

Curriculum Vitae



Personal information:

NAME: Amir

SURNAME: Tajbakhsh

PhD of Molecular Medicine

E-mail: Tajbakhsh.amir@yahoo.com; Tajbakhsh.amir921@gmail.com; A_tajbakhsh@sums.ac.ir

CELLPHONE: +989171241299

DATE OF BIRTH: 1988, June, 16

NATIONALITY: Iranian

GENDER: Male

Marital Status: Married

Education:

B.Sc in Biology, University of Shahrekord, Shahrekord, Iran (2006 – 2010).

M.Sc in Microbiology, Shahid Chamran University of Ahvaz, Ahvaz, Iran (2011 – 2013)

M.Sc Thesis: Design of reverse transcription loop-mediated isothermal amplification method for detection of bovine viral diarrhea virus

Ph.D in **Molecular Medicine**, Department of Modern Science Sciences & Technology, School of Medicine, Mashhad University of Medical Sciences, Mashhad, Iran (2014-2019).

Thesis: Analysis of *TNRC9 (TOX3)/LOC643714* locus variants and haplotypes; association with breast cancer risk, therapeutic response and protein expression. Project Number: 940789.

Work experience:

Dates: September, 2017 to June, 2018;

Occupation or position held: Sabbatical leave (as a visiting student);

Main activities and responsibilities: Research Project Investigator;

DNA extraction, PCR, sequencing and Data analyze.

Name and address of employer: The National Cancer Institute of Milan- Italy.

Current occupation

Assistant Professor, Pharmaceutical Sciences Research Center, Shiraz University of Medical Sciences, Shiraz, Iran.

Publications:

1. Rezatofighi S, Khaleqian P, **Tajbakhsh A.** (2014). The isolation of specific bacteriophage escherichia coli o157: h7 from agricultural soil. *Veterinary Research (Garmsar Branch)*. 2(27); 91-97.
2. Motamedi H, **Tajbakhsh A.** (2014). A survey on bacterial contamination of fruit juice with *Alicyclobacillus acidoterrestris* using PCR and RFLP. *Journal of Food Microbiology*. 1(2); 9-14.
3. Motamedi H, **Tajbakhsh A.** (2014). A report on pasteurized orange juice contamination with *Bacillus licheniformis*. *Journal of food microbiology*. 1, (1); 39-42.
4. **Tajbakhsh A,** Rezatofighi S. E, Motamedi H, Rafiae S. (2015). Isolation *Alicyclobacillus acidoterrestris* specific bacteriophage, the causative agent of fruit juice spoilage, from soil. *Journal of food microbiology*. 1(3), 15-19.
5. **Tajbakhsh A,** Rezatofighi S.E, Mirzadeh K, Pourmahdi M (2014). A reverse transcriptase-loop mediated isothermal amplification assay (RT-LAMP) for rapid detection of bovine viral diarrhea virus 1 and 2. *Archives of Razi Institute*. 72(2); 73-81
6. Zaree N. N, Nassirabady N, **Tajbakhsh A.** (2014). Antimicrobial Susceptibility Profiles of Environmental Enterobacteriaceae Isolates From Karun River, Iran. *International Journal of Enteric Pathogens*. 2(2); e16831.
7. **Tajbakhsh A,** Javan FA, Rivandi M, Pasdar A. (2015). *TOX3* and the risk of breast cancer; an overview. *Journal of Cellular Immunotherapy*. 1(1): 5-6.
8. Oladi M, Nohtani M, Avan A, Mirhafez S. R., **Tajbakhsh A,** Ghasemi F, Ferns, G. A. (2015). Impact of the C1431T polymorphism of the peroxisome proliferator activated receptor-gamma (*PPAR-γ*) gene on fasted serum lipid levels in patients with coronary artery disease. *Annals of Nutrition and Metabolism*. 66(2-3), 149-154.
9. Mirhafez S. R, Avan A, Pasdar A, Kazemi E, Ghasemi F, **Tajbakhsh A,** Ghayour-Mobarhan M. (2015). Association of tumor necrosis factor- α promoter G-308A gene polymorphism with increased triglyceride level of subjects with metabolic syndrome. *Gene*. 568(1), 81-84.
10. **Tajbakhsh A,** Mokhtari-Zaer A, Rezaee M, Afzaljavan F, Rivandi M, Hassanian M, Gordon A. Ferns, Pasdar A, and Avan A. (2017). Therapeutic Potentials of BDNF/TrkB in Breast Cancer; Current Status and Perspectives. *Journal of Cellular Biochemistry*. 118(9): 2502-2515.
11. Hamzehzadeh L, Imanparast A, **Tajbakhsh A,** Rezaee M, Pasdar A. (2016). New Approaches to Use Nanoparticles for Treatment of Colorectal Cancer; a Brief Review. *Nanomedicine Research Journal*. 1(2), 59-68.
12. **Tajbakhsh A,** Sadegh Khorrami M, Mahdi Hassanian S, Aghasizade M, Pasdar A, Maftouh M, Tabatabai E, Mohammad Reza Parizadeh S. Fazeli M, Ferns, G.A, Ghayour-Mobarhan M. (2016). The *9p21* Locus and its Potential Role in Atherosclerosis Susceptibility; Molecular Mechanisms and Clinical Implications. *Current Pharmaceutical Design*. 22(37), 5730-5737.
13. **Tajbakhsh A,** Hasanzadeh M, Rezaee M, Khedri M. Khazaei M. Sales S.S. Ferns G.A. Hassanian S.M, Avan A. (2017). Therapeutic potential of novel formulated forms of curcumin in the treatment of breast cancer by the targeting of cellular and physiological dysregulated pathways. *Journal of Cellular Physiology*. *Journal of Cellular Physiology*. 233(3):2183-2192.
14. **Tajbakhsh A,** Afzal-Javan F, Fazeli M, Rivandi M, Mahdi Kushyar M, Nassiri M, Pasdar A (2017). *TOX3* Gene polymorphisms and breast cancer; the role and implication; an overview. *Tehran University Medical Journal*. 75(5): 323-331
15. **Tajbakhsh A,** Pasdar A, Rezaee M, Fazeli M, Soleimanpour S, Hassanian SM, Farshchiyan Yazdi Z, Rad TY, Ferns GA, Avan A. (2018). The current status and perspectives regarding the clinical implication of intracellular calcium in breast cancer. *Journal of cellular physiology*. 233(8): 5623-5641.

