



**Tabriz University of Medical Sciences (TUOMS)
School of Medicine**

Curriculum Vitae

Personal Data:

First name: Mohammad

Last name: Karimipour

Nationality: Iranian

Date of birth: 24/12/1977

Place of birth: Khoy city, West Azerbaijan, Iran

Specialty: Anatomical Sciences

Academic rank: Associate Professor

Department/Research Center: Department of Anatomical Sciences

Address (Office): Faculty of medicine, Tabriz University of Medical Sciences, Gholgasht Avenue,
Tabriz, Iran

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h-index (Google Scholar): 13

h-index (Scopus): 10

ORCID ID: <https://orcid.org/0000-0002-6975-4308>

Scopus ID: 55982979100

Researcher ID: D-8910-2016



Fields of interest

Neural Stem Cells and Regenerative Neuroscience

Skills: (language, software...)

Persian, Turkish, English, Image J, SPSS, Graph Pad Prism, Photoshop, Neural stem cell culture, Flow cytometry, Immunocytochemistry, Immunohistochemistry, Immunofluorescence, Real-time RT-PCR, Western blot, Elisa, MTT assay, Stereology, Small lab animal handling and surgical techniques, Perfusion fixation, Stereotaxic surgery, Tissue processing, and staining procedures, TEM, SEM, Induction of animal models (Stroke, AD, PD), Functional and behavioral tests.

Educational Background:

| Date | Degree | Institution | Country |
|------------|--|--|---------|
| 2013- 2014 | Research course (Neural stem cells and Regenerative neuroscience) | Brain Repair Center, Institute for neuroscience and physiology, Gothenburg University, Gothenburg | Sweden |
| 2008-2014 | Ph.D. (Anatomical Sciences) | Isfahan University of Medical Sciences | IRAN |
| 2000-2004 | M.SC (Anatomical Sciences) | Shiraz University of Medical Sciences | IRAN |
| 1996-2000 | Bachelor of Science (Nursing) | Urmia University of Medical Sciences | IRAN |

Sabbaticals:

| Start and End Date (month/year) | Details |
|------------------------------------|---------|
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Thesis

| Degree | Title |
|----------------------|---|
| Ph.D (Supervisor) | The investigation of the effect of neural stem cells and reelin glycoprotein on neurogenesis and neural tissue regeneration in the animal model of internal capsule photothrombotic stroke |
| Ph.D (Supervisor) | The effect of exosomes derived astrocytes and reelin glycoprotein on neurogenesis and neural tissue regeneration in the animal model of hippocampal photothrombotic stroke |
| Ph.D (Supervisor) | Evaluation of the effectiveness of concomitant use of neural stem cells (NSCs) and hyaluronic acid hydrogel (HA) containing Ciliary Neurotrophic Factor (CNTF) on the recovery of brain cortex in mice model of cerebral stroke |
| Ph.D (Supervisor) | The investigation of the effect of neural stem cells and PLGA-PEG hydrogel loaded with reelin glycoprotein to reconstruction of nervous system in a mouse stroke model |
| Ph.D (Supervisor) | The Evaluation of the Effect of Neurotrophic Factor–Secreting Cells (Astrocyte Like Cells on Neurogenesis in Hippocampus and Cognitive Behavior in Alzheimer, s disease Animal Model |
| Ph.D (Supervisor) | Comparison the effect of dexamethasone with Platelet-Rich Plasma (PRP) derived exosomes on molecular, histological and motor skills alterations in animal model of spinal cord injury |
| M.SC (Supervisor) | The evaluation of the effect of PCLF (poly- caprolactone fumarate) three-dimensional scaffold on the proliferation and differentiation of neural stem cells derived from the sub-ventricular zone in the adult mice |
| M.SC | The comparison of the effect of (PLGA) and (PLGA-PEG) Poly (Lactide-Co- |

