

## **Curriculum Vitae**

**First Name: Gelareh**

**Last Name: Vahabzadeh**

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**PharmD, Ph.D of Pharmacology**

### **Current Position:**

Associate Professor in Department of Pharmacology, Iran University of Medical Sciences

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### **Education:**

- 2001-2007 Doctor of Pharmacy (Pharm.D), Islamic Azad University, Faculty of Pharmacy
- 2007--2013 PhD Pharmacology, Tehran University of Medical Science, Faculty of Medicine

### **Honors:**

- 1- Second place position in Ph.D board Exam
- 2- Get the grade 19.90 in Ph.D Thesis

## Scientific full paper:

- 1- **Vahabzadeh, G.**, N. Rahbar-Roshandel, S.-A. Ebrahimi and M. Mahmoudian (2015). "Neuroprotective effect of nospapine on cerebral oxygen–glucose deprivation injury." Pharmacological Reports **67**(2): 281-288.
- 2- Nasiripour, S., K. Gholami, S. Mousavi, A. Mohagheghi, M. Radfar, M. Abdollahi, Z. Khazaeipour, **G. Vahabzadeh** and M. Mojtahedzadeh (2014). "Comparison of the Effects of Enoxaparin and Heparin on Inflammatory Biomarkers in Patients with ST-segment Elevated Myocardial Infarction: A prospective Open Label Pilot Clinical Trial." Iranian journal of pharmaceutical research: IJPR **13**(2): 583.
- 3- Saffarzadeh, F., A. Hafezi, **G. Vahabzadeh** and F. Karimzadeh (2015). "Extracellular recording of field potentials of the brain tissues: a review of in vitro and in vivo experimental models." Shefaye Khatam **3**(2): 85-92.
- 4- **Vahabzadeh, G.**, Ebrahimi, S. A., Rahbar-Roshandel, N., & Mahmoudian, M. (2016). The Effect of Nospapine on Oxygen-Glucose Deprivation on Primary Murine Cortical Neurons in High Glucose Condition. *Iranian journal of pharmaceutical research: IJPR*, *15*(2), 501.
- 5- Shirazi, A., Golab, F., Sanadgol, N., Barati, M., Salehi, R. M., **Vahabzadeh, G.**, ... & Zarchi, S. R. (2016). Evaluation of the Neurotrophic Factors in Animal Model of Myelin Destruction Induced by Cuprizone in C57bl/6 Mice. *The Neuroscience Journal of Shefaye Khatam*, *4*(2), 47-54.
- 6- Ramezanloo, F., Najafizadeh, P., Naji, T., Amin, G., Mousavi, Z., & **Vahabzadeh, G.** (2017). The Effect of Hydro-alcoholic Extract of Leaves of Vitex on the Gestation Indices of Male Rats. *Journal of Pharmaceutical & Health Sciences*, *5*(1), 61-69.
- 7- Noorolhoda Fotovat Eskandari, **Gelareh Vahabzadeh \***, Fereshteh Golab, Fariba Karimzadeh, Parvaneh Rahimi-Moghadam, Somayyeh Nasiripour, Robabeh Shabani. (2017) Neuroprotective Effects of Stiripentol on Oxygen-Glucose Deprivation in Primary Culture of Fetal Mice Cortical Neurons
- 8- Mehrabi, S., Sanadgol, N., Barati, M., Shahbazi, A., **Vahabzadeh, G.**, Barzroudi, M., ... & Golab, F. (2018). Evaluation of metformin effects in the chronic phase of spontaneous seizures in pilocarpine model of temporal lobe epilepsy. *Metabolic brain disease*, *33*(1), 107-114.
- 9- Babahajian, A., Sarveazad, A., Golab, F., **Vahabzadeh, G.**, Alizadeh, A., Rasoolijazi, H., ... & Katebi, M. (2018). Neuroprotective Effects of Trolox, Human Chorionic Gonadotropin, and Carnosic Acid on Hippocampal Neurodegeneration After Ischemia-reperfusion Injury. *Current stem cell research & therapy*.