16. **Tajbakhsh A**, Rezaee M, Rivandi M, Forouzanfar F, Afzaljavan F, Pasdar A. (2017). Paraoxonase 1 (PON1) and stroke; the dilemma of the genetic variation Journal: Clinical Biochemistry. *Clinical Biochemistry*. 50(18): 1298-1305.
17. Haftcheshmeh S. M, **Tajbakhsh A**, Kazemi M, Esmaeili S. A, Mardani F, Fazeli M, Sahebkar A. (2018). The clinical importance of CD4⁺ CD7⁻ in human diseases. *Journal of cellular physiology*. 234(2): 1179-1189.
18. **Tajbakhsh A**, Ghasemi F, Mirbagheri Z, Momen Heravi, Rezaee M, Meshkat Z. (2018). Investigation of the *rpoB* mutations causing rifampin resistance by rapid screening in Mycobacterium tuberculosis in North East of Iran. *Iranian Journal of Pathology*. 13(4): 429-437.
19. **Tajbakhsh A**, Rezaee M, Kovanen PT, Sahebkar A. (2018). Efferocytosis in atherosclerotic lesions: Malfunctioning regulatory pathways and control mechanisms. *Pharmacology & Therapeutics*. 188: 12-25.
20. **Tajbakhsh A**, Gheibi Hayat SM, Butler AE, Sahebkar A. (2019). Effect of soluble cleavage products of important receptors/ligands on efferocytosis: Their role in inflammatory, autoimmune and cardiovascular disease. *Ageing Research Reviews*. 9(50): 43-57
21. Rivandi M, Pasdar A, Hamzezadeh L, **Tajbakhsh A**, Seifi S, Moetamani-Ahmadi M, Ferns GA, Avan A. (2018). The prognostic and therapeutic values of long noncoding RNA PANDAR in colorectal cancer. *Journal of cellular physiology*. 234(2):1230-1236.
22. **Tajbakhsh A**, Javan FA, Rivandi M, Moezzi A, Abedini S, Asghari M, Farjami Z, Soltanian H, Shandiz FH, Kooshyar MM, Pasdar A. (2019). Significant association of *TOX3/LOC643714 locus-rs3803662* and breast cancer risk in a cohort of Iranian population. *Molecular Biology Reports*. 46(1):805-811.
23. **Tajbakhsh A**, Farjami Z, Darroudi S, Ayati SH, Vakili F, Asghari M, Alimardani M, Abedini S, Kushyar MM, Pasdar A. (2019). Association of *rs4784227-CASC16 (LOC643714 locus)* and *rs4782447-ACSF3* polymorphisms and their association with breast cancer risk among Iranian population. *EXCLI journal*. 18: 429-438.
24. Mardan-Nika M, Saffar S, Biabangard-Zak A, Asghari M, Saljoughian S, **Tajbakhsh A**, Meshkat Z, A. Ferns G, Pasdar A, Ghayour-Mobarhan M. (2019). A method for improving the efficiency of DNA extraction from clotted blood samples Journal. *Journal of Clinical Laboratory Analysis*. 33(6): e22892.
25. **Tajbakhsh A**, Rivandi M, Abedini S, Pasdar A, Sahebkar A. Regulators and mechanisms of anoikis in triple-negative breast cancer (TNBC): A review. (2019). *Critical Reviews in Oncology/Hematology*. 170: 17-27.
26. **Tajbakhsh, A**, Bianconi V, Pirro, M, Gheibi Hayat, SM, Johnston, TP, Sahebkar, A. Efferocytosis and Atherosclerosis: Regulation of Phagocyte Function by MicroRNAs. *Trends in Endocrinology & Metabolism*. 2019. 30(9); 672-683.
27. Darroudi, S., **Tajbakhsh, A.**, Esmaily, H., Ghazizadeh, H., Zamani, P., Sadabadi, F., ... & Sark, N. A. (2019). 50 bp deletion in promoter superoxide dismutase 1 gene and increasing risk of cardiovascular disease in Mashhad stroke and heart atherosclerotic disorder cohort study. *BioFactors*. 46 (1), 55-63.
28. Vahednia E, Shandiz F. H, Bagherabad M. B, Moezzi A, Afzaljavan F, **Tajbakhsh A**, Pasdar A. (2019). Evaluation of CASP8 rs10931936 and rs1045485 Polymorphisms and haplotypes impact on the risk of Breast Cancer: A case-control study. *Clinical Breast Cancer* 19 (5), e563-e577.
29. **Tajbakhsh, A.**, Fazeli, M., Rezaee, M., Ghasemi, F., Heravi, M. M., Gholoobi, A., & Meshkat, Z. (2019). Prevalence of CCR5delta32 in Northeastern Iran. *BMC medical genetics*, 20(1), 184.
30. **Tajbakhsh, A.**, Kovanen, P. T., Rezaee, M., Banach, M., & Sahebkar, A. (2019). Ca²⁺ Flux: Searching for a Role in Efferocytosis of Apoptotic Cells in Atherosclerosis. *Journal of Clinical Medicine*, 8(12), 2047.

