficial effects of enriched environment on behavior, cognitive functions, and hippocampal brain-derived neurotrophic factor level following postnatal serotonin depletion in male rats, *International Journal of Developmental Neuroscience*, 83 (2023) 67-79.

[2] M. abdollahzadeh, H. Panahpour, S. Ghaheri, **H. Saadati**, Calcitriol supplementation attenuates cisplatin-induced behavioral and cognitive impairments through up-regulation of BDNF in male rats, *Brain Research Bulletin*, 181 (2022) 21-29.

[3] F. Mohammadian, N. Golitabari, A. Abedi, **H. Saadati**, H.S. Milan, A.-A. Salari, M. Amani, Early life GABAA blockade alters the synaptic plasticity and cognitive functions in male and female rats, *European Journal of Pharmacology*, 925 (2022) 174992.

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[5] S. Ghaheri, H. Panahpour, M. Abdollahzadeh, **H. Saadati**, Adolescent enriched environment exposure alleviates cognitive impairments in sleep-deprived male rats: Role of hippocampal brain-derived neurotrophic factor, *International Journal of Developmental Neuroscience*, 82 (2022) 133-145.

[6] S. Ghaheri, A. Niapour, N. Sakhaie, F. Sadegzadeh, **H. Saadati**, Postnatal depletion of serotonin affects the morphology of neurons and the function of the hippocampus in male rats, *International Journal of Developmental Neuroscience*, 82 (2022) 222-230.

[7] **H. Saadati**, F. Sadegzadeh, N. Sakhaie, H. Panahpour, M. Sagha, Serotonin depletion during the postnatal developmental period causes behavioral and cognitive alterations and decreases BDNF level in the brain of rats, *International Journal of Developmental Neuroscience*, 81 (2021) 179-190.

[8] **H. Saadati**, S. Noroozadeh, H. Esmaeili, K. Amirshahrokhi, J. Shadman, A. Niapour, The neuroprotective effect of mesna on cisplatin-induced neurotoxicity: behavioral, electrophysiological, and molecular studies, *Neurotoxicity research*, 39 (2021) 826-840.

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- [12] N. Sakhaie, F. Sadegzadeh, R. Dehghany, O. Adak, **S. Hakimeh**, Sex-dependent effects of chronic fluoxetine exposure during adolescence on passive avoidance memory, nociception, and prefrontal brain-derived neurotrophic factor mRNA expression, *Brain Research Bulletin*, 162 (2020) 231-236.
- [13] F. Sadegzadeh, N. Sakhaie, K. Isazadehfar, **H. Saadati**, Effects of exposure to enriched environment during adolescence on passive avoidance memory, nociception, and prefrontal BDNF level in adult male and female rats, *Neuroscience Letters*, 732 (2020) 135133.
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- [15] **H. Saadati**, V. Sheibani, S. Refahi, Z. Mashhadi, A Review of the Effects of Sleep Deprivation on Learning and Memory: the Role of Sex Hormones, *Journal of Rafsanjan University of Medical Sciences*, 17 (2018) 359-376.
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- [17] **H. Saadati**, A review of protective effects of exercise on cognitive impairments induced by sleep deprivation in female rats, *Archives of Neuroscience*, 4 (2017).
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Conference or Workshop

H. Saadati, N. Sakhaie, F. Sadegzadeh. Influences of the adolescent exposure to an enriched environment on cognitive function and hippocampal and prefrontal cortex BDNF level in adult male and female rats. 9th basic and clinical neuroscience congress. 2020. Tehran, Iran.

H. Saadati, F. Sadegzadeh, N. Sakhaie. Chronic fluoxetine treatment during adolescence enhances BDNF mRNA expression in the hippocampus and prefrontal cortex of adult rats in a sex-dependent manner. 9th basic and clinical neuroscience congress. 2020. Tehran, Iran.