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| (Supervisor) | Glycolide)/Polyethylene Glycol biomaterials on proliferation and neural differentiation of human neural SH-SY5Y cells |
| M.SC (Supervisor) | The comparison of the effect of (PLGA) and (PLGA-PEG) Poly (Lactide-Co-Glycolide)/Polyethylene Glycol biomaterials on synaptogenesis and neural arborization of human neural SH-SY5Y cells |
| M.SC (Supervisor) | The effect of neurotrophic factors-secreting cells on synaptogenesis and Tau protein phosphorylation in an in vitro model of Alzheimer's disease |
| M.SC (Supervisor) | The evaluation of the effect of neural stem cells supernatant on Wnt- β catenin signaling pathway and neurocognitive behaviors in the model of Alzheimer's disease) |
| GP (Supervisor) | The stereological investigation of the effect of neurotrophic factor- secreting cells on volume changes in different parts of the hippocampus in a model of Alzheimer's disease |
| GP (Supervisor) | The evaluation of the effect of neural stem cells condition media on the volume alterations and atrophy of the hippocampal subdivisions in the Model of Alzheimer's disease |
| GP (Supervisor) | The evaluation of the effect of cerebrolysin on the spinal cord neural stem cells behavior, reconstruction and functional recovery in the rat model of spinal cord injury |
| Ph.D (Advisor) | Study of CDNF-Loaded PLLA Nanobiomaterial Effect on Endogenous Neural Stem Cell Migration and Functional Recovery in a Rat Model of Parkinson's disease |
| Ph.D (Advisor) | Synthesis and characterization of biocompatible poly aniline derivates as electro conductive scaffolds and study of their influence on stem cell behavior |
| Ph.D (Advisor) | Fabrication and characterization of a hybrid scaffold for controlling the neural stem cell function |
| Ph.D (Advisor) | The investigation of the effect of neural stem cells and hyaluronic acid hydrogel loaded with tenascin C glycoprotein to reconstruction of sensorimotor cortex in a mouse model of photochemical ischemia |
| Ph.D (Advisor) | Comparison of the effect of the supernatant derived-amniotic fluid stem cells on differentiation and reprogramming of the astrocyte derived-amniotic fluid stem cells and astrocyte cell line into neuroblasts in spinal cord injury in in-vivo |
| Ph.D (Advisor) | Investigation of the effect of cannabinoids on the viability and proliferation of neural stem cells and expression of inflammatory factors of TLR/NF-kB signaling pathway following injury in -vitro |
| Ph.D (Advisor) | Evaluation of regeneration of calvarial bone defect using intravenous co-injection of adipose stem cell- derived exosome and IL-1 |

Educational experience

Teaching

| Date (month/year) | Course Name, Venue (Institution, Address) |
|-------------------|---|
| ۲۰۲۲- Up to now | Neuroanatomy, Developed neuroanatomy, Clinical neuroanatomy, Immunohistochemistry, Morphometry and Stereology, Cell therapy in the neurological disorders, Neuroregeneration, Neurohistology and Neuroembryology, Development and Regeneration of the Organs, Stem Cells. Faculty of Medicine, Tabriz University of Medical Sciences, Gholgasht |

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| | Avenue, Tabriz |
| ۲۰۲۰-۲۰۲۱ | Neuroanatomy, Immunohistochemistry, Morphometry and Stereology, Cell therapy in the neurological disorders, Neuroregeneration, Neurohistology and Neuroembryology, Development and Regeneration of the Organs, Stem Cells, Faculty of Medicine, Tabriz University of Medical Sciences, Gholgasht Avenue, Tabriz |
| ۲۰۱۸-۲۰۱۹ | Neuroanatomy, Head and Neck anatomy, Cell therapy in the neurological disorders, Cell culture, Neuroregeneration, Neurohistology and Neuroembryology, Cellular and Molecular evaluations of the Cells and Tissues. Faculty of Medicine, Tabriz University of Medical Sciences, Gholgasht Avenue, Tabriz |
| ۲۰۱۶-۲۰۱۷ | Neuroanatomy, Head and Neck anatomy, Neuroregeneration, Neurohistology and Neuroembryology. Faculty of Medicine, Tabriz University of Medical Sciences, Gholgasht Avenue, Tabriz |
| ۲۰۱۴- ۲۰۱۵ | Neuroanatomy, Head and Neck anatomy. General anatomy, Upper limb anatomy, Trunk anatomy (Thorax and abdomen). Faculty of Medicine, Tabriz University of Medical Sciences, Gholgasht Avenue, Tabriz |