31. **Tajbakhsh, A.**, Rezaee, M., Barreto, G. E., Moallem, S. A., Henney, N. C., & Sahebkar, A. (2020). The role of nuclear factors as “Find-Me”/alarmin signals and immunostimulation in defective efferocytosis and related disorders. *International Immunopharmacology*, 80, 106134.
32. **Tajbakhsh, A.**, Kovanen, P.T., Rezaee, M., Banach, M., Moallem, S.A. and Sahebkar, A., (2020). Regulation of efferocytosis by caspase-dependent apoptotic cell death in atherosclerosis. *The International Journal of Biochemistry & Cell Biology*, p.105684.
33. Ahmadi ES, **Tajbakhsh A**, Iranshahy M, et al. (2020). Naphthoquinone derivatives isolated from plants: recent advances on biological activity. *Mini Rev Med Chem*. 20(19):2019-2035.
34. Homaei Shandiz F, Afzaljavan F, **Tajbakhsh A**, Rivadeh M, Sharifi N, Shakeri M. T, & Pasdar, A. (2020). Age-related Variation in Expression of Breast Cancer Tumour Markers in Iranian Patients. *Middle East Journal of Cancer*.
35. **Tajbakhsh A**, Gheibi Hayat SM, Taghizadeh H, Akbari A, Inabadi M, Savardashtaki A, Johnston TP, Sahebkar A (2020). COVID-19 and cardiac injury: clinical manifestations, biomarkers, mechanisms, diagnosis, treatment, and follow up. *Expert Review of Anti-infective Therapy*, 1-3.
36. **Tajbakhsh A**, Farjami Z, Nesaei-Bajestani A, Javan FA, Rivandi M, Moezzi A, Abedini S, Asghari M, Farjami Z, Soltanian H, Shandiz FH, Kooshyar MM, Pasdar A. (2021). Association between *CCR5D32* polymorphism and susceptibility to breast cancer in a cohort of Iranian population. *Iranian Journal of Public Health*, 50, 583-591.
37. **Tajbakhsh A**, Farahani N, Gheibi Hayat M, Savardashtaki A. (2020). Efferocytosis and the maintenance of self-tolerance in pathological and physiological cell deaths: Nanotechnology comes to view. *International Immunopharmacology*, 90, 107177.
38. **Tajbakhsh A**, Gheibi Hayat M, Sahebkar A. (2020). Apoptotic neurons and amyloid-beta clearance by phagocytosis with specific receptor in Alzheimer's disease. *Neural regeneration research*. *European Journal of Pharmacology*, 15, 173873.
39. Asadi-Pooya, A.A., **Tajbakhsh, A.** & Savardashtaki, A. (2021). MicroRNAs in temporal lobe epilepsy: a systematic review. *Neurol Sci*, 42, 571–578.
40. Ciceri S, Montalvão-de-Azevedo R, **Tajbakhsh A**, Bertolotti A, Spagnuolo RD, Boschetti L, Capasso M, D'Angelo P, Serra A, Diomedi-Camassei F, Meli M, Nantron M, Quarello P, Buccoliero AM, Tamburini A, Ciniselli CM, Verderio P, Collini P, Radice P, Spreafico F, Perotti D. (2020). Analysis of the mutational status of *SIX1/2* and microRNA processing genes in paired primary and relapsed Wilms tumors and association with relapse. *Cancer Gene Ther*. 28(9):1016-1024.
41. **Tajbakhsh A**, Alimardani M, Asghari M, Abedini S, Saghafi khadem S, Nesaei Bajestani A, Alipour F, Alidoust M, Savardashtaki A, Hashemian P, Pasdar A. Association of *PICK1* and *BDNF* variations with increased risk of methamphetamine abuse among Iranian population; a case-control study. *BMC Med Genomics* 14, 27.
42. Vandchali, NR, Moadab, F, Taghizadeh, E, **Tajbakhsh, A**, Gheibi-Hayat, SM. (2021). CD47 Functionalization of Nanoparticles as a Poly(ethylene glycol) Alternative: A Novel Approach to Improve Drug Delivery. *Curr Drug Targets*. 2021;22(15):1750-1759.
43. Askari H, Sanadgol N, Azarnezhad A, **Tajbakhsh A**, Rafiei H, Safarpour AR, Gheibihayat SM, Raeis-Abdollahi E, Savardashtaki A, Ghanbariasad A, Omidifar N. (2021). Kidney diseases and COVID-19 infection: causes and effect, supportive therapeutics and nutritional perspectives. *Heliyon* :e06008.
44. **Tajbakhsh A**, Farjami Z, Nesaei-bajestani A, Afzaljavan F, Rivandi M, Moezzi A, Abedini S, Asghari M, Kooshyar MM, Shandiz FH, Pasdar A. (2021). Evaluating the Association between

