CURRICULUM VITAE



Masoumeh Nozari

February 2019

GENERAL INFORMATION

Born: February 1, 1979, Kerman –Iran
Citizenship: Iranian
Marital status: Married with one child

EMAILS

Masoumeh.nozari@yahoo.com
Masoumeh.nozari@gmail.com
M.nozari@kmu.ac.ir
Postal code: 7616914111
Phone: (98-34) 33257581
Fax: (98-34) 33257581

EDUCATION

2011 - 2015	Kerman University of Medical Sciences, Ph.D. Major: Neuroscience Advisor: Mohammad Shabani, Ph.D. Nafiseh Atapour, Ph.D.
2008 - 2011	Tehran University of Medical Sciences, MSc. Major: Medical Physiology Advisor: Arezo Nahavandi, MD, Ph.D.
1998 - 2002	Kerman University of Medical Sciences, **B**Sc Major: Nursing

ACADEMIC EMPLOYMENT

2015 - Present	Assistant Professor, Kerman University of Medical Sciences,

HONORS AND AWARDS

Honors Distinction

2016 Awarded for Dissertation entitled: "Effects of enriched environment on behavioral and cellular alterations in an animal model of schizophrenia"

Travel Award

2016 The Asian/Pacific Travel Grant
2012 Riken brain science institute (BSI) Riken BSI summer program, internship course
2012 2nd Tehran IBRO School of Neuroscience, Molecular, Electrophysiological and behavioral approaches

PROFESSIONAL AFFILIATIONS AND SERVICES

Professional Organization Member

International Brain Research Organization (IBRO)
Iranian Neuroscience Society

Committee Member

Neuroscience Research Center, Kerman University of Medical Sciences (2011)

PUBLICATIONS

1. Behavioral Consequences of Simultaneous Postnatal Exposure to MK-801 and Static Magnetic Field in Male Wistar Rats. Saeedi Goraghani M, Ahmadi-Zeidabadi M, Bakhshaei S, Shabani M, Ghotbi Ravandi S, Rezaei Zarchi S, **Nozari M*.** Neurosci Lett. 2019 Feb 18. pii: S0304-3940(19)30118-1. doi: 10.1016/j.neulet.2019.02.026.

2. Early enriched environment preventscognitive impairment in in an animal model of schizophrenia induced by MK-801: Role of hippocampal BDNF. Faatehi M, Basiri M, Nezhadi A, Shabani M, Masoumi-Ardakani Y, Soltani Z, **Nozari M***. Brain Res. 2019 Jan 21. pii: S0006-8993(19)30039-3. doi: 10.1016/j.brainres.2019.01.023.

3. Evaluation of prepulse inhibition and memory impairments at early stage of cirrhosis may be considered as a diagnostic index for minimal hepatic encephalopathy. Aghaei I, Saeedi Saravi SS, Ghotbi Ravandi S, **Nozari M**, Roudbari A, Dalili A, Shabani M, Dehpour AR.

Physiol Behav. 2017 May 1;173:87-94. doi: 10.1016/j.physbeh.2017.01.033. Epub 2017 Jan 21.

4. The impact of early environmental interventions on structural plasticity of the axon initial segment in neocortex. **Nozari M**, Suzuki T, Rosa MG, Yamakawa K, Atapour N. Dev Psychobiol. 2017 Jan;59(1):39-47. doi: 10.1002/dev.21453. Epub 2016 Jul 30. Erratum in: Dev Psychobiol. 2017 Jul;59(5):673.

5. Effects of enriched environment on alterations in the prefrontal cortex GFAP-and S100B-immunopositive astrocytes and behavioral deficits in MK-801-treated rats; M Rahati, **M Nozari**, H Eslami, M Shabani, M Basiri; Neuroscience. 2016 Jun 21;326:105-116. doi: 10.1016/j.neuroscience.2016.03.065. Epub 2016 Apr 5.

6. Sex-specific restoration of MK-801-induced sensorimotor gating deficit by environmental enrichment; M Nozari, M Shabani, AM Farhangi, S Mazhari, N Atapour; Neuroscience. 2015 Jul 23;299:28-34. doi: 10.1016/j.neuroscience.2015.04.050. Epub 2015 Apr 29.

7. Postnatal MK-801 treatment of female rats impairs acquisition of working memory, but not reference memory in an eight-arm radial maze; no beneficial effects of enriched environment. **Nozari M**, Mansouri FA, Shabani M, Nozari H, Atapour N. Psychopharmacology (Berl). 2015 Jul;232(14):2541-50. doi: 10.1007/s00213-015-3890-5. Epub 2015 Mar 7.

8. Psychological or physical prenatal stress differentially affects cognition behaviors. Nazeri M, Shabani M, Ghotbi Ravandi S, Aghaei I, **Nozari M**, Mazhari S. Physiol Behav. 2015 Apr 1;142:155-60. doi: 10.1016/j.physbeh.2015.02.016. Epub 2015 Feb 7.