Zahra Mashhadi, Mir Mehdi Chinifroush, **Hakimeh Saadati**. A Case Report of Cerebellar Hemangioblastoma in Dr. Fatemi Hospital of Ardebil. 4th international congress of pathology and laboratory medicine. 25-27 Sep. 2019 Razi international conference center- Tehran-Iran.

Soheila Refahi, **Hakimeh Saadati**. ET/MRI: current status and future perspectives. 35th Iranian Congress of Radiology, Apr 23-26, 2019, Tehran - Iran.

Hakimeh Saadati, Soheila Refahi. Functional magnetic resonance imaging and synaptic plasticity. 35th Iranian Congress of Radiology, Apr 23-26, 2019, Tehran - Iran.

Soheila Refahi, **Hakimeh Saadati**. What are the various general issues in the pediatric imaging? 34th Iranian Congress of Radiology, May 1-4, 2018, Tehran - Iran.

Soheila Refahi, **Hakimeh Saadati**. The effect of radiation on the brain. First National Conference on Bioelectromagnetism In: The First National Bioelectromagnetism Conference: Opportunities and Challenges, 25 February 2016, Tehran - Iran.

Soheila Refahi, **Hakimeh Saadati**. Brain Near-infrared spectroscopy (NIRS). 33th Iranian congress of radiology, May 9-12, 2017, Tehran - Iran.

Hakimeh Saadati, Vahid Sheibani, Soheila Refahi. Effects of exercise and/or sleep deprivation on anxiety – like behavior and body weight of female rats. 5th Basic and Clinical Neuroscience Congress, Dec 7-9, 2016, Tehran - Iran.

Hakimeh Saadati, Vahid Sheibani, Soheila Refahi, Maryam Salari. The effects of pre and post learning sleep deprivation on cognitive function. 5th Basic and Clinical Neuroscience Congress, Dec 7-9, 2016, Tehran - Iran.

Hakimeh Saadati, Vahid Sheibani. Sleep Deprivation and Cognitive Impairments in Female Rats: The Beneficial Effects of Exercise. The 6th FAONS Congress & the 11th Biennial Conference of CNS, Sep 20-23, 2015, Zehejiang - China.

Hakimeh Saadati, Vahid Sheibani, Saeed Esmaeili-Mahani, Fatemeh Darvishzadeh-Mahani. The effect of regular exercise on brain-derived neurotrophic factor levels in the hippocampus

of sleep-deprived female rats. In: 3rd Congress of Basic and Clinical Neurosciences, November 7-9, 2013, Razi International Conference Center - Tehran - Iran.

Maryam, Salari , Vahid Shibani, **Hakimeh Saadati**, Ali Mohammad Pour Rahimi, and Khadijeh Esmaeilpour. (2013) The beneficial effect of regular exercise on impaired long-term memory in sleep-deprived female rats. In: 3rd Congress of Basic and Clinical Neurosciences, November 7-9, 2013, Razi International Conference Center - Tehran - Iran.

Hakimeh Saadati, , Khadijeh Esmaeilpour. (2013). The effect of caffeine on sleep loss-induced deficit in spatial learning and memory of female rats. In: 3rd Congress of Basic and Clinical Neurosciences, November 7-9, 2013, Razi International Conference Center - Tehran - Iran.

Hakimeh Saadati, Vahid , Masoud Nazeri, Khadijeh Esmaeilpour. (2012). Positive effect of physical exercise on learning and memory impairments induced by paradoxical sleep deprivation in female rats. In: Second Congress of Basic and Clinical Neurosciences, 27-29 December 2012, Tehran, Razi Conference Center.

Executive responsibilities

1. Vice-Chancellor of Basic Sciences and Graduate Studies of the Faculty of Medicine
2. Member of the Research Council of the Faculty of Medicine
3. Member of the Educational Council of the Faculty of Medicine and University
4. Responsible for the Student Research Committee of the Faculty of Medicine
5. Referee of several scientific articles from prestigious scientific journals
6. Head of the Physiology Department at the Faculty of Medicine at Ardabil University of medical sciences.
7. Membership as an alumni in International Brain Research Organization (IBRO)