

In The Name of God

Curriculum Vitae



Name: Jafar Fallahi

Date and Place of Birth: October 30th, 1986, Marvdasht Iran

Marital Status: Married

Professional Address: Department of Molecular Medicine, School of Advanced Medical Sciences and Technologies, Shiraz University of Medical Sciences, Shiraz, 71348-14336 Iran.

Tel: +98713 2305471

E-mail: jafarf80@gmail.com

Education:

Ph.D.: 2013-2018, Molecular Medicine, School of Advanced Medical Sciences and Technologies, Shiraz University of Medical Sciences, Shiraz.

M.Sc.: 2010-2012, Cell and Molecular Biology, National Institute of Genetic Engineering and Biotechnology, Tehran.

B.Sc.: 2005-2009, Biology, Razi university, Kermanshah.

Oral and Poster Presentation in Congresses

- The 17th National & 5th International Iranian Biology Conference, August 2012, High efficiency of the chelating process for purification of recombinant alpha-synuclein proteins.
- The 17th National & 5th International Iranian Biology Conference, August 2012, Study of the effect of histidine sequence on purification and fibrillation of alpha-synuclein protein.

- 3th International Student Biotechnology Congress, 2013, The suitable purification method for investigation on Alpha-synuclein involved in Parkinson disease.
- 9th Yazd International Congress & Student Award on Reproductive Medicine, May 2021, Prevalence of cytomegalovirus in semen of male partners of infertile couples and the virus impact on sperm parameters.
- 4th National Bioinformatics Conference of Iran, October 2012, Comparison of the effect of histidine sequence on alpha-synuclein protein accumulation based on predictive and laboratory results (**Oral**).

Publications

- Gene-edited cells: novel allogeneic gene/cell therapy for epidermolysis bullosa. F. Gila, V. Alamdari-Palangi, ..., **J. Fallahi**. Journal of Applied Genetics. 2024/3/9.
- Understanding the prion-like behavior of mutant p53 proteins in triple-negative breast cancer pathogenesis: The current therapeutic strategies and future directions. Y. Naeimzadeh, A. Tajbakhsh, **J. Fallahi**. Heliyon, 2024/2/10.
- Partial Reprogramming as a Method for Regenerating Neural Tissues in Aged Organisms. A. Saber Sichani, S. Khoddam, ..., M. Sisakht, **J. Fallahi**. Cellular Reprogramming. 2024/2/1.
- PyComp: A Versatile Tool for Efficient Data Extraction, Conversion, and Management in High-throughput Virtual Drug Screening. M. Sisakht, M. K. Shahrestanaki, **J. Fallahi**, V. Razban. Current Computer-aided Drug Design, 2024/1/8.
- The role of tissue factor in signaling pathways of pathological conditions and angiogenesis. Z. Heidari, Y. Naeimzadeh, **J. Fallahi**, ..., Sahar Khajeh. Current Molecular Medicine, 2024.
- An Investigation into Cell-Free DNA in Different Common Cancers. Nafar, S., Hosseini, K., Shokrgozar, ..., **J. Fallahi**. An Investigation into Cell-Free DNA in Different Common Cancers. Mol Biotechnol (2023).