- 10- Katebi, A., Golab, F., **Vahabzadeh, G.**, Sarveazad, A., Goodarzi, N., Fazelpour, S., ... & Soleimani, M. (2018). The Effects of Different Dose of Chronic Ritalin on the Brain of Prepubertal Female Balb/C Mice. *International Journal of Pediatrics*, 6(7), 7883-7892.
- 11- Naderi, J., Samani, F., Amooheidari, A., Javanmard, S. H., **Vahabzadeh, G.**, & Vaseghi, G. (2019). Evaluation of effects of morphine and ionizing radiation in cancer cell lines.
- 12- Bakhshayesh M, Moaveni A, Yazdanparast SA, **Vahabzadeh G.** Some Principal Issues of Molecular Techniques in Health Research: Facilitators and Barriers, Advantages and Disadvantages. *IJPR*. 2017 Jan 1;8(1):1533-9.
- 13- Naderi J, Samani F, Amooheidari A, Javanmard SH, **Vahabzadeh G**, Vaseghi G. Evaluation of effects of morphine and ionizing radiation in cancer cell lines. *Journal of Cancer Research and Therapeutics*. 2019;15(8):S144-52.
- 14- Babahajian A, Sarveazad A, Golab F, **Vahabzadeh G**, Alizadeh A, Rasoolijazi H, Amini N, Entezari M, Soleimani M, Katebi M, Haramshahi S. Neuroprotective Effects of Trolox, Human Chorionic Gonadotropin, and Carnosic Acid on Hippocampal Neurodegeneration After Ischemia-reperfusion Injury. *Current stem cell research & therapy*. 2019 Feb 1;14(2):177-83.
- 15- Goudarzi N, Shabani R, Ebrahimi M, Baghestani A, Dehdashtian E, **Vahabzadeh G**, Soleimani M, Moradi F, Katebi M. Comparative phenotypic characterization of human colostrum and breast milk-derived stem cells. *Human Cell*. 2020 Apr;33(2):308-17.
- 16- **Vahabzadeh G**, Soltani H, Barati M, Golab F, Jafari-Sabet M, Safari S, Moazam A, Mohamadrezaei H. Noscipine protects the H9c2 cardiomyocytes of rats against oxygen-glucose deprivation/reperfusion injury. *Molecular Biology Reports*. 2020 Aug;47(8):5711-9.
- 17- **Vahabzadeh G**, Rahbar-Roshandel N, Ebrahimi SA. Noscipine modulates neuronal response to oxygen-glucose deprivation/reperfusion injury via activation of sigma-1 receptor in primary cortical cultures. *Iranian Journal of Pharmaceutical Research: IJPR*. 2020;19(1):331.
- 18- Khalighfard S, Khori V, Alizadeh AM, **Vahabzadeh G**, Tajaldini M, Sedighi S, Nozarian Z, Khodayari H, Khodayari S, Ganji F, Malekshahi ZV. Dual effects of atorvastatin on angiogenesis pathways in the differentiation of mesenchymal stem cells. *European Journal of Pharmacology*. 2021 Sep 15;907:174281.
- 19- Tanbakooei S, Haramshahi SM, **Vahabzadeh G**, Barati M, Katebi M, Golab F, Shetabi Q, Niknam N, Roudbari L, Fomeshi MR, Moghadam SA. Ovarian Stem Cells Differentiation into Primary Oocytes Using Follicle Stimulating Hormone, Basic Fibroblast Growth Factor, and Neurotrophin 3. *Journal of Reproduction & Infertility*. 2021 Oct;22(4):241.

- 20- Alipour S, Khalighfard S, Khori V, Amiriani T, Tajaldini M, Dehghan M, Sadani S, Omranipour R, **Vahabzadeh G**, Eslami B, Alizadeh AM. Innovative targets of the lncRNA-miR-mRNA network in response to low-dose aspirin in breast cancer patients. *Scientific Reports*. 2022 Jul 14;12(1):1-22.
- 21- Navazesh A, Rasoolijazi H, Rahmani G, Bavi S, **Vahabzadeh G**, Soleimani M, Karimzadeh F. Modulatory Effect of Neurotrophic Factors on the TRPV1 Expression: Possible Mechanisms Involved in the Antiepileptic Effect of Exercise. *Archives of Neuroscience*. 2023 Jan 31;10(1).
- 22- **Vahabzadeh G**, Nourozi S, Namazi R, Najafizadeh P. The Effect of Quercetin on Saos2 Osteosarcoma Cell Line. *Razi Journal of Medical Sciences*.
- 23- **Vahabzadeh G**, Khalighfard S, Alizadeh AM, Yaghobinejad M, Mardani M, Rastegar T, Barati M, Roudbaraki M, Esmati E, Babaei M, Kazemian A. A systematic method introduced a common lncRNA-miRNA-mRNA network in the different stages of prostate cancer. *Frontiers in Oncology*. 2023 May 8;13:1142275.
- 24- Golab F, **Vahabzadeh G**, SadeghRoudbari L, Shirazi A, Shabani R, Tanbakooei S, Kooshesh L. The Protective Potential Role of ACE2 against COVID-19. *Advances in Virology*. 2023 May 26;2023.
- 25- Navazesh A, Rasoolijazi H, Rahmani G, Bavi S, **Vahabzadeh G**, Soleimani M, Karimzadeh F. Modulatory Effect of Neurotrophic Factors on the TRPV1 Expression: Possible Mechanisms Involved in the Antiepileptic Effect of Exercise. *Archives of Neuroscience*. 2023;10(1).
- 26- Mohammadsadeghi H, Soleimannejad M, Ramazi S, Shalbafan M, Ardebili ME, **Vahabzadeh G**, Ahmadirad N, Karimzadeh F. Daily Oral Memantine Attenuated the Severity of Borderline Personality Disorder Symptoms: A Double-Blind Placebo-Controlled, Randomized Clinical Trial. *Iranian Journal of Psychiatry and Behavioral Sciences*. 2023;17(2).
- 27- Nourozi S, Namazi R, Najafizadeh P, **Vahabzadeh G**. The effect of quercetin on Saos2 osteosarcoma cell line.
- 28- Tarani S, **Vahabzadeh G**, Huseini HF, Khavandegar A, Tavakoli-Far B, Jazayeri R. Gastroprotective Effects of Betahistine Against an Indomethacin-Induced Gastric Mucosal Ulcer in Rats: The Role of CINC-2 $\alpha$  Gene. *Medical Journal of the Islamic Republic of Iran*. 2024 Sep 2;38:100.
- 29- Fatahi N, Jafari-Sabet M, **Vahabzadeh G**, Komaki A. Role of hippocampal and prefrontal cortical cholinergic transmission in combination therapy valproate and