Workshop(s)

| Date (month/year) | Course Name, Venue (Institution, Address) |
|-------------------|---|
| ۱۰/17/ 2016 | Research methodology, RDCC, Tabriz University of Medical Sciences, Tabriz, Iran |
| 6 / ۱۰ / 2016 | Research Ethics, RDCC, Tabriz University of Medical Sciences, Tabriz, Iran |
| 9/ ۱۲ / 2016 | Scientific Writing and publication Skills, RDCC, Tabriz University of Medical Sciences, Tabriz, Iran |
| 30 / 10/ 2014 | Human brain dissection workshop, 3rd Basic and Clinical Neuroscience Congress. Tehran, Iran |
| 20-21/ 2 / 2013 | SDS-PAGE and Western Blotting, Biology Department of University of Isfahan, Isfahan, Iran |
| 26-30/ 10/ 2011 | First Annual Workshop on Neural Stem Cells, National Institute of Genetic Engineering and Biotechnology. Tehran-Iran |
| 2010 | Real-Time-PCR Workshop, Royan Institute, Tehran, Iran |
| 2009 | Flow cytometry and Immunocytochemistry Workshop, Stem Cell Technology Research Center, Tehran, Iran |
| 2007 | The methods of processing of tissue and working with Transmission Electron Microscope, Applied Drug Research Center, Tabriz University of Medical |

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| | Sciences, Tabriz, Iran |
| 2003 | The methods of cell culture, The Research Center of Shiraz University of Medical Sciences. Shiraz, Iran |
| 2002 | Stereology, Three-dimensional measurement, Shiraz University of Medical Sciences. Shiraz, Iran |
| 2003 | The processing of tissue for Light & Transmission Electron Microscope, Shiraz University of Medical Sciences, Shiraz, Iran |
| 2006 | The methods of working with laboratory animals, injection and sampling, Applied Drug Research Center, Tabriz University of Medical Sciences, Tabriz, Iran |
| 2002 | Dissection of Human body, Shiraz University of Medical Sciences. Shiraz, Iran |

Lecture(s)

| Date (month/year) | Details |
|-------------------|---|
| 2022- Up to now | Developed neuroanatomy, applied head, and neck anatomy, Scientific Writing, Clinical neuroanatomy, Human Brain Dissection, Human Brain Dissection, Neural stem cell biology, Neurodegeneration, and Neuroregeneration |
| 2020-2021 | Clinical neuroanatomy, applied head, and neck anatomy, Developed neuroanatomy, Scientific Writing, Human Brain Dissection, Neural stem cell biology, Neurodegeneration, and Neuroregeneration |
| 2018-2019 | Developed neuroanatomy, Research methods in neuroscience, Human Brain Dissection, Neural stem cell biology, Neurodegeneration, and Neuroregeneration |
| 2016-2017 | Applied head and neck anatomy, Research methods in neuroscience |

Research Activities:

Research areas, Interests

- 1) Embryonic and Adult Neural Stem Cell Biology
- 2) Adult Neurogenesis and Gliogenesis
- 3) Research in Regenerative Neuroscience
- 4) Neural Tissue Engineering
- 5) Molecular, Cellular and Behavioral Neuroscience
- 6) Hole-Cell Patch Clamp Electrophysiology
- 7) Cellular and Molecular Aspects of Differentiation of Neural Stem Cells
- 8) Animal Models of Neurodegenerative Disease and Regeneration
- 9) Demyelinating Disorders and Remyelination Strategies
- 10) Cellular and Molecular Mechanisms in Neurodegenerative Medicine

Books:

| N | Title | authors | Publisher | Authorship/ Translation/ |
|---|---|---|-----------------|----------------------------------|
| 1 | Neuroanatomy, For Medical Sciences Students | Khaki A.A, Karimipour M, Karimfar M.H, Karimi KH | Medical News | |