9. Enriched environment prevents cognitive and motor deficits associated with postnatal MK-801 treatment. **Nozari M**, Shabani M, Hadadi M, Atapour N. Psychopharmacology (Berl). 2014 Nov;231(22):4361-70. doi: 10.1007/s00213-014-3580-8. Epub 2014 Apr 26.

CONFERENCE PRESENTATIONS

SPEAKER OR AS A MEMBER OF PANEL BOARD

- High School Students' Panel (BCNC2016). Ali Shahbazi, Sareh Asadi,Peyman Hassani Abharian, Maryam Jafarian, Marzieh Zare, **Masoumeh Nozari**
- Emotion, Motivation and Behavior (BCNC2017). Mehrdad Roghani - Homa Rasouli - Javad Mahmoudi- Saadi Lotfali - Fereshteh Golab - **Masoumeh Nozari**
- Undergraduate-Students Seminar (BCNC2017).

POSTERS

- Forced swim test is reliable to detect chronic immobility induced depression, 20th Iranian Congress of Physiology & Pharmacology, 2011.
- The Effect of Enriched Environments on the Plasticity at Axon Initial Segment of Cortical Pyramidal Cells in Schizophrenia, Riken BSI summer program,2012
- Young rats raised in an enriched environment do not develop motor and cognitive deficits induced by early postnatal blockade of NMDA receptors, Second International Basic and Clinical Neuroscience Congress (BCNC 2013).
- Gender-specific restoration of MK-801-induced sensorimotor gating deficit by environmental enrichment, third International Basic and Clinical Neuroscience Congress (BCNC 2014).
- The impact of early environmental interventions on structural plasticity of the axon initial segment in neocortex (BCNC 2016)
- Postnatal MK-801 treatment of female rats impairs acquisition of working memory, but not reference memory in an eight-arm radial maze; no beneficial effects of enriched environment (BCNC 2017).
- Effects of simultaneous exposure to magnetic fields and MK-801 administration on anxiety like behaviors in rats, 2nd International and 23rd Iranian Congress of Physiology and Pharmacology,2017
- The effect of TNFα injection within embryonic period on pain threshold in adult male rats, 2nd International and 23rd Iranian Congress of Physiology and Pharmacology,2017
- Effects of magnetic fields on learning and memory in an animal model of schizophrenia, 2nd International and 23rd Iranian Congress of Physiology and Pharmacology,2017
- The effects of resveratrol on pain threshold in valproic acid-induced autism in rats in hot plate test, 2nd International and 23rd Iranian Congress of Physiology and Pharmacology,2017

TEACHING EXPERIENCE

Teaching Medical Physiology and Neuroscience to graduate and undergraduate students in Kerman University of Medical Sciences

TECHNICAL SKILLS

- ***BEHAVIORAL NEUROSCIENCE:***
  Pain evaluating test in rodent (Hot plate, Formalin, Tail - Flick)
  Learning and memory test in rodent (Radial Maze, Morris water maze, one and two-way avoidance task…)
  Rodent Model of Depression
  Rodent Model of schizophrenia (Prepulse inhibition, Startle reflex)
  Rodent Model of Autism
  Stereotaxic method (Brain Cannulation)
- ***PATCH- CLAMP RECORDING***
- ***IMMUNOHISTOCHEMISTRY***
- ***TRANSCARDIAL PERFUSION***
- ***COMPUTER SKILLS***

SPSS software
Prism software
Reference management software (EndNote, Mendeley)

PRESENT ACTIVITIES/PROJECTS

COMPLETED PROJECTS

- Effects of magnetic field on memory and anxiety –like behaviors in an animal model of schizophrenia with MK-801, (Advisor: Saeedi Goraghani M)
- Evaluations of physical and psycological prenatal stress on anxiety - and depression-like behaviors in Wistar male and female Offspring's rats, (Advisor : Ghotbi Ravandi S)
- Effects of enriched environment on prefrontal glial cells in an animal model of schizophrenia, (Advisor: M Rahati)
- Effects of enriched environment on spatial memory and locomotor activity in an animal model of schizophrenia, (Advisor: Hadadi M)
- Investigation of the effect of enriched envirnment on hippocampal BDNF expression and microglia response in animal model of schizophrenia induced by MK-801, (Supervisor: Faatehi M)
- Investigating effects of MK-801 on astrocytes and neurons of prefrontal cortex in an animal model of autism induced by valproic acid, Supervisor, (Supervisor: Mohammadi S)
- Investigation of the effects of berberine on anxiety – like behavior ,motor and cognitive disorders induced by MK-801 in male and female rats.

ONGOING ACTIVITIES

- Investigating the reversal learning in Radial arm maze and the effect of agmatine on it in the animal model of autism (valproic acid), (Supervisor: Parvan M)

- Evaluating the effects of estrogen and tamoxifen on leptin sensitivity in female mice C57BL/6J at middle-aged nourished with high fat and standard diet: determination of levels some of cytokines and estrogen receptor α. (Advisor: Farhadi Z)

- Study of the effects of resveratrol on pain threshold in valproic acid-induced autism in rats, (Advisor: Saeedi N)

- Investigation of the effect of prenatally administered vitamin E on behavioral alterations in an animal model of autism