

CURRICULUM VITAE

First Name: Khalil

Last Name: Hajiasgharzadeh

Date of Birth: 1985.07.12

Place of Birth: Heris, East Azerbaijan Province, Iran

Marital Status: Married

Cell Phone: (+98) 9143316673

Address (Work): Stem Cell Research Center, Tabriz University of Medical Sciences, Golgasht Ave. Tabriz. Iran.

E-mails: Hajiasgharzadeh@tbzmed.ac.ir; Hajiasgharzadeh@yahoo.com



Educational background:

Ph.D.: Physiology, Faculty of Medical Sciences, Tarbiat Modares University, Tehran, Iran.
Supervisor: Dr. Ali Reza Mani, Advisers: Dr. Mohammad Javan – Dr. Ahmed Reza Dehpour
Thesis title: *The role of vagus nerve and $\alpha 7$ nicotinic acetylcholine receptors in modulation of liver fibrosis in rats with biliary cirrhosis*

M. Sc.: Physiology, Faculty of Medical Sciences, Tarbiat Modares University, Tehran, Iran.
Supervisors: Dr. Ali Reza Mani - Dr. Seyed Javad Mirnajafi-Zadeh
Thesis title: *Peripheral and central effects of interleukin-6 on heart rate dynamics in mice*

B. Sc.: Biology, Tabriz University, Tabriz, Iran.

Diploma: Empirical Sciences, Shahid Madani High School, Heris, Iran.

Research experiences:

- Organ bath experiments & Isolated atrium preparation
- Telemetric monitoring of experimental animals
- Stereotaxic surgery & Brain cannulation in experimental animals
- Bile duct ligation technique
- Vagotomy surgery technique
- Colorimetric assays
- Cell Culture
- PCR, RT-PCR, qRT-PCR, RNA Extraction
- Immunohistochemistry & Immunofluorescence

- Western Blotting
- ELISA

Teaching Experiences:

- Gastrointestinal physiology for medical students, Islamic Azad University, Tabriz Branch
- General physiology (Theory and Lab) for B.Sc. students in medical sciences groups, Islamic Azad University Tabriz Branch, Tabriz, Iran.
- General physiology (Theory and Lab) for B.Sc. and M.Sc. students in biological sciences groups, University College of Nabi Akram, Tabriz, Iran
- Assisted in teaching the laboratory experiments (Molecular Biology Techniques), 3rd Tehran IBRO School of Neuroscience
- Teaching the cell culture workshop, Biophotonic Summer College, Tabriz Branch, Islamic Azad University, 15-20 August 2020
- Teaching the cell culture workshop, Student Research Committee, Tabriz University of Medical Sciences, August 2022
-

Publications:

1. **Hajiasgharzadeh K**, Mirnajafi-Zadeh J, Mani AR. Interleukin-6 impairs chronotropic responsiveness to cholinergic stimulation and decreases heart rate variability in mice. *European journal of Pharmacology*. 2011.
2. **Hajiasgharzadeh K**, Tavangar SM, Javan M, Dehpour AR, Mani AR. Does Hepatic Vagus Nerve Modulate the Progression of Biliary Fibrosis in Rats?. *Autonomic Neuroscience: Basic and Clinical*. 2014.
3. Eftekhari G, **Hajiasgharzadeh K**, Ahmadi-Soleimani SM, Dehpour AR, Semnanian S, Mani AR. Activation of central muscarinic receptor type 1 prevents development of endotoxin tolerance in rat liver. *European journal of Pharmacology*. 2014.
4. **Hajiasgharzadeh K**, Baradaran B. Cholinergic anti-inflammatory pathway and the liver. *Advanced Pharmaceutical Bulletin*. 2017.
5. Baradaran B, **Hajiasgharzadeh K**. Breast Cancer Among Young Women in Iran, *International Journal of Women's Health and Reproduction Sciences*. 2019.
6. **Hajiasgharzadeh K**, Somi MH, Shanebandi D, Mokhtarzadeh A, Baradaran B. Small interfering RNA-mediated gene suppression as a therapeutic intervention in hepatocellular carcinoma. *Journal of Cellular Physiology*. 2019.
7. Asadzadeh Z, Mansoori B, Mohammadi A, **Hajiasgharzadeh K**, Safarzadeh E, Mokhtarzadeh A, Duijf P, Baradaran B. MicroRNAs in cancer stem cells: Biology, pathways and therapeutic opportunities. *Journal of Cellular Physiology*. 2019.