Selected articles:

| N | Title | authors | Journal | Year | Indexed in (Scopus, Medline, WOS,) |
|---|---|---|---------------------------------|------------|--|
| 1 | Neurotrophic factor-secreting cells restored endogenous hippocampal neurogenesis through the Wnt/ β -catenin signaling pathway in AD model mice | Gozal Bahlakeh, Reza Rahbarghazi, Ali Abedelahi, Saeed Sadigh-Eteghad, Mohammad Karimipour | Stem Cell Research and Therapy, | 2022; June | Indexed in (Scopus, Medline, WOS,) |
| 2 | Insights into the Critical Role of Exosomes in the Brain; from Neuronal Activity to Therapeutic Effects | Morteza Heidarzadeh , Emel Sokullu , Sepideh Saghati , Mohammad Karimipour , Reza Rahbarghazi | Mol Neurobiol. | 2022; May | Indexed in (Scopus, Medline, WOS,) |
| 3 | Neural Stem Cells Secretome Increased Neurogenesis and Behavioral Performance and the Activation of Wnt/ β -Catenin | Hijroudi F, Rahbarghazi R, Sadigh-Eteghad S, Bahlakeh G, Hassanpour M, Shimia M, Karimipour M | Neuromolecular Med. | 2022; May | Indexed in (Scopus, Medline, WOS,) |

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|---|---|--|--|---------------------------|---|
| | Signaling Pathway in Mouse Model of Alzheimer's Disease. | | | | |
| 4 | Effect of aberrant DNA methylation on cancer stem cell properties. | Zeinab Mazloumi, Raheleh Farahzadi, Ali Rafat, Khadijeh Dizaji Asl, Mohammad Karimipour, Majid Montazer, Ali Akbar Movassaghpour, Alireza Dehnad, Hojjatollah Nozad Charoudeh. | Exp Mol Pathol. | 2022; Apr | Indexed in (Scopus, Medline, WOS,) |
| 5 | Transplantation of bioengineered Reelin-loaded PLGA/PEG micelles can accelerate neural tissue regeneration in photothrombotic stroke model of mouse. | Zahra Shabani, Reza Rahbarghazi, Mohammad Karimipour, Tahereh Ghadiri, Roya Salehi, Saeed Sadigh-Eteghad, Mehdi Farhoudi. | <u>Bioengineering & Translational Medicine. 2021</u> | 2022; 24 October. | (Scopus, Medline, WOS,) |
| 6 | Fabrication, characterization and evaluation of the effect of PLGA and PLGA-PEG biomaterials on the proliferation and neurogenesis potential of human neural SH-SY5Y cells. | Asghari Niari S, Rahbarghazi R, Salehi R, Kazemi L, Fathi Karkan S, Karimipour M. | Microsc Res Tech | . 2021; Dec 3. | (Scopus, Medline, WOS,) |
| 7 | Biomaterials patterning regulates neural stem cells fate and behavior: The interface of biology and material science. | Niari SA, Rahbarghazi R, Geranmayeh MH, Karimipour M. | J Biomed Mater Res A. | 2021; Nov 9. | (Scopus, Medline, WOS,) |
| 8 | The Restorative Effect of Human Amniotic Fluid Stem Cells on Spinal Cord Injury. | Lale Ataei M, Karimipour M, Shahabi P, Pashaei-Asl R, Ebrahimie E, Pashaiasl M. | Cells. | 2021; Sep 28;10(10):2565. | (Scopus, Medline, WOS,) |
| 9 | Current knowledge and challenges | Bahlakeh G, Rahbarghazi R, | Cell & Biosci. | 2021; Oct | (Scopus, |