- CCR5delta32 Polymorphism (rs333) and the Risk of Breast Cancer in a Cohort of Iranian Population. *Iranian Journal of Public Health*. 27;50(3):583-91.
45. Heidari Z, **Tajbakhsh A**, Gheibihayat M, Moattari A, Razban V, Berenjian A, Savardashtaki A, Negahdaripour M. (2021). Probiotics/ prebiotics in viral respiratory infections: implication for emerging pathogens. *Recent Patents on Biotechnology*. 15(2):112-136.
46. **Tajbakhsh A**, Gheibi Hayat M, Movahedpour A, Savardashtaki A, Sahebkar A. (2021). The complex roles of efferocytosis in cancer development, metastasis, and treatment. *Biomed Pharmacother*. 140:111776.
47. Beizavi Z, Gheibihayat SM, Moghadasian H, Zare H, Shirazi Yeganeh B, Askari H, Vakili S, **Tajbakhsh A**, Savardashtaki A. (2021). MicroRNA regulation of CD47/SIRP α expression in cancers. *Molecular Biology Reports*. 48(7):5707-5722.
48. Safarpour AR, Askari H, Ejtehad F, Azarnezhad A, Raeis-Abdollahi E, **Tajbakhsh A**, Abazari MF, Tarkesh F, Shamsaeifar A, Niknam R, Sivandzadeh GR, Lankarani KB, Ejtehad F. Cholangiocarcinoma and liver transplantation: What we know so far? *World J Gastrointest Pathophysiol* 2021; 12(5): 84-105.
49. Vakili S, Samare-Najaf M, Dehghanian A, **Tajbakhsh A**, Askari H, Tabrizi R, Iravani Saadi M, Movahedpour A, Alizadeh M, Samareh A, Taghizadeh S, Noroozi S. (2021). Gold Nanobiosensor Based on the Localized Surface Plasmon Resonance is Able to Diagnose Human Brucellosis, Introducing a Rapid and Affordable Method. *Nanoscale Res Lett*. 16(1):144.
50. Eisvand, F., **Tajbakhsh, A.**, Seidel, V., Zirak, M. R., Tabeshpour, J., & Shakeri, A. (2021). Quercetin and its role in modulating endoplasmic reticulum stress: A review. *Phytotherapy Research*. 36(1), 73–84.
51. **Tajbakhsh A**, Yousefi F, Rezaee M, Savardashtaki A, Sahebkar A. (2021). The cross-talk between soluble “Finds-Me” and “Keep-Out” signals released from apoptotic cells as a first step that regulate efferocytosis by granting an immunologically-silent clearance. *International Reviews of Immunology. Journal of Cellular Physiology*. 237(8):3113-3126.
52. **Tajbakhsh A**, Rahimi Jaber Kh, Gheibihayat M, sharifi Me, Jafari M, Sahebkar A. (2021). Age-specific differences in the severity of coronavirus disease 2019 (COVID-19) between children and adults: reality and reasons. *Advances in Experimental Medicine and Biology*. 1327:63-78.
53. **Tajbakhsh A**, Gheibihayat SM, Taheri RA, Fasihi-Ramandi M, Bajestani AN, Taheri A. (2022). Potential diagnostic and prognostic of efferocytosis-related unwanted soluble receptors/ligands as new non-invasive biomarkers in disorders: a review. *Mol Biol Rep*. 49(6):5133-5152.
54. **Tajbakhsh A**, Gheibihayat SM, Mortazavi D, Medhati P, Rostami B, Savardashtaki A, Momtazi-Borojeni AA. (2021). The Effect of Cigarette Smoke Exposure on Efferocytosis in Chronic Obstructive Pulmonary Disease; Molecular Mechanisms and Treatment Opportunities. *COPD*. 18(6):723-736.
55. Ghalamfarsa, F., Khatami, S.H., Vakili, O., Taheri-Anganeh, M., **Tajbakhsh, A.**, Savardashtaki, A., Fazli, Y., Uonaki, L.R., Shabaninejad, Z., Movahedpour, A. and Ghalamfarsa, G. (2021). Bispecific antibodies in colorectal cancer therapy: recent insights and emerging concepts. *Immunotherapy*, 13(16), pp.1355-1367.
56. Nesaee A, Naderi Ghale-Noie Z, Khorshid Shamshiri A, Afzaljavan F, Rivandi M, **Tajbakhsh A**, Homaei Shandiz F, Pasdar A. (2022). *2q35-rs13387042* variant and the risk of breast cancer: a case-control study. *Mol Biol Rep*. 49(5):3549-3557.

57. Alamdari-Palangi V, Jaberi KR, Jaberi AR, Gheibihayat SM, Akbarzadeh M, **Tajbakhsh A**, Savardashtaki A.(2022). The role of miR-153 and related upstream/downstream pathways in cancers: from a potential biomarker to treatment of tumor resistance and a therapeutic target. *Medical Oncology*. 39(5):1-9.
58. Askari, H., Raeis-Abdollahi, E., Abazari, M.F., Akrami, H., Vakili, S., Savardashtaki, A., **Tajbakhsh, A.**, Sanadgol, N., Azarnezhad, A., Rahmati, L. and Abdullahi, P.R. (2022). Recent findings on the role of microRNAs in genetic kidney diseases. *Molecular Biology Reports*. pp.1-18.
59. **Tajbakhsh A**, Gheibihayat SM, Askari H, Savardashtaki A, Pirro M, Johnston TP, Sahebkar A (2022). Statin-regulated phagocytosis and efferocytosis in physiological and pathological conditions. *Pharmacology & Therapeutics*. 18:108282.
60. Jaberi, K.R., Alamdari-Palangi, V., Jaberi, A.R., Esmaeli, Z., Shakeri, A., Gheibihayat, S.M., **Tajbakhsh, A.** and Savardashtaki, A. (2022). The regulation, functions, and signaling of miR-153 in neurological disorders and its potential as a biomarker and therapeutic target. *Current Molecular Medicine*.
61. Askari, H., Shojaei-Zarghani, S., Raeis-Abdollahi, E., Jahromi, H.K., Abdullahi, P.R., Daliri, K., **Tajbakhsh, A.**, Rahmati, L. and Safarpour, A.R. (2022). The Role of Gut Microbiota in Inflammatory Bowel Disease-Current State of the Art. *Mini Reviews in Medicinal Chemistry*.
62. **Tajbakhsh, A.**, Gheibihayat, S. M., Karami, N., Savardashtaki, A., Butler, A. E., Rizzo, M., & Sahebkar, A. (2022). The regulation of efferocytosis signaling pathways and adipose tissue homeostasis in physiological conditions and obesity: Current understanding and treatment options. *Obesity Reviews*, 23(10), e13487.
63. Karizak, A. Z., Salmasi, Z., Gheibihayat, S. M., Asadi, M., Ghasemi, Y., **Tajbakhsh, A.**, & Savardashtaki, A. (2023). Understanding the regulation of “Don’t Eat-Me” signals by inflammatory signaling pathways in the tumor microenvironment for more effective therapy. *Journal of Cancer Research and Clinical Oncology*, 1-19.
64. Vosough, P., Khatami, S. H., Hashemloo, A., **Tajbakhsh, A.**, Karimi-Fard, F., Taghvimi, S., ... & Movahedpour, A. (2022). Exosomal lncRNAs in gastrointestinal cancer. *Clinica Chimica Acta*, 117216.
65. Razi, S., Kargarjam, F., Panahi, S., Tahershamsi, Z., **Tajbakhsh, A.**, & Gheibihayat, S. M. (2023). Macrophage efferocytosis in health and disease. *Cell Biochemistry and Function*. 41: 152- 165.
66. Rezaee, M., Foroutan, F., Etemad, L., Razban, V., **Tajbakhsh, A.**, & Savardashtaki, A. (2023). Clinical utility of soluble CD163 and its diagnostic and prognostic value in a variety of neurological disorders. *Mini Reviews in Medicinal Chemistry*. Online ahead of print.
67. Khojini, J.Y., Babaei, B., Shakarami, M., Mofidi, M., Tahershamsi, Z., Arjmand, T.F., **Tajbakhsh, A.** and Gheibihayat, S.M., (2023). Biomimetic Nanovaccines: a Novel Approach in Immunization. *Current Pharmaceutical Design*. Online ahead of print.
68. Mohammad-Rafiei, F., Khojini, J.Y., Ghazvinian, F., Alimardan, S., Norioun, H., Tahershamsi, Z., **Tajbakhsh, A.** and Gheibihayat, S.M., (2023). "Cell membrane biomimetic nanoparticles in drug delivery." *Biotechnology and Applied Biochemistry*.
69. **Tajbakhsh, A.**, Yousefi, F., Farahani, N., Savardashtaki, A., Reiner, Ž., Jamialahmadi, T., & Sahebkar, A. (2024). Molecular Mechanisms and Therapeutic Potential of Resolvins in Cancer-Current Status and Perspectives. *Current Medicinal Chemistry*.