8. **Hajiasgharzadeh K**, Sadigh-Eteghad S, Mansoori B, Mokhtarzadeh A, Shanehbandi S, Doustvandi MA, Asadzadeh Z, Baradaran B. Alpha7 nicotinic acetylcholine receptors in lung inflammation and carcinogenesis: Friends or foes?. *Journal of Cellular Physiology*. 2019.
9. Alizadeh M, Safarzadeh A, Beyranvand F, Ahmadpour F, **Hajiasgharzadeh K**, Baghbanzadeh A, Baradaran B. The potential role of miR-29 in health and cancer diagnosis, prognosis, and therapy. *Journal of Cellular Physiology*. 2019.
10. Doustvandi MA, Mohammadnejad F, Mansoori B, Tajalli H, Mohammadi A, Mokhtarzadeh A, Baghbani E, Khaze V, **Hajiasgharzadeh K**, Maleki Moghaddam M, Hamblin M, Baradaran B. Photodynamic therapy using zinc phthalocyanine in low dose of diode laser combined with doxorubicin is a synergistic combination therapy for human SKMEL-3 melanoma cells. *Photodiagnosis and Photodynamic Therapy*. 2019.
11. Mahafarin Maralani, Behzad Baradaran, **Khalil Hajiasgharzadeh**, Marc Peeters, Regulatory Functions of MicroRNAs in Cancer Pathogenesis, *Acta Medica Iranica* 2020.
12. Monireh Khordadmehr, Roya Shahbazi, Behzad Baradaran, Sanam Sadreddini, Dariush Shanehbandi, **Khalil Hajiasgharzadeh**, Restoring of miR-193a-5p Sensitizes Breast Cancer Cells to Paclitaxel through P53 Pathway, *Adv Pharm Bull*, 2020, 10(4), 595-601
13. Aliyari-serej Z, Ebrahimi A, Barazvan B, Ebrahimi-kalan A, **Hajiasgharzadeh K**, Kazemi T, Baradaran B. Recent Advances in Targeting of Breast Cancer Stem Cells Based on Biological Concepts and Drug Delivery System Modification. *Advanced Pharmaceutical Bulletin*, 2019.
14. Paydarnia N, Mansoori B, Esmaeili D, Kazemi T, Aghapour M, **Hajiasgharzadeh K**, Alizadeh N, Baradaran B. Helicobacter pylori recombinant CagA regulates Th1/Th2 balance in a BALB/c murine model. *Advanced Pharmaceutical Bulletin*. 2019.
15. Elshan Bajhan, Behzad Mansoori, Ali Mohammadi, Dariush Shanehbandi, Vahid Khaze Shahgoli, Elham Baghbani, **Khalil Hajiasgharzadeh** and Behzad Baradaran, MicroRNA-143 inhibits proliferation and migration of prostate cancer cells, *Archives Of Physiology And Biochemistry*,2020.
16. Parisa Lotfinejad, Zahra Asadzadeh, Shiva Najjary, Mohammad Hossein Somi, **Khalil Hajiasgharzadeh**, Ahad Mokhtarzadeh, Afshin Derakhshani, Elmira Roshani and Behzad Baradaran, COVID-19 Infection: Concise Review Based on the Immunological Perspective, 2020 Sep 28;1-20.
17. **Hajiasgharzadeh K**, Somi MH, Mansoori B, Doustvandi MA, Vahidian F, Alizadeh M, Mokhtarzadeh A, Shanehbandi D, Baradaran B. Alpha7 Nicotinic Acetylcholine Receptor

Mediates Nicotine-induced Apoptosis and Cell Cycle Arrest of Hepatocellular Carcinoma HepG2 Cells. *Advanced Pharmaceutical Bulletin*. 2019.