cannabidiol in memory consolidation in rats: involvement of CREB-BDNF signaling pathways. *Naunyn-Schmiedeberg's Archives of Pharmacology*. 2024 Jan 8:1-9.

- 30- Goudarzi N, Shabani R, Moradi F, Ebrahimi M, Katebi M, Jafari A, Mehdinejadani S, **Vahabzade G**, Soleimani M. Evaluation puramatrix as a 3D microenvironment for neural differentiation of human breastmilk stem cells. *Brain Research*. 2024 Aug 1;1836:148936.
- 31- **Vahabzadeh G**, Pashapour-Yeganeh A, Eini M, Roudbaraki M, Esmati E, Poorkhani A, Khalighfard S, Alizadeh AM. Evaluation of specific lncRNAs, miRNAs, and mRNAs in different groups of prostate cancer.

### **English and Persian papers presented at the congresses:**

- 1- Babaei, M. H. and **G. Vahabzadeh** (2005). In vitro cell toxicity of 4'-epi-iodo[I-125]-4'-deoxy-doxorubicin on human colon cancer. International symposium on trends in radiopharmaceuticals. Vienna.
- 2- **Vahabzadeh, G.**, N. Rahbar-Roshandel, S.-A. Ebrahimi and M. Mahmoudian (2014). Neuroprotective effects of noscapine on cerebral oxygen–glucose deprivation injury via activation of sigma-1 receptor 3rd Basic and Clinical Neuroscience Congress. Tehran.
- 3- **Vahabzadeh, G**, Babaei, M.H (2006). In Vitro cell toxicity of 4-epi-iodo (<sup>125</sup> I)-4-deoxy-daunorubicin on human colon cancer. IPSC. Tehran.
- 4- **Vahabzadeh, G.**, N. Rahbar-Roshandel, S. A. Ebrahimi and M. Mahmoudian (2015). Protective effects of noscapine on primary murine fetal cortical neurons injured by oxygen–glucose deprivation

and recovery at three time schedules (30, 60, and 240 min). 4rd Basic and Clinical Neuroscience Congress. Tehran.

- 5- International conference on medicine, public health and biological science Ramezanloo, F., Najafizadeh, P., Naji, T., Amin, G., Mousavi, Z., & **Vahabzadeh, G.** (2017). The Effect of Hydro-alcoholic Extract of Leaves of Vitex on the Gestation Indices of Male Rats.
- 6- Khani, S. **Vahabzadeh, G** (2015) potentials role growth factors in the pathogenesis of ovarian hyperstimulation syndrome. International congress on human reproduction, Tehran.
- 7- **Vahabzadeh, G** (2015).Anticonvulsant effect of noscapine on pentylentetrazole-induced seizures in rats. 11<sup>th</sup> international congress of Epilepsy. Tehran.
- 8- **Vahabzadeh, G** (2015). Neuroprotective effects of noscapine on cerebral 30 min oxygen–glucose deprivation injury. 2th International neurotrauma. Tehran.
- 9- Protective effects of noscapine on H9c2 cells injured by oxygen–glucose deprivation and recovery. 24<sup>th</sup> Iranian Congress of Physiology and Pharmacology

Tutor and consultant

- 1- The effect of exercise on the alternations of growth factors NGF and GDNF and TRPV1 signaling pathway in the animal model of tonic-clonic epilepsy (Miss Navazesh)
- 2- The Effect of Quercetin on Saos2 Osteosarcoma Cell Line (Miss Nourouzi)

3- Pretreatment with nospapine protects the isolated rat heart against ischaemic

4- Gastroprotective effects of betahistine against an indomethacin-induced gastric mucosal ulcer in rats

5- Study of the role of serotonergic, dopaminergic, glutamatergic and adrenergic systems on the potential protective effects of minocycline against methylphenidate induced neurotoxicity and evaluation of the potential changes in the expression of proteins involved in apoptosis in rat hippocampus

**awards:**

- Outstanding researcher at the Congress of Neuroscience 1393-1394
- Award of Ahwazi Prize (1393)
- Award of Ahwazi Prize (1394)

**write books:**

- Prescription Drugs Guide (Skin Topic)
- Compilation of advanced molecular techniques

**My Intrest:**

- Playing Piano
- Swimming