70. Naeimzadeh, Y., **Tajbakhsh, A.**, & Fallahi, J. (2024). Understanding the prion-like behavior of mutant p53 proteins in triple-negative breast cancer pathogenesis: The current therapeutic strategies and future directions. *Heliyon*.
71. Samare-Najaf, M., Samareh, A., Savardashtaki, A., Khajehyar, N., **Tajbakhsh, A.**, Vakili, S., ... & Zarei, R. (2023). Non-Apoptotic Cell Death Programs in Cervical Cancer with an Emphasis on Ferroptosis. *Critical Reviews in Oncology/Hematology*, 104249.
72. Vafadar, A., Vosough, P., Jahromi, H. K., **Tajbakhsh, A.**, Savardashtaki, A., Butler, A. E., & Sahebkar, A. (2023). The role of efferocytosis and transplant rejection: Strategies in promoting transplantation tolerance using apoptotic cell therapy and/or synthetic particles. *Cell Biochemistry and Function*, 41(8), 959-977.
73. Hosseinpour-Soleimani, F., Salmasi, Z., Ghasemi, Y., **Tajbakhsh, A.**, & Savardashtaki, A. (2024). MicroRNAs and proteolytic cleavage of receptors in cancers: A comprehensive review of regulatory interactions and therapeutic implications. *Heliyon*. 20;10(7):e28167.
74. Jaber, K. R., Alamdari-palangi, V., Savardashtaki, A., Vatankhah, P., Jamialahmadi, T., **Tajbakhsh, A.**, & Sahebkar, A. (2024). Modulatory effects of phytochemicals on gut-brain axis: therapeutic implication. *Current Developments in Nutrition*, 103785.
75. Ghorbanzadeh S, Khojini JY, Abouali R, Alimardan S, Zahedi M, Tahershamsi Z, **Tajbakhsh A**, Gheibihayat SM (2024). Clearing the Path: Exploring Apoptotic Cell Clearance in Inflammatory and Autoimmune Disorders for Therapeutic Advancements. *Molecular biotechnology*.
76. Naeimzadeh, Y., A. **Tajbakhsh, M.** Nemati, and J. Fallahi. "Exploring the anti-cancer potential of SGLT2 inhibitors in breast cancer treatment in pre-clinical and clinical studies." *European Journal of Pharmacology* 978 (2024): 176803-176803.
77. Sahebi, K., Foroozand, H., Amirsoleymani, M., Eslamzadeh, S., Negahdaripour, M., **Tajbakhsh, A.**, Jaber, A.R. and Savardashtaki, A., (2024). Advancing stroke recovery: unlocking the potential of cellular dynamics in stroke recovery. *Cell death discovery*, 10(1), p.321.
78. Karimi-Sani, I., Molavi, Z., Naderi, S., Mirmajidi, S.H., Zare, I., Naeimzadeh, Y., Mansouri, A., **Tajbakhsh, A.**, Savardashtaki, A. and Sahebkar, A., (2024). Personalized mRNA vaccines in glioblastoma therapy: from rational design to clinical trials. *Journal of nanobiotechnology*, 22(1), p.601.
79. Razi, S., Khojini, J. Y., Norioun, H., Hayati, M. J., Naseri, N., **Tajbakhsh, A.**, & Gheibihayat, S. M. (2024). MicroRNA-mediated regulation of Ferroptosis: Implications for disease pathogenesis and therapeutic interventions. *Cellular Signalling*, 111503.
80. Bavarsad, S. B., Shahryarhesami, S., Naseri, N., **Tajbakhsh, A.**, & Gheibihayat, S. M. (2024). Efferocytosis and Infertility: Implications for Diagnosis and Therapy. *Journal of Reproductive Immunology*, 104413.
81. Arianezhad, M., Tajeddini, F., Zareardalan, M., Hosseinpour-Soleimani, F., Sisakht, M., **Tajbakhsh, A.**, ... & Negahdaripour, M. (2024). Modulation of Efferocytosis and Inflammation Resolution by Live and Non-Live Probiotics through Gut Microbiota Interactions in Preclinical and Clinical Studies. *Food Bioscience*, 105498.