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|----|---|---|-----------------------|------------------------------|------------------------------|
| | associated with targeted delivery of neurotrophic factors into the central nervous system: focus on available approaches. | Mohammadnejad D, Abedelahi A, Karimipour M. | | 12;11(1):181. | Medline, WOS,) |
| 10 | Application of neurotrophic factor-secreting cells (astrocyte - Like cells) in the in-vitro Alzheimer's disease-like pathology on the human neuroblastoma cells. | Jahed FJ, Rahbarghazi R, Shafaei H, Rezaabakhsh A, Karimipour M. | Brain Res Bull. | 2021; Jul; 172:180-189. | (Scopus, Medline, WOS,) |
| 11 | Evaluation of the Effect of Hyaluronic Acid-Based Biomaterial Enriched With Tenascin-C on the Behavior of the Neural Stem Cells. | Shahi M, Mohammadnejad D, Karimipour M, Rahbarghazi R, Abedelahi A. | Int J Toxicol. | 2021; May-Jun;40(3):218-225. | (Scopus, Medline, WOS,) |
| 12 | Evaluation of the neuroprotective effects of Vitamin E on the rat substantia nigra neural cells exposed to electromagnetic field: An ultrastructural study. | Shabani Z, Mohammad Nejad D, Ghadiri T, Karimipour M. | Electromagn Biol Med. | 2021; Jul 3;40(3):428-437. | (Scopus, Medline, WOS,) |
| 13 | Modulatory properties of extracellular matrix glycosaminoglycans and proteoglycans on neural stem cells behavior: Highlights on regenerative potential and bioactivity. | Shabani Z, Ghadiri T, Karimipour M, Sadigh-Eteghad S, Mahmoudi J, Mehrad H, Farhoudi M. | Int J Biol Macromol. | 2021; Feb 28; 171:366-381. | (Scopus, Medline, WOS,) |
| 14 | Does the Global Outbreak of COVID-19 or Other Viral Diseases Threaten the | Bagheri HS, Karimipour M, Heidarzadeh M, Rajabi H, Sokullu E, Rahbarghazi R. | Stem Cell Rev Rep. | 2021; Feb;17(1):214-230. | (Scopus, Medline, WOS,) |

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|----|---|---|-------------------------------------|--------------------------------------|------------------------------|
| | Stem Cell Reservoir Inside the Body? | | | | |
| 15 | A potential entanglement between the spinal cord and hippocampus: Theta rhythm correlates with neurogenesis deficiency following spinal cord injury in male rats. | Soltani Zangbar H, Ghadiri T, Vafae MS, Ebrahimi Kalan A, Karimipour M, Fallahi S, Ghorbani M, Shahabi P. | J Neurosci Res. | 2020; Sep 1. Online ahead of print. | (Scopus, Medline, WOS,) |
| 16 | Polycaprolactone fumarate acts as an artificial neural network to promote the biological behavior of neural stem cells. | Vafaei A, Rahbarghazi R, Kharaziha M, Avval NA, Rezaabakhsh A, Karimipour M. | J Biomed Mater Res B Appl Biomater. | 2020; Aug 14. Online ahead of print. | (Scopus, Medline, WOS,) |
| 17 | Biosensors for detection of Tau protein as an Alzheimer's disease marker. | Ameri M, Shabaninejad Z, Movahedpour A, Sahebkar A, Mohammadi S, Hosseindoost S, Ebrahimi MS, Savardashtaki A, Karimipour M, Mirzaei H. | Int J Biol Macromol. | 2020; Jun 27; | (Scopus, Medline, WOS,) |
| 18 | Superior Synaptogenic Effect of Electrospun PLGA-PEG Nanofibers Versus PLGA Nanofibers on Human Neural SH-SY5Y Cells in a Three-Dimensional Culture System. | Kazemi L, Rahbarghazi R, Salehi R, Abedelahi A, Niari SA, Karimipour M, Nasrabadi HT. | J Mol Neurosci. | 2020; May 21. Online ahead of print. | (Scopus, Medline, WOS,) |
| 19 | Exact location of sensorimotor cortex injury after photochemical modulation; evidence of stroke based on stereological and morphometric studies in mice. | Shahi M, Abedelahi A, Mohammadnejad D, Rahbarghazi R, Rasta SH, Karimipour M. | Lasers Med Sci. | 2020; Apr 15. Online ahead of print. | (Scopus, Medline, WOS,) |
| 20 | Hyaluronic acid and regenerative | Shahi M, Mohammadnejad D, | Curr Mol Med, | 2020, mar 25 | (Scopus, |

