

Curriculum Vitae

Personal information

Name: Zeinab Namjoo

Date of birth: 1987-02-2

Place of birth: Ardabil – Iran

Marriage status: married

Citizenship: Iranian

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Educational records

- 2012 – 2018** Iran University of Medical Science, Tehran, Iran
PhD in Anatomical Science
“Assay of co-administration effect of estrogen and Wistar rat’s Schwann cells to improve mitochondrial function in spinal cord injury model in adult male Wistar rat” supervised by prof.Mohammad Taghi Joghataei.
- 2010 – 2012** Shahid Beheshti University of Medical Science
Master in Anatomical Science
“Evaluation of the differentiation process of human adipose tissue derived mesenchymal stem cells to skeletal muscle-like cells: an in vitro study”

supervised by prof. Mohammad Hassan Heydari.

2007-2010 Iranian Crescent Institute of Higher Education for Applied Science
Bachelor of Technical Orthopedics

Honors and awards

- Award winner in national research day in Iran University of Medical Science, 2016.
- Ranked first position in countrywide MSs of Anatomy entrance exam, 1999.
- Ranked eighth position in the TMU PhD of Anatomy entrance exam, 2002.

Professional experiences

Teaching experiences:

1. Lecture in IUMS, TUMS, Shahid Beheshti, Tehran, Iran.
Subjects Taught: Histology, Embryology, Stem Cells, Anatomy, Anatomy & Histology lab for B.Sc, Medical, MSc and PhD students.
2. Teaching Gross Anatomy (Head & Neck, Trunk) for Medical, Dental doctor and B.Sc students (practical and theoretical).
3. Teaching Histology for Medical doctor, Pharmacology and Paramedical students (practical and theoretical).

Research experiences

2010 – 2012 lecturer and researcher (student), Department of Anatomical Science,
School of Medical Science, Shahid Beheshti University, Tehran, Iran.

2012- 2018 lecturer and researcher (student), Department of Anatomical Science,
School of Medical Science, Iran University, Tehran, Iran.

2018 – to now lecturer and researcher (master), Department of Anatomical Science,
School of Medical Science, Ardabil University, Ardabil, Iran.

Technical experiences

- Isolation, Purification and culture of Adipose tissue derived Stem Cells and Schwann cells (rodent & human).
- Cell transplantation into Spinal Cord injured rats.
- Neurodegenerative disease (MS, SCI) modeling in rodent.
- PCR method
- Immunohistochemistry and Immunocytochemistry methods.

Publications

Persian

1. **Z Namjoo**, MH Heydari, M Norouzian, M Farahani Mastari, T Altarihi, M Piryaeei, V Bayati. Evaluation of the differentiation process of human adipose tissue-derived mesenchymal stem cells to skeletal muscle-like cells: an in vitro study. Journal of North Khorasan University of Medical Sciences. 2013; 5(1) 147-158.

English

1. **Zeinab Namjoo**, Fateme Moradi, Roya Aryanpour, Abbas Piryaeei, Mohammad Taghi Joghataei, Yusef Abbasi, Amir Hosseini, Sajad Hassanzadeh, Fatemeh Ranjbar Taklimie, Cordian Beyer, Adib Zendedel. Combined effects of rat Schwann cells and 17 β -estradiol in a spinal cord injury model. Journal of Metabolic Brain Disease. 2018; 33(5) 147-158.
2. **Zeinab Namjoo**, Keywan Mortezaee, Mohammad T Joghataei, Fateme Moradi, Abbas Piryaeei, Yusef Abbasi, Amir Hosseini, Jamal Majidpoor. Targeting axonal degeneration

and demyelination using combination administration of 17 β -estradiol and Schwann cells in the rat model of spinal cord injury. *Journal of cellular biochemistry*. 2018.