18. Hassan Karami, Maryam Moosavi, Afshin Derakhshani, Ebrahim Miri-Moghaddam, Marlin Touma, Behzad Baradaran, Nazila Alizadeh, Hossein Mashhadi Abdolahi, **Khalil Hajiasgharzadeh**, Hossein Safarpour, Network-based analysis reveals the potential involvement of proteasome subunit alpha-2 in tetralogy of Fallot, *Physiology and Pharmacology* 2020.
19. Tahereh Zeinali, Leila Karimi, Nayer Hosseinahli, Dariush Shanehbandi, Behzad Mansoori, Ali Mohammadi, **Khalil Hajiasgharzadeh**, Zohreh Babaloo, Jafar Majidi-Zolbanin, Behzad Baradaran, Overexpression of miRNA-145 induces apoptosis and prevents proliferation and migration of MKN-45 gastric cancer cells, 2020 Nov 3;19:1446-1458.
20. Ali Safarzadeh · Mohsen Alizadeh · Fatemeh Beyranvand · Reza Falavand Jozaee · **Khalil Hajiasgharzadeh** · Amir Baghbanzadeh · Afshin Derakhshani · Antonella Argentiero · Behzad Baradaran · Nicola Silvestris, Varied functions of immune checkpoints during cancer metastasis, *Cancer Immunology, Immunotherapy*, 2020 Sep 9.
21. Shirmohamadi M, Eghbali E, Najjary S, Mokhtarzadeh A, Kojabad AB, **Hajiasgharzadeh K**, Lotfinezhad P, Baradaran B. Regulatory mechanisms of microRNAs in colorectal cancer and colorectal cancer stem cells. *Journal of Cellular Physiology*. 2019.
22. **Hajiasgharzadeh K**, Somi MH, Mansoori B, Khaze Shahgoli V, Derakhshani A, Mokhtarzadeh A, Shanehbandi D, Baradaran B, Small interfering RNA targeting alpha7 nicotinic acetylcholine receptor sensitizes hepatocellular carcinoma cells to sorafenib. *Life Sciences*. 2020.
23. **Khalil Hajiasgharzadeh**, Mohammad Hossein Somi, Saeed Sadigh-Eteghad, Ahad Mokhtarzadeh, Dariush Shanehbandi, Behzad Mansoori, Ali Mohammadi, Mohammad Amin Doustvandi, Behzad Baradaran, The dual role of alpha7 nicotinic acetylcholine receptor in inflammation-associated gastrointestinal cancers. *Heliyon*. 2020.
24. Behzad Mansoori, Pascal H.G. Duijf, Ali Mohammadi, Souzan Najafi, Elmira Roshani, Dariush Shanehbandi, **Khalil Hajiasgharzadeh**, Solmaz Shirjang, Henrik J. Ditzel, Tohid Kazemi, Ahad Mokhtarzadeh, Morten F. Gjerstorff and Behzad Baradaran, Overexpression of HMGA2 in breast cancer promotes cell proliferation, migration, invasion and stemness, *Expert Opinion on Therapeutic Targets*, 2020.
25. Zahra Asadzadeh, Elham Safarzadeh, Sahar Safaei, Ali Baradaran, Ali Mohammadi, **Khalil Hajiasgharzadeh**, Afshin Derakhshani, Antonella Argentiero, Nicola Silvestris and Behzad Baradaran, Current Approaches for Combination Therapy of Cancer: The Role of Immunogenic Cell Death, *cancers*. 2020.