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|----|--|---|---------------------------------|--|------------------------------|
| | medicine: New insights into the stroke therapy. | Karimipour M, Rasta SH, Rahbarghazi R, Elahi AA, | | | Medline, WOS,) |
| 21 | Cord blood stem cell derived CD16 ⁺ NK cells eradicated acute lymphoblastic leukemia cells using with anti-CD47 antibody. | Valipour B, Abedelahi A, Naderali E, Velaei K, Movassaghpour A, Talebi M, Montazersaheb S, Karimipour M, Darabi M, Chavoshi H, Nozad Charoudeh H. | Life Sci. | 2020; 2019 Dec 24. | (Scopus, Medline, WOS,) |
| 22 | Tumor-derived extracellular vesicles: insights into bystander effects of exosomes after irradiation. | Jabbari N, Karimipour M, Khaksar M, Akbariazar E, Heidarzadeh M, Mojarad B, Aftab H, Rahbarghazi R, Rezaie J | Lasers Med Sci. | 2020; Apr;35(3):531-545. Epub 2019 Sep 16. | (Scopus, Medline, WOS,) |
| 23 | Volumetric investigation of the hippocampus in rat offspring due to diabetes in pregnancy-A stereological study. | Sadeghi A, Asghari H, Hami J, Mohasel Roodi M, Mostafae H, Karimipour M, Namavar M, Idoon F | J Chem Neuroanat. | 2019; Nov; 2019 20. | (Scopus, Medline, WOS,) |
| 24 | Nano-featured poly (lactide-cocoglycolide)-graphene microribbons as a promising substrate for nerve tissue engineering. | NA Aval, R Emadi, A Valiani, M Kharaziha, M Karimipour, R Rahbarghazi. | Composites Part B: Engineering, | 2019; (173), 106863. | (Scopus, Medline, WOS,) |
| 25 | Quercetin promotes learning and memory performance concomitantly with neural stem/progenitor cell proliferation and neurogenesis in the adult rat dentate gyrus. | Karimipour M, Rahbarghazi R, Tayefi H, Shimia M, Ghanadian M, Mahmoudi J, Bagheri HS. | Int J Dev Neurosci. | 2019; May; 74:18-26. Epub 2019 Feb 26. | (Scopus, Medline, WOS,) |
| 26 | Effect of cerebral dopamine neurotrophic factor on endogenous neural | Nasrolahi A, Mahmoudi J, Karimipour M, Akbarzadeh A, Sadigh-Eteghad S, Salehi R, | EXCLI J. | 2019; Mar 5; 18:139-153. eCollection 2019. | (Scopus, Medline, WOS, |

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|----|--|--|--|--|------------------------------|
| | progenitor cell migration in a rat model of Parkinson's disease. | Farajdokht F, Farhoudi. | | |) |
| ۲7 | NK cells: An attractive candidate for cancer therapy. | Valipour B, Velaei K, Abedelahi A, Karimipour M, Darabi M, Charoudeh HN. | J Cell Physiol. | 2019; Nov;234(11): Epub 2019 Apr 16. | (Scopus, Medline, WOS,) |
| ۲8 | Neurotrophic factors hold promise for the future of Parkinson's disease treatment: is there a light at the end of the tunnel? | Nasrolahi A, Mahmoudi J, Akbarzadeh A, Karimipour M, Sadigh-Eteghad S, Salehi R, Farhoudi M. | Rev Neurosci. | 2018; Jul 26;29(5):475-489. 2017-0040. | (Scopus, Medline, WOS,) |
| ۲9 | Exosomes and their Application in Biomedical Field: Difficulties and Advantages. | Rezaie J, Ajezi S, Avci ÇB, Karimipour M, Geranmayeh MH, Nourazarian A, Sokullu E, Rezaabakhsh A, Rahbarghazi R. | Mol Neurobiol. | 2018; Apr;55(4):3372-3393. Epub 2017 May 11. | (Scopus, Medline, WOS,) |
| 30 | Integration of the Neural Stem and Progenitor Cells into Existing Neuronal Circuitry and Adult Neurogenesis in the Dentate Gyrus of the Hippocampus. | M Karimipour, H Tayefi, M Shimia, J Mahmoudi. | Journal of Experimental and Clinical Neurosciences. | 2017;4 (1), 1-6 | (Medline, WOS,) |
| 31 | Novel effects of Rosa damascena extract on memory and neurogenesis in a rat model of Alzheimer's disease. | Esfandiari Ebrahim, Karimipour Mohammad, Mardani Mohammad, Alaei Hojjatallah, Ghannadian Mustafa, Mohammadnejad Daryoush, Kazemi Mohammad, Hosseini Nasrin, Esmaeili Abolghasem: | Journal of Neuroscience Research. | 2014; 92(4):517-30. | (Scopus, Medline, WOS,) |
| 32 | Manipulation endogenous neurotrophic factors: A promising therapy in Alzheimer's disease (hypothetic study). | M Karimipour, E Esfandyari, M Mardani, S Babri, H Allaei, A Esmaeilli. | Alzheimer's & Dementia: The Journal of the Alzheimer's Association | 2011;4(7); e59-e60. | (Scopus, Medline, WOS,) |