3. Roya Aryanpour, Parichehr Pasbakhsh, Kazem Zibara, **Zeinab Namjoo**, Fatemeh Beigi Boroujeni, Saeed Shahbeigi, Iraj Ragerdi Kashani, Cordian Beyer, Adib Zendehtdel. Progesterone therapy induces an M1 to M2 switch in microglia phenotype and suppresses NLRP3 inflammasome in a cuprizone-induced demyelination mouse model. *International immunopharmacology*. 2017; (51) 131-139.
4. Sajad Hassanzadeh, Seyed Behnamedin Jameie, Mehdi Mehdizadeh, Mansooreh Soleimani, **Zeinab Namjoo**, Maryam Soleimani. FNDC5 expression in purkinje neurons of adult male rats with acute spinal cord injury following treatment with methylprednisolone. *Journal of Neuropeptides*. 2018.
5. Masoud Najafi, Eniseh Salehi, Bagher Farhood, Maryam Shabani Nashtaei, Nasser Hashemi Goradel, Neda Khanlarkhani, **Zeinab Namjoo**, Keywan Mortezaee. Adjuvant chemotherapy with melatonin for targeting human cancers: A review. *Journal of cellular physiology*. 2018.
6. Mohammad Taghi Joghataei, Amir Hosseini, Javad Mohajer Ansari, Ehsan Golchini, **Zeinab Namjoo**, Keywan Mortezaee, Ebrahim Pirasteh, Amirhossein Dehghani, Saeid Nassiri. Variations in the Anatomy of Sphenoid Sinus: A Computed Tomography Investigation. *Journal of Pharmaceutical Research International*. 2019.
7. Sajad Hassanzadeh, Maryam Jalessi, Seyed Behnamedin Jameie, Mehdi Khanmohammadi, Zohre Bagher, **Zeinab Namjoo**, Seyed Mohammad Davachi. More attention on glial cells to have better recovery after spinal cord injury. *Biochemistry and Biophysics Reports*. 2021.
8. Reza Sardar, Zahra Zandieh, **Zeinab Namjoo**, Mansoureh Soleimani, Reza Shirazi, Javad Hami . Laterality and sex differences in the expression of brain-derived neurotrophic factor in developing rat hippocampus. *Metabolic brain disease*. 2021.
9. Reza Sardar, Javad Hami, Mansoureh Soleimani, Mohammad-Taghi Joghataei, Reza Shirazi, Fereshteh Golab, **Zeinab Namjoo**, Zahra Zandieh. Maternal diabetes-induced alterations in the expression of brain-derived neurotrophic factor in the developing rat hippocampus. *Journal of Chemical Neuroanatomy*. 2021.
10. Roya Aryanpour, Kazem Zibara, Parichehr Pasbakhsh, Seyyed Behnamodin Jame'ei, **Zeinab Namjoo**, Amir Ghanbari, Reza Mahmoudi, Showan Amani, Iraj Ragerdi Kashani. 17 β -Estradiol Reduces Demyelination in Cuprizone-fed Mice by Promoting M2 Microglia Polarity and Regulating NLRP3 Inflammasome. *Neuroscience*. 2021.
11. Hatef Ghasemi Hamidabadi, Sara Simorgh, Seyed Kamran Kamrava, **Zeinab Namjoo**, Zohreh Bagher, Maryam Nazm Bojnordi, Ali Niapour, Sina Mojaverrostami, Mohammad Reza Saeb, Payam Zarrintaj, Arta Olya, Rafieh Alizadeh. Promoting motor functions in a spinal cord injury model of rats using transplantation of differentiated human olfactory stem cells: A step towards future therapy. *Behavioural Brain Research*. 2021.

12. Sara Simorgh, Zohreh Bagher, Mohammad Farhadi, Seyed Kamran Kamrava, Mahdi Eskandarian Boroujeni, **Zeinab Namjoo**, Farshid Qiyami Hour, Salah Moradi, Rafieh Alizadeh. Magnetic Targeting of Human Olfactory Mucosa Stem Cells Following Intranasal Administration: a Novel Approach to Parkinson's Disease Treatment. *Molecular Neurobiology*. 2021.
13. Bahareh Nazari, **Zeinab Namjoo**, Fatemeh Moradi, Mansure Kazemi, Somayeh Ebrahimi-Barough, Esmail Sadroddiny, Jafar Ai. miR-219 overexpressing oligodendrocyte progenitor cells for treating compression spinal cord injury. *Metabolic Brain Disease*. 2021.

Books translated into Persian

Anatomy

1. Pocket Atlas of Head and Neck Anatomy

Histology

1. Junqueira's Basic Histology, text and color atlas: 12th edition (2013)
2. diFiore's Atlas of Histology: with Functional Correlations (Atlas of Histology (Di Fiore's)) 13th edition.
3. Histology and Cell Biology: An Introduction to Pathology 4th Edition.
4. Longman Medical Embryology: 14th edition (2019).
5. Junqueira's Basic Histology, text and color atlas: 16th edition (2021).

Experiences

- Certificate of "workshop of research method", 2015, IUMS, Tehran, Iran.
- Certificate of "Quantitative Real-Time PCR workshop", 2017, Royan, Tehran, Iran.
- Certificate of "Immunohistochemistry workshop", 2017, Royan, Tehran, Iran.