82. Vafadar, A., Takallu, S., Alashti, S. K., Rashidi, S., Bahrani, S., **Tajbakhsh, A.**, ... & Savardashtaki, A. (2024). Advancements in microfluidic platforms for rapid biomarker diagnostics of infectious diseases. *Microchemical Journal*, 112296.
83. Vafadar, A., **Tajbakhsh, A.**, Hosseinpour-Soleimani, F., Savardashtaki, A., & Hashempur, M. H. (2024). Phytochemical-mediated efferocytosis and autophagy in inflammation control. *Cell Death Discovery*, 10(1), 493.

Conference Presentations:

- 1- **Tajbakhsh A**, Reza-Toufighi E, Mirzadeh Kh, Pourmehdi M. Bovine viral diarrhea virus detected in cattle in the South West of Iran by RT-PCR method. First National Conference on a stable Agriculture and Natural Resources; 2014 Feb 9; Tehran, Iran. (Oral presentation)
- 2- **Tajbakhsh A**, Ghasemi F, Meshkat Z. Rapid screening of *rpoB* mutations in *Mycobacterium tuberculosis* in North East of Iran. The Seventh International Congress of Tuberculosis and Lung Disease Tehran; 2015 Oct 12-14; Tehran, Iran. (Oral presentation)
- 3- Rivandi M, Afzal-Javan F, **Tajbakhsh A**, Pasdar A. No correlation between menarche age and histopathological characterisation and recurrence in breast cancer patients in Northeastern Iran. Eleventh International Congress of Breast Cancer; 2015 May 14; Tehran, Iran. (Oral presentation)
- 4- Zaree NN, Nassirabady N, **Tajbakhsh A**. Antimicrobial Resistance of *Enterobacteriaceae* Isolated of Karoun River in Iran. 14th International Iranian Congress of Microbiology. 2013; Tehran, Iran. (Poster presentation)
- 5- Rezatoufighi S, Khaleqian P, & **Tajbakhsh, A**. Isolation of *Escherichia coli* O157: H7 bacteriophage from agricultural soil. 14th International Iranian Congress of Microbiology. 2013; Tehran, Iran. (Poster presentation)
- 6- Motamedi H & **Tajbakhsh A**. Report of *Alicyclobacillus acidoterrestris*. The second National Conference on Food Science and Technology. 2013. (Poster presentation)
- 7- Motamedi H & **Tajbakhsh A**. A survey on bacterial contamination of fruit juice with *Alicyclobacillus acidoterrestris* using PCR and RFLP. Twenty-first National Congress of Food Science and Technology. 2013. (Poster presentation)
- 8- Motamedi H & **Tajbakhsh A**. A report on pasteurized orange juice contamination with *Bacillus licheniformis*. Twenty-first National Congress of Food Science and Technology. 2013. (Poster presentation)
- 9- Motamedi H & **Tajbakhsh A**. Isolation *Alicyclobacillus acidoterrestris* specific bacteriophage, the causative agent of fruit juice spoilage, from soil. 2013. (Poster presentation)
- 10- Motamedi H & **Tajbakhsh A**. Introduction and consumer acceptance of microbial protein like meat (Quorn) produced by the *Fusarium venenatum* A3/5. The 1st National Conference on Stable Agriculture and Natural Resources. 2013. (Poster presentation)
- 11- **Tajbakhsh A**, Reza-Toufighi E, Mirzadeh Kh, Pourmehdi M. Compare of Loop-Mediated Isothermal amplification method (RT-LAMP) and RT-PCR in the detection of BVD virus. National Conference on Health and animal husbandry and provender. 2013; Iran. (Poster presentation)
- 12- **Tajbakhsh A**, Javan FA, Rivandi M, Pasdar A. TOX3 and the risk of breast cancer; an overview. First Symposium of the International Cancer Nastran. 2015; Mashhad, Iran. (Poster presentation)
- 13- **Tajbakhsh A**, Javan FA, Rivandi M, Pasdar A. Multifactor dimensionality reduction methodology and related software package for detecting and characterizing gene-gene and/or gene-environment interactions- A Review. First Symposium of the International Cancer Nastran. 2015; Mashhad, Iran. (Poster presentation)