26. Derakhshani A, Rezaei Z, Safarpour H, Sabri M, Mir A, Sanati MA, Vahidian F, Gholamiyan Moghadam A, Aghadoukht A, **Hajiasgharzadeh K**, Baradaran B. Overcoming Trastuzumab Resistance in HER2-Positive Breast Cancer Using Combination Therapy. *Journal of Cellular Physiology*. 2019.
27. Marjan Aghajani, Ahad Mokhtarzadeh, Leili Aghebati-Malek, Behzad Mansoori, Ali Mohammadi, Sahar Safaei, Zahra Asadzadeh, **Khalil Hajiasgharzadeh**, Vahid Khaze Shahgoli, Behzad Baradaran, CD133 suppression increases the sensitivity of prostate cancer cells to paclitaxel. *Molecular Biology Reports*. 2020.
28. Payandeh Z, Khalili S, Somi MH, Mard-Soltani M, Baghbanzadeh A, **Hajiasgharzadeh K**, Samadi N, Baradaran B, PD - 1/PD - L1 - dependent immune response in colorectal cancer. *Journal of Cellular Physiology*. 2020.
29. Zahra Soroureddina, Masoud Nouri-Vaskeh, Mehdi Maleki, Amir Baghbanzadeh, **Khalil Hajiasgharzadeh**, Mohammadreza Taban Sadeghi, Behzad Baradaran, Targeted anti-inflammatory therapy is a new insight for reducing cardiovascular events: A review from physiology to the clinic, *Life Sciences*. 2020.
30. Mohammadrezakhani H, Baradaran B, Shanehbandi D, Asadi M, Hashemzadeh S, **Hajiasgharzadeh K**, Safaralizadeh R. Overexpression and Clinicopathological Correlation of Long Noncoding RNA TMPO-AS1 in Colorectal Cancer Patients. *Journal of Gastrointestinal Cancer*. 2019.
31. Neda Khosravi, Ahad Mokhtarzadeh, Amir Baghbanzadeh, **Khalil Hajiasgharzadeh**, Vahid Khaze Shahgoli, Nima Hemmat, Elham Safarzadeh, Behzad Baradaran, Immune checkpoints in tumor microenvironment and their relevance to the development of cancer stem cells, 2020 Sep 1;256:118005.
32. Mohsen Alizadeh, Ali Safarzadeh, Seyed Ali Hoseini, Reza Piryaee, Behzad Mansoori, **Khalil Hajiasgharzadeh**, Amir Baghbanzadeh, Behzad Baradaran, The potentials of immune checkpoints for the treatment of blood malignancies, *Critical Reviews in Oncology / Hematology*, 2020 Sep;153:103031.
33. Mahdi Abdoli Shadbad, **Khalil Hajiasgharzadeh**, Behzad Baradaran, Cross-talk between myeloid-derived suppressor cells and Mucin1 in breast cancer vaccination: On the verge of a breakthrough, *Life Sciences* 2021.
34. Afshin Derakhshani, Nicola Silvestris, **Khalil Hajiasgharzadeh**, Sara Mahmoudzadeh, Mohammad Fereidouni , Angelo Virgilio Paradiso, Oronzo Brunetti, Deyhim Atarod, Hossein Safarpour,

- Behzad Baradaran, Expression and characterization of a novel recombinant cytotoxin II from Naja naja oxiana venom: A potential treatment for breast cancer, 2020 Nov 1;162:1283-1292.
35. Negar Hosseinkhani, Afshin Derakhshani, Omid Kooshkaki, Mahdi Abdoli Shadbad, **Khalil Hajiasgharzadeh**, Amir Baghbanzadeh, Hossein Safarpour, Ahad Mokhtarzadeh, Oronzo Brunetti, Simon C. Yue, Nicola Silvestris and Behzad Baradaran, Immune Checkpoints and CAR - T Cells: The Pioneers in Future Cancer Therapies? 2020 Nov 5;21(21):8305.
36. Masoud Nouri-Vaskeh, Leila Alizadeh, **Khalil Hajiasgharzadeh**, Ahad Mokhtarzadeh, Monireh Halimi, Behzad Baradaran, The role of HSP90 molecular chaperones in hepatocellular carcinoma. *Journal of Cellular Physiology*. 2019.
37. Monireh Khordadmehr, Roya Shahbazi, Behzad Baradaran, Sanam Sadreddini, Dariush Shanehbandi, **Khalil Hajiasgharzadeh**, Masoumeh Firouzamandi, Mir-193a-5p Replacement Can Alter Metastasis Gene Expression in Breast Adenocarcinoma Cells In Vitro, *Pharmaceutical Sciences*, 2020
38. Narges Dastmalchi, Reza Safaralizadeh, Amir Baghbanzadeh, **Khalil Hajiasgharzadeh**, Elmira Roshani Asl, Mohammad Amini, Behzad Baradaran, Molecular mechanisms of breast cancer chemoresistance by immune checkpoints, *Life Sciences*, 2020 Oct 20;263:118604.
39. Elnaz Faghfuri, Farhad Pourfarzi, Amir Hossein Faghfour, Mahdi Abdoli Shadbad, **Khalil Hajiasgharzadeh** and Behzad Baradaran, Recent developments of RNA-based vaccines in cancer immunotherapy, *Expert Opinion On Biological Therapy*, 2014 Sep 13;7:646.
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41. Shokooh Salimimoghadam, Sina Taefehshokr, Reid Loveless, Yong Teng, Gloria Bertoli, Nima Taefehshokr, Fatemeh Musaviaroo, **Khalil Hajiasgharzadeh**, Behzad Baradaran, The role of tumor suppressor short non-coding RNAs on breast cancer, *Critical Reviews in Oncology/Hematology* 2021
42. Alireza Isazadeh | Saba Hajazimian | Hamid Garshasbi | Behrouz Shadman | Amir Baghbanzadeh | Reza Chavoshi | Sina Taefehshokr | Mahdieh Farhoudi Sefidan Jadid | **Khalil Hajiasgharzadeh** | Behzad Baradaran, Resistance mechanisms to immune checkpoints blockade by monoclonal antibody drugs in cancer immunotherapy: Focus on myeloma, *J Cell Physiol*, 2021 Feb;236(2):791-805.