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|----|---|--|--|---|------------------------------|
| 33 | study on the effect of thiotepa on mice spermatogenesis using Light and Electronic Microscope. | D.M.Nejad, J.S.Rad, L.Roshangar, M. Karimipour, A.Azami and M.R. Valilou, A | Pakistan Journal of Biological Sciences. | 2008; 11 (15): 1929-1934. | (Scopus, Medline, WOS,) |
| ۳۴ | The Influence of Exposure to Stress of Pregnant Rats on the Adrenal Gland Structure of their Offspring. An Unbiased Stereological Study. | Noorafshan A, Karimipour M, Bahmanpour S, Dehghani F. | Scand. J. Lab. Anim. Sci. | No. 2005; 3(32). | (Scopus, Medline, WOS,) |
| ۳۵ | Stimulation and recruitment of hippocampal neural stem cells as a novel and efficient therapeutic strategy in the treatment of Alzheimer's disease: A review study. | Rahbarghazi R, Karimipour M. | Stud Med Sci. | 2020; 31 (10):764-791. | (Scopus, Medline, WOS,) |
| ۳۶ | Aloe Vera/Collagen Mixture Induces Integrin $\alpha 1\beta 1$ and PECAM-1 Genes Expression in Human Adipose-Derived Stem Cells. | Sigaroodi F, Shafaei H, Karimipour M, Dolatkhah MA, Delazar A. | Adv Pharm Bull. | 2019; Oct;9(4):662-667. Epub 2019 Oct 24. | (Scopus, Medline, WOS,) |
| ۳۷ | Novel Effects of Rosa damascena Extract on Patients with Neurocognitive Disorder and Depression: A Clinical Trial Study. | Esfandiary E, Abdolali Z, Omranifard V, Ghanadian M, Bagherian-Sararoud R, Karimipour M, Mahaki B, Dabiri S. | Int J Prev Med. | Jun 29; 9:57. eCollection 2018. | (Scopus, Medline, WOS,) |
| ۳۸ | Mummy Material Can Promote Differentiation of Adipose Derived Stem Cells into Osteoblast through Enhancement of Bone Specific Transcription Factors Expression. | Eyvazi M, Farahzadi R, Karimian Fathi N, Karimipour M, Soleimani Rad J, Montaseri A. | Adv Pharm Bull. | 2018; Aug;8(3):457-464. Epub 2018 Aug 29. | (Scopus, Medline, WOS,) |
| ۳۹ | Neuroprotective | Esfandiari Ebrahim, | Adv Biomed Res. | 2015;27; 4:131. | (Scopus, |

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|--|---|--|--|-------------------------|
| effects of the Rosa damascena extract on learning and memory in a rat model of amyloid- β induced Alzheimer's disease. | Karimipour Mohammad, Mardani Mohammad, Alaei Hojjatallah, Ghannadian Mustafa, Mohammad nejad Daryoush, Esmaeili Abolghasem: | | | us, Medline, WOS,) |
|--|---|--|--|-------------------------|