- 14- Moezzi A, Afzal-Javan F, **Tajbakhsh A**, Koushyar M, Pasdar A. An overview of targeted for cancer therapy. Fourth Congress of Medical Oncology and Hematology of Iran. 2014. (Poster presentation)
- 15- **Tajbakhsh A**, Sabeti N, Montazeri A, Pasdar A. The BDNF-Val66Met polymorphism and association with Neurological Disorders; an overview. Fourth International Congress of Basic and clinical neuroscience. 2014. (Poster presentation)
- 16- **Tajbakhsh A**, Montazer A, Sabeti N, Afzal-javan F, Hashemiyani P, Pasdar A. Identifying genetic variations associated with temptation and relapse of methamphetamine dependence in North East of Iran: a hypothesis. Fourth International Congress of Basic and clinical neuroscience. 2014. (Poster presentation)
- 17- Koushyar MM, Rivandi M, Dashti Z, **Tajbakhsh A**, Ghofrani A, Pasdar A. Digoxin and breast cancer; the dilemma of the increased risk of cancer. Eleventh International Congress of Breast Cancer. 2014; Tehran, Iran. (Poster presentation)
- 18- Moezzi A, Afzal-javan F, **Tajbakhsh A**, Koushyar MM, Ahmadiyan B, Pasdar A. MicroRNAs (miRNAs) in breast cancer management. Eleventh International Congress of Breast Cancer. 2014; Tehran, Iran. (Poster presentation)
- 19- Khorami M, **Tajbakhsh A**, Avan A. The 9p21 locus and atherosclerosis; from molecular aspects to clinical application. The second International Conference on Molecular Medicine in the diagnosis and treatment of diseases. 2015; Tehran, Iran. (Poster presentation)
- 20- **Tajbakhsh A**, Fazeli M, Farshchian Z, Esmaeili A, Mardan F, Meshkat Z. The frequency of *CCR5Δ32* allele in Iranian normal population; a systematic review. Thirteen International Congress of Immunology and Allergy. 2015. (Poster presentation)
- 21- **Tajbakhsh A**, Sabeti N, Montazeri A, Afzal-Javan F, Pasdar A. The influence of epigenetic on breast cancer risk induced by physical activity. The first International Congress Razavi Hospital of Cancer. 2015; Mashhad, Iran. (Poster presentation)
- 22- **Tajbakhsh A**, Rivandi M, Moezzi A, Farshchian Z, Sabeti N, Montazeri A, Pasdar A. Breast cancer and hepatitis C; an overview. The first International Congress Razavi Hospital of Cancer. 2015; Mashhad, Iran. (Poster presentation)
- 23- **Tajbakhsh A**, Montazeri A, Sabeti N, Rivandi M, Pasdar A. TOX3 and cancers; a systematic review. The first International Congress Razavi Hospital of Cancer. 2015; Mashhad, Iran. (Poster presentation)
- 24- **Tajbakhsh A**, Sabeti N, Montazeri A, Esmaeili A, Mardani F, Rastin M. Infection with helicobacter pylori plays a protective role for developing multiple sclerosis or the risk factors? A systematic review. The Third International Congress of Immunology, asthma and allergies and the first food allergies symposium. 2015. (Poster presentation)
- 25- **Tajbakhsh A**, Khayami R, Vakili F, Abedini S, Broumand F, Pasdar A. Role of BDNF in cancers. The second symposium of the International Cancer Nastran. 2015; Mashhad, Iran. (Poster presentation)
- 26- Nosrati A, Rabani M, **Tajbakhsh A**, Rivandi M, Afzal –Javan F, Pasdar A. 5p12 and 5q11 Variants and the Risk of Breast Cancer in Khorasan Population. The second Symposium of the International Cancer Nastran. 2015; Mashhad, Iran. (Poster presentation).
- 27- Yazdi Zahra F, **Tajbakhsh A**, Navidinia A, Ebrahim Of E, Ghayour Mobarhan M, Pasdar A, Meshkat Z. The role of bacteriophage in control of *Listeria monocytogenes* as foodborne pathogen. International Congress of " Nutrition: from Laboratory Research to Clinical Studies" (NLRCS). 2017; Mashhad, Iran. (Poster presentation).
- 28- Asghari M, **Tajbakhsh A**, Abedini S, Rivandi M, Farjami M, Derakhshan A, Pasdar A. The role of Vitamin C in Age-related Cataract; an overview of the current literature. International Congress of " Nutrition: from Laboratory Research to Clinical Studies" (NLRCS). 2017; Mashhad, Iran. (Poster presentation).

- 29- Abedini S, Asghari M, **Tajbakhsh A**, Rivandi M, Farjami Z, Derakhshan A, Pasdar A. The role of Vitamin D in Age-related Cataract; a review of current shreds of evidences. International Congress of " Nutrition: from Laboratory Research to Clinical Studies" (NLRCS). 2017; Mashhad, Iran. (Poster presentation).
- 30- **Tajbakhsh A**, Farshchian Z, Fadaei H, Farjami Z, Asghari M, Abedini S, Nejati O, Pasdar A. Effect of curcumin in the treatment of TNBC patients. International Congress of " Nutrition: from Laboratory Research to Clinical Studies" (NLRCS). 2017; Mashhad, Iran. (Poster presentation).
- 31- Asghari M, **Tajbakhsh A**, Abedini S, Rivandi M, Farjami M, Derakhshan A, Pasdar A. Genetic Variations and the risk of Age-related Cataract. Updates on cataract surgery; 2017; Mashhad, Iran. (Poster presentation).
- 32- Abedini S, **Tajbakhsh A**, Asghari M, Rivandi M, Farjami M, Derakhshan A, Pasdar A. Advances in genetics of congenital cataract. Updates on cataract surgery; 2017: Mashhad, Iran. (Poster presentation).
- 33- **Tajbakhsh A**, Afzal Javan F, Rivandi M, Moezzi A, Asghari M, Kushyar MM, Pasdar A. Association of *TOX3* main polymorphisms with breast cancer risk in Khorasan population. The third symposium of the International Cancer Nastran. 2017; Mashhad, Iran. (Poster presentation).
- 34- **Tajbakhsh A**, Farjami Z, Pasdar A. Association between *CCR5delta32* polymorphism and susceptibility to breast cancer in Khorasan population. The third symposium of the International Cancer Nastran. 2017; Mashhad, Iran. (Poster presentation).
- 35- **Tajbakhsh A**, Farjami Z, Rivandi M, Afzal Javan F, Moezzi A, Abedini S, Asghari M, Kushyar M-M, Pasdar A. Association of rs4782447 and risk of breast cancer in a cohort of Iranian breast cancer patients. 13th International Congress on Breast Cancer. 2017; Tehran, Iran. (Poster presentation).
- 36- Afzaljavan F, **Tajbakhsh A**, Khorrami M, Rivandi M, Meshkat Z, Pasdar A. Association between HBV and HTLV-1 infections and breast cancer risk: a population-based case-control study in Iran. InBREAST 2019 Mar 1 (Vol. 44, pp. S55-S56). JOURNAL PRODUCTION DEPT, ROBERT STEVENSON HOUSE, 1-3 Baxters Place, Leith Walk, Edinburgh Eh1 3af, Midlothian, Scotland: Churchill Livingstone.

NATIONAL PATENT:

- 1- Optimization of DNA extraction method from clotted and old blood. Iran Patent 104180, 2021-4-11.
- 2- Design and construction of a rapid test COVID-19 molecular diagnostic Kit. Iran Patent 104713, 2021-6-28.