43. Darya Javadrashid, Amir Baghbanzadeh, Nima Hemmat, **Khalil Hajiasgharzadeh**, Niloufar Sadat Nourbakhsh, Ziba Lotfi, Behzad Baradaran, Envisioning the immune system to determine its role in pancreatic ductal adenocarcinoma: Culprit or victim?, *Immunology Letters*, 2021
44. Mahdi Abdoli Shadbad, **Khalil Hajiasgharzadeh**, Afshin Derakhshani, Nicola Silvestris, Amir Baghbanzadeh, Vito Racanelli and Behzad Baradaran, From Melanoma Development to RNA-Modified Dendritic Cell Vaccines: Highlighting the Lessons From the Past, *Frontiers in Immunology* 2021
45. Mina Afrashteh Nour, **Khalil Hajiasgharzadeh**, Fatemeh Kheradmand, Zahra Asadzadeh, Nadia Bolandi, Behzad Baradaran, Nicotinic acetylcholine receptors in chemotherapeutic drugs resistance: An emerging targeting candidate, *Life Sciences* 2021
46. Zohreh Yaghobi, Aliakbar Movassaghpour, Mehdi Talebi, Mahdi Abdoli Shadbad, **Khalil Hajiasgharzadeh**, Shiva Pourvahdani, Behzad Baradaran, The role of CD44 in cancer chemoresistance: A concise review, *European Journal of Pharmacology*, 2021
47. **Khalil Hajiasgharzadeh**, Alireza Khabbazi, Ahad Mokhtarzadeh, Amir Baghbanzadeh, Zahra Asadzadeh, Elham Adlravan, Behzad Baradaran, Cholinergic anti-inflammatory pathway and connective tissue diseases, *Inflammopharmacology*, 2021
48. Mahafarin Maralani, Dariush Shanehbandi, Milad Asadi, Shahriar Hashemzadeh, **Khalil Hajiasgharzadeh**, Hossein Mashhadi Abdolahi, Behzad Baradaran, Marc Peeters, Expression profiles of miR-196, miR-132, miR-146a, and miR-134 in human colorectal cancer tissues in accordance with their clinical significance : Comparison regarding KRAS mutation, *Wien Klin Wochenschr*, 2021
49. Mahdi Abdoli Shadbad, Zahra Asadzadeh, Afshin Derakhshani, Negar Hosseinkhani, Ahad Mokhtarzadeh, Amir Baghbanzadeh, **Khalil Hajiasgharzadeh**, Oronzo Brunetti, Antonella Argentiero, Vito Racanelli, Nicola Silvestris, Behzad Baradaran, A scoping review on the potentiality of PD-L1-inhibiting microRNAs in treating colorectal cancer: Toward single-cell sequencing-guided biocompatible-based delivery, *Biomedicine & Pharmacotherapy*, 2021
50. Saeed Noorolyai, Elham Baghbani, Dariush Shanehbandi, Vahid Khaze Shahgoli, Amir Baghbanzadeh Kojabad, Behzad Mansoori, **Khalil Hajiasgharzadeh**, Ahad Mokhtarzadeh, Behzad Baradaran, miR - 146a - 5p and miR-193a-5p Synergistically Inhibited the Proliferation of Human Colorectal Cancer Cells (HT-29 cell line) through ERK Signaling Pathway, *Adv Pharm Bull.* 2021
51. Sina Taefehshokr, Nima Taefehshokr, Afshin Derakhshani, Amir Baghbanzadeh, Reza Vaezi Astamal, Sahar Safaei, Samane Abbasi, Saba Hajazimian, Nazila Fathi Maroufi, Alireza Isazadeh,