- Harnessing the Power of CAR-NK Cells: A Promising Off-the-Shelf Therapeutic Strategy for CD38-Positive Malignancies. M. Asadi, ..., **J. Fallahi**, A. Ramezani, N. Erfani. *Iranian Journal of Immunology*, 2023/12/1.
- Gene therapy approaches for GM1 gangliosidosis: Focus on animal and cellular studies. K. Hosseini, **J. Fallahi**, S. M. B. Tabei, V. Razban. *Cell Biochemistry and Function*, 29 November, 2023.
- Recent advances and applications of peptide–agent conjugates for targeting tumor cells. Alamdari-palangi, V., Jaberi, K.R., Shahverdi, M, ..., **Fallahi J.** *J Cancer Res Clin Oncol* 149, 15249–15273 (2023).
- The Role of Circular RNAs in Male Infertility and Reproductive Cancers: A Narrative Review. Derakhshan Z, Bahmanpour S, Alaei S, **Fallahi J**, Tabei SMB. *Iran J Med Sci.* 2023, 1;48(6):527-541.
- A Review on Epigenome Editing using CRISPR-based Tools to Rejuvenate Skin Tissues. A. Saber Sichani, M. Baneshi, M. Ranjbar, Y. Naeimzadeh, **J. Fallahi**. *Int J Bioinform Intell Comput.* 2023, 2 (2).
- A review on advanced CRISPR-based genome-editing tools: base editing and prime editing. A. Saber Sichani, M. Ranjbar, M. Baneshi, F. Torabi Zadeh, **J. Fallahi**. *Mol Biotechnol* 65, 849–860 (2023).
- Exosome as a target for cancer treatment. Nafar S, Nouri N, Alipour M, **Fallahi J**, Zare F, Tabei SMB. *Journal of Investigative Medicine.* 2022;70(5):1212-1218.
- Angiogenesis in diabetic mouse model with critical limb ischemia; cell and gene therapy Asadi-Yousefabad, S.-L., Nammian, P., Tabei, S.M.B., **Fallahi J**,...Razban, V., Sheikhha, M.H. *Microvascular Research*, 2022, 141, 104339.
- Genetically modified bone marrow mesenchymal stem cells and dental pulp mesenchymal stem cells by HIF-1alpha overexpression, differs in survival and angiogenic effects after in animal model of hind limb ischemia Moradi, S., **Fallahi, J.**, Tanideh, N., ...Tabei, S.M.B., Razban, V. *Gene Reports*, 2021, 25, 101187.
- Functional mechanisms of miR-192 family in cancer Mishan, M.A., Tabari, M.A.K., Parnian, J., **Fallahi J.**, ...Mahrooz, A., Bagheri, A. *Genes Chromosomes and Cancer*, 2020, 59(12), pp. 722–735.
- CRISPR/Cas9 knock-in toward creating a Rett syndrome cell model with a synonymous mutation in the MECP2 gene Khalili Alashti, S., **Fallahi, J.**, Jokar, A., Fardaei, M. *Journal of Gene Medicine*, 2020, 22(11), e3258.

- Recurrent pregnancy loss in the female with a heterozygous mutation in KHDC3L gene. **Fallahi, J.**, Alashti, S.K., Aliabadi, B.E., Mohammadi, S., Fardaei, M. Gene Reports, 2020, 20, 100721.
- The FOXP1-related syndrome with two novel mutations in the FOXP1 gene. Khalili Alashti, S., Nejabat, M., Tabei, S.M.B., ...**Fallahi, J.**, Fardaei, M. Gene Reports, 2020, 20, 100723.
- Prevalence of cytomegalovirus in semen of male partners of infertile couples and the virus impact on sperm parameters Jahromi, B.N., Yaghobi, R., Matlub, N., ...Salarian, L., **Fallahi, J.** Journal of Reproduction and Infertility, 2020, 21(2), pp. 124–129.
- Identifying a novel pathogenic mutation in exon 3 of arid1a gene in colon cancer. Erfani, M., Mokarram, P., Mokhtari, M., **Fallahi, J.** Middle East Journal of Cancer, 2020, 11(2), pp. 225–229.
- Two novel mutations in the MECP2 gene in patients with Rett syndrome. Khalili Alashti, S., **Fallahi, J.**, Mohammadi, S., ...Jokar, A., Fardaei, M. Gene, 2020, 732, 144337.
- Founder effect of KHDC3L, p.M1V mutation, on Iranian patients with recurrent hydatidiform moles. **Fallahi, J.**, Anvar, Z., Razban, V., ...Namavar-Jahromi, B., Fardaei, M. Iranian Journal of Medical Sciences, 2020, 45(2), pp. 118–124.
- A novel mutation in NLRP7 related to recurrent hydatidiform mole and reproductive failure. **Fallahi, J.**, Razban, V., Momtahan, M., ...Anvar, Z., Fardaei, M. International Journal of Fertility and Sterility, 2019, 13(2), pp. 135–138.
- Clinical and genetic-epigenetic aspects of recurrent hydatidiform mole: A review of literature. Moein-Vaziri, N., **Fallahi, J.**, Namavar-Jahromi, B., ...Momtahan, M., Anvar, Z. Taiwanese Journal of Obstetrics and Gynecology, 2018, 57(1), pp. 1–6.
- Using small molecules as a new challenge to redirect metabolic pathway. Morshedi D, **Fallahi J.**...3 Biotech. 2014.