Research projects:

| N | Title | Details |
|---|--|---|
| 1 | Evaluation of the combined application of neuronal stem cells with RGD-loaded RADA16 in neurogenesis and neural tissue regeneration in an animal model of photothrombotic stroke | 1- Department of Anatomical Sciences 2-Neuroscience Research Center, Tabriz University of Medical Sciences, 2022-2023 |
| 2 | Study the effect of mitochondrial therapy on the cognitive performance in the mPFC region in the photothrombotic stroke model in small animals | Department of Neuroscience, Tabriz University of Medical Sciences, 2021-2022 |
| 3 | Study the effect of mesenchymal stem cells extracted from aerobically trained rats on neuronal repair and cognitive functioning skills in cerebral ischemic male rats | Department of Neuroscience, Tabriz University of Medical Sciences, 2020-2021 |
| 4 | The comparison of the effect of PCLF(poly- caprolactone fumarate) three- dimensional scaffold on the behavior of adult neural stem cells derived from the sub-ventricular zone and the dentate gyrus in the adult mice | 1- Department of Anatomical Sciences, Tabriz University of Medical Sciences 2- Stem Cell Research Center, Tabriz University of Medical Sciences, 2018-2019 |
| 5 | Evaluation of the neuroprotective effects of quercetin on learning and memory through adult neurogenesis and synaptic plasticity mechanisms in a rat model of Alzheimer's disease | Department of Anatomical Sciences, Tabriz University of Medical Sciences, 2017-2018 |
| 6 | Study the effect of the transplantation of adipose-derived mesenchymal stem cells on memory, neurogenesis and synaptic plasticity mechanisms in a rat model of Alzheimer's disease | Department of Anatomical Sciences, Tabriz University of Medical Sciences, 2015-2016 |
| 7 | Study the behavior of neural stem cells in the context of stroke and neuroplasticity | Center for Brain Repair , Institute for neuroscience and physiology, Gothenburg university, Sweden, 2013-2014 |

Positions held: (past- current)

| Start and End Date | Job Title, Responsibilities and achievements |
|---------------------------|---|
| 2022- Up to now | Editorial Role (Review editor for stem cell research section in Frontiers in Cell and Developmental Biology and Frontiers in Genetics) |
| 2022- Up to now | Research deputy of the Applied Cell Sciences Department |
| 2022- Up to now | Research deputy of the Neuroscience Department |
| 2021- Up to now | Research deputy of the Anatomical Sciences Department |
| 2019-2021 | Head of department of the Applied Cell Sciences |
| 2017-2020 | Research deputy of the Anatomical Sciences Department |

Association Memberships (past and current)

| Start and End Date | Job Title, Responsibilities and achievements |
|---------------------------|---|
| 2015- Up to now | Member of Iranian Neuroscience Society |
| 2017- Up to now | Member of Iranian Society of Anatomical Sciences |
| 2019- 2021 | Member of Institute for Stem Cell Biology and Regenerative Medicine |

Awards and Recognitions

| Start and End Date | Details |
|---------------------------|----------------|
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References:

- 1- H. Georg Kuhn, PH.D, Professor for Regenerative Neuroscience, Center for Brain Repair and Rehabilitation, Institute for Neuroscience and Physiology, University of Gothenburg, Sweden
E-mail: georg.kuhn@neuro.gu.se
- 2- Ebrahim Esfandiari, PH.D, Professor of Anatomical Sciences, post doct of Neuroscience, Department of Anatomical Sciences, Faculty of Medicine, Isfahan University of Medical Sciences, Isfahan, Iran
E-mail: esfandiari@med.mui.ac.ir
- 3- Soghra Bahmanpour, PH.D, Professor of Anatomical Sciences, Department of Anatomical Sciences, Faculty of Medicine, Shiraz University of Medical Sciences, Shiraz, Iran
E-mail: bahmanpour@yahoo.com



Mohammad Karimi-Dar