- Khalil Hajiasgharzadeh**, Behzad Baradaran, The regulatory role of pivotal microRNAs in the AKT signaling pathway in breast cancer, *Current Molecular Medicine*, 2021
52. **Khalil Hajiasgharzadeh**, Leili Aghebati-Maleki, Behzad Baradaran, Production and Verification of Anti-Tumor Activity of Monoclonal Anti-EGFR-Recombinant PE38 Immunotoxin in A431 Tumor Cells, *ImmunoAnalysis*, 2021
53. **Khalil Hajiasgharzadeh**, Behzad Baradaran, Leili Aghebati-Maleki, Alireza Khabbazi, Nicotinic Acetylcholine Receptors as Potential Tumor Biomarkers in Genitourinary Cancers: a Review Study, *ImmunoAnalysis*, 2021
54. Sajjad Eslamkhah, Nazila Alizadeh, **Khalil Hajiasgharzadeh**, Masoud Eslamkhah, Ahad Mokhtarzadeh, Behzad Baradaran, The Clinical Characteristics and Treatment Approaches of COVID-19: A Concise Review, *Pharmaceutical Sciences*, 2021
55. Shiva Najjary, Reza Mohammadzadeh, Behzad Mansoori, Fatemeh Vahidian, Ali Mohammadi, Mohammad Amin Doustvandi, Vahid Khaze, **Khalil Hajiasgharzadeh**, Behzad Baradaran, Combination therapy with miR-34a and doxorubicin synergistically induced apoptosis in T-cell acute lymphoblastic leukemia cell line, *Medical Oncology*, 2021
56. Misagh Majidi, Sahar Safaee, Mohammad Amini, Amir Baghbanzadeh, **Khalil Hajiasgharzadeh**, Shahriar Hashemzadeh, Siamak Sandoghchian Shotorbani, Ahad Mokhtarzadeh, Behzad Baradaran, The effects of chemotherapeutic drugs on PD-L1 gene expression in breast cancer cell lines, *Medical Oncology*, 2021
57. Katayoun Dolatkah, Nazila Alizadeh, Hanieh Mohajjel-Shoja, Mahdi Abdoli Shadbad, **Khalil Hajiasgharzadeh**, Leili Aghebati-Maleki, Amir Baghbanzadeh, Negar Hosseinkhani, Noora Karim Ahangar, Behzad Baradaran, B7 immune checkpoint family members as putative therapeutics in autoimmune disease: An updated overview, *International Journal of Rheumatic Diseases*, 2022
58. Mahshid Shahverdi, **Khalil Hajiasgharzadeh**, Amin Daei Sorkhabi, Mahdi Jafarlou, Maryam Shojaee, Neda Jalili Tabrizi, Nazila Alizadeh, Mariacarmela Santarpia, Orzono Brunetti, Hossein Safarpour, Nicola Silvestris, Behzad Baradaran, *Biomedicine & Pharmacotherapy*, 2022
59. Ali Aghebati-Maleki, Behzad Baradaran, Khalil Hajiasgharzadeh, Babak Bakhshinejad, Leili Aghebati-Maleki, The Application of Next Generation Sequencing in Phage Display: A Short Review, *ImmunoAnalysis*, 2021
60. Mina Afrashteh Nour, Fatemeh Kheradmand, Yousef Rasmi, Zahra Asadzadeh, Mohammad Amin Doustvandi, Mahdi Jafarlou, **Khalil Hajiasgharzadeh**, Behzad Baradaran, Nicotinic Acetylcholine Receptor Subunit Alpha-7 Mediates PD-L1 and CTLA-4 Expression in HepG2 Cells, *ImmunoAnalysis*, 2021