Research works (Projects):

A. As a Co-Principal Investigators

1. Design of reverse transcription loop-mediated isothermal amplification method for detection of bovine viral diarrhea virus. Faculty of Science, Shahid Chamran University of Ahvaz, Ahvaz, Iran. (PI: Dr. Elham Reza-tofighei).
2. Analysis of *TNRC9 (TOX3)/ LOC643714* locus variants and haplotypes; association with breast cancer risk, therapeutic response and protein expression. Department of Modern Science Sciences & Technology, School of Medicine, Mashhad University of Medical Sciences, Mashhad, Iran. (PI: Dr. Alireza Pasdar; Project Number: 940789).
3. Identifying genetic variations associated with temptation and relapse of methamphetamine dependence. Department of Modern Science Sciences & Technology, School of Medicine, Mashhad University of Medical Sciences, Mashhad, Iran. (PI: Dr. Alireza Pasdar; Project Number: 931681).

4. Evaluation of genetic factors in families with congenital cataracts in Khorasan. Department of Modern Science Sciences & Technology, School of Medicine, Mashhad University of Medical Sciences, Mashhad, Iran. (PI: Dr. Alireza Pasdar; Project Number: 931511).
5. *CCR5Δ32* and breast cancer risk in Northern Khorasan population. Department of Modern Science Sciences & Technology, School of Medicine, Mashhad University of Medical Sciences, Mashhad, Iran. (PI: Dr. Alireza Pasdar; Project Number: 951734).
6. The frequency of *CCR5Δ32* in Mashhad population. Department of Modern Science Sciences & Technology, School of Medicine, Mashhad University of Medical Sciences, Mashhad, Iran. (PI: Dr. Zahra Meshkat; Project Number: 930623).
7. Study of *NF-κB1-rs28362491* polymorphism in women with breast cancer in northeastern Iran. Department of Modern Science Sciences & Technology, School of Medicine, Mashhad University of Medical Sciences, Mashhad, Iran. (PI: Amir Tajbakhsh; Project Number: 961689).
8. Investigation of the frequency of rifampin resistance in *Mycobacterium tuberculosis* using multiplex allele specific PCR in patients with tuberculosis admitted to Ghaem hospital, Mashhad (2012-2013). Department of Modern Science Sciences & Technology, School of Medicine, Mashhad University of Medical Sciences, Mashhad, Iran. (PI: Dr. Zahra Meshkat; Project Number: 930467).
9. The frequency of *CCR5Δ32* in Mashhad population. Department of Modern Science Sciences & Technology, School of Medicine, Mashhad University of Medical Sciences, Mashhad, Iran. (PI: Dr. Zahra Meshkat; Project Number: 930623).
- 10.

B: As a Co-investigators

11. Hematologic, biochemistry and virologic (HBV, HCV, HTLV1) profiles of breast cancer patients in Khorasan; a case control study. Department of Modern Science Sciences & Technology, School of Medicine, Mashhad University of Medical Sciences, Mashhad, Iran. (PI: Dr. Alireza Pasdar; Project Number: 941289).
12. *CASP8* gene expression in tumor samples and healthy tissue in patients with breast cancer. Department of Modern Science Sciences & Technology, School of Medicine, Mashhad University of Medical Sciences, Mashhad, Iran. (PI: Dr. Alireza Pasdar; Project Number: 940936).
13. *FGFR2* gene expression in tumor and normal tissue samples in sporadic breast cancer patients. Department of Modern Science Sciences & Technology, School of Medicine, Mashhad University of Medical Sciences, Mashhad, Iran. (PI: Dr. Alireza Pasdar; Project Number: 940935).
14. Association of *ZNF365* and *RNF146* genes polymorphisms with breast cancer risk in Khorasan population. Department of Modern Science Sciences & Technology, School of Medicine, Mashhad University of Medical Sciences, Mashhad, Iran. (PI: Dr. Alireza Pasdar; Project Number: 940780).
15. Investigation of predictive role of Cu, Zn, SOD and 50 bp deletion in *SOD* gene promoter in cardio vascular disease. Department of Modern Science Sciences & Technology, School of Medicine, Mashhad University of Medical Sciences, Mashhad, Iran. (PI: Dr. Alireza Pasdar; Project Number: 940247).
16. Developing and improvement of effective DNA extraction methods from old and clotted blood samples. Department of Modern Science Sciences & Technology, School of Medicine, Mashhad University of Medical Sciences, Mashhad, Iran. (PI: Dr. Alireza Pasdar; Project Number: 931680).
17. Association of main polymorphisms at 5p12 and 5q11 loci with breast cancer risk in Khorasan population. Department of Modern Science Sciences & Technology, School of Medicine, Mashhad University of Medical Sciences, Mashhad, Iran. (PI: Dr. Alireza Pasdar; Project Number: 931032).
18. Systematic review of the genetics of breast cancer based on studies in Iran and the gulf region. Department of Modern Science Sciences & Technology, School of Medicine, Mashhad University of Medical Sciences, Mashhad, Iran. (PI: Dr. Alireza Pasdar; Project Number: 931029).

19. Association of the main variants of the 8q24 and 2q35 chromosomal regions with breast cancer risk in Khorasan population. Department of Modern Science Sciences & Technology, School of Medicine, Mashhad University of Medical Sciences, Mashhad, Iran. (PI: Dr. Alireza Pasdar; Project Number: 931028).
20. Association of *LSP1* and *TOX3* main polymorphisms with breast cancer risk in Khorasan population. Department of Modern Science Sciences & Technology, School of Medicine, Mashhad University of Medical Sciences, Mashhad, Iran. (PI: Dr. Alireza Pasdar; Project Number: 931014).
21. Association of miRNAs (miR125a, 145, 155) and ALDH1, CD44 & CD24 markers with breast cancer in Khorasan population. Department of Modern Science Sciences & Technology, School of Medicine, Mashhad University of Medical Sciences, Mashhad, Iran. (PI: Dr. Alireza Pasdar; Project Number: 951600).
22. Comparison of CASP8, FGFR2 and TOX3 status