61. Nayer Hosseinahli, Tahereh Zeinali, Nasrin Hosseinahli, Leila Karimi, Dariush Shanehbandi, Behzad Mansoori, Ali Mohammadi, Tohid Kazemi, **Khalil Hajiasgharzadeh**, Behzad Baradaran, Restoration of miRNA-143 Expression Inhibits Growth and Migration of MKN-45 Gastric Cancer Cell Line, *Advanced Pharmaceutical Bulletin*, 2022
62. Amir Baghbanzadeh , Elham Baghbani, **Khalil Hajiasgharzadeh**, Saeed Noorolyai, Vahid Khaze, Behzad Mansoori, Masoud Shirmohamadi, Behzad Baradaran, Ahad Mokhtarzadeh, microRNA-193a-5p Suppresses the Migratory Ability of Human KATOIII Gastric Cancer Cells through Inhibition of Vimentin and MMP-9, *Advanced Pharmaceutical Bulletin*, 2022
63. Shima Khajouee, Elham Baghbani, Ali Mohammadi, Behzad Mansoori, Dariush Shanehbandi, **Khalil Hajiasgharzadeh**, Behzad Baradaran, Downregulation of HMGA2 by Small Interfering RNA Affects the Survival, Migration, and Apoptosis of Prostate Cancer Cell Line, *Advanced Pharmaceutical Bulletin*, 2022
64. **Khalil Hajiasgharzadeh** | Mahdi Jafarlou | Behzad Mansoori | Narges Dastmalchi | Behzad Baradaran | Alireza Khabbazi, Inflammatory reflex disruption in COVID-19, *Clinical and Experimental Neuroimmunology*, 2022
65. Bitā Amir Taghavi, Nazila Alizadeh, Hossein Saeedi, Noora Karim Ahangar, Afshin Derakhshani, **Khalil Hajiasgharzadeh**, Nicola Silvestris, Behzad Baradaran and Oronzo Brunetti, Targeted Therapy of B7 Family Checkpoints as an Innovative Approach to Overcome Cancer Therapy Resistance: A Review from Chemotherapy to Immunotherapy, *Molecules*, 2022
66. Shaho Ghahremani Dehbokri, Nazila Alizadeh Gharamaleki, Alireza Isazadeh, Amir Baghbanzadeh, Soheil Abbaspour-Ravasjani, **Khalil Hajiasgharzadeh**, Behzad Baradaran, CTLA-4; as an immunosuppressive immune checkpoint in breast cancer, *Current Molecular Medicine*, 2022
67. Leila Tebbi, Behzad Mansoori, Sahar Safaei, Shahriar Hashemzadeh, Masoud Shirmohamadi, **Khalil Hajiasgharzadeh**, Mahdi Abdoli Shadbad, Behzad Baradaran, MiR-146a Restoration Suppresses Triple-Negative Breast Cancer Cell Migration: A Bioinformatic and In Vitro Study, *Advanced Pharmaceutical Bulletin*, 2022
68. **Khalil Hajiasgharzadeh**, Mohammad Amin Doustvandi, Nadia Allahyarzadeh Khiabani, Mohadese Mohammadi, Narges Dastmalchi, Mahdi Jafarlou, Behzad Baradaran. The Effects of siRNA-Mediated Gene Silencing of Alpha-7 Nicotinic Acetylcholine Receptors on Drug Resistance to Oxaliplatin in Colorectal Cancer Cells, *Biology Bulletin* 2022
- **Google scholar H Index: 20**
 - **Scopus H Index: 17**

Books:

Title: "Animal Models of Inflammatory and Autoimmune Diseases", Authors: **Khalil Hajiasgharzadeh**, Parisa Lotfinejad, Behzad Baradaran, Alireza Khabazi; Manian Publications, Tehran, Iran, 2019.

Conferences:

- *1st national congress on Endothelium*, Isfahan University of Medical Sciences, Isfahan, Iran, (2009).
 - *19th Iranian Congress of Physiology and Pharmacology*, Shaheed Beheshti University of Medical Sciences, Tehran, Iran, (2009).
 - *10th World Congress of Inflammation, Paris, France, (2011), Poster presentation.*
 - *20th Iranian Congress of Physiology and Pharmacology, Hamadan University of Medical Sciences, Hamadan, Iran, (2011), Oral presentation.*
 - *2nd Tehran IBRO School of Neuroscience, Molecular, Electrophysiological and Behavioral Approaches, assisted in executive process, Tehran, Iran, (2012).*
 - *3rd Tehran IBRO School of Neuroscience, Molecular, Electrophysiological and Behavioral Approaches, assisted in executive process, Tehran, Iran, (2013).*
 - *21st Iranian Congress of Physiology and Pharmacology, Tabriz University of Medical Sciences, Tabriz, Iran, (2013), Poster presentation.*
 - *21st Iranian Congress of Physiology and Pharmacology, Tabriz University of Medical Sciences, Tabriz, Iran, (2013), Poster presentation.*
 - *24th Iranian & 3rd International Congress of Physiology and Pharmacology, 30 Oct – 01 Nov 2019, Shahed University, Tehran, Iran, Poster presentation.*
 - *25th Iranian & 4th International Congress of Physiology and Pharmacology, 20-22 Oct 2021, Tehran University of Medical Sciences, Tehran, Iran, Poster presentation.*
 - *The 6th International Congress on Biomedicine, 9-14 Nov 2022, Tehran, Iran, Oral presentation.*
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Languages:

- English: Advanced
 - Turkish: Mother tongue
 - Persian: Native
-

Attendance in Workshops:

- *“Heart rate variability (HRV) analysis”*, Tarbiat Modares University, Tehran, Iran.
 - *“Electrophysiological methods and cardiac action potential recordings”*, Cardiovascular research center, Golestan University of Medical Sciences, Gorgan, Iran.
 - *“Cardiovascular techniques”*, Tehran University of Medical Sciences, Tehran, Iran.
 - *“Electrophysiology technique”*, Tarbiat Modares University, Tehran, Iran.
 - *“Patch clamp technique”*, Tarbiat Modares University, Tehran, Iran.
 - *“Microarray technique”*, Tehran University, Tehran, Iran.
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- *“Health, Safety and Environment (HSE) training”, Tarbiat Modares University, Tehran, Iran.*
 - *“Familiarity with regional and international neuroscience societies”, Shaheed Beheshti University of Medical Sciences, Tehran, Iran.*
 - *Histological and immunohistochemically investigations of myelin and its damage, Tarbiat Modares University, Tehran, Iran.*
 - *Cell Culture Workshop, Faculty of Medical Sciences, Tarbiat Modares University, Tehran, Iran.*
-

Honors:

- Ranked second in the Ph.D. entrance examination (Faculty of Medical Sciences, Tarbiat Modares University, Tehran, Iran)
 - Ranked fifth in the M.Sc. entrance examination (Faculty of Medical Sciences, Tarbiat Modares University, Tehran, Iran)
-

Membership:

- Iranian Society of Physiology and Pharmacology, since 2008 to present.
(Membership code: 409)
-

Referee for journal articles submitted to:

- Bioengineered
 - PLOS ONE
 - Cancer Management and Research
 - Expert Review of Precision Medicine and Drug Development
 - Heliyon
 - The Journal of international medical research
 - World Journal of Surgical Oncology
 - Pharmaceutical Sciences
 - Journal of Physiology and Pharmacology
 - All Life
 - Oncologie
 - Frontiers in Pharmacology
 - Journal of Regenerative Medicine
 - Frontiers in Genetics
 - Biophysica
 - Cancer investigation
 - Diseases
 - Expert review of precision medicine and drug development
 - Frontiers in network physiology
 - Frontiers in immunology
 - Frontiers in oncology
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Research Interests:

- Stem Cell Therapy
- Systemic Inflammation
- Nicotinic Receptors
- Animal Models
- Gene Therapy

References:

- **Prof. Mohammad Reza Alipour**
Professor of Physiology, Department of Physiology, Faculty of Medicine, Tabriz University of Medical Sciences, Tabriz, Iran.
alipourmr@tbzmed.ac.ir
- **Prof. Parviz Shahabi**
Professor of Physiology, Department of Physiology, Faculty of Medicine, Tabriz University of Medical Sciences, Tabriz, Iran.
shahabip@tbzmed.ac.ir
- **Dr. Alireza Mani**
Associated Professor of Physiology, Network Physiology Lab, Division of Medicine, UCL, London, UK
a.r.mani@ucl.ac.uk
- **Prof. Mohammad Javan**
Professor of Physiology, Department of Physiology, Faculty of Medical Sciences, Tarbiat Modares University, Tehran, Iran.
mjavan@modares.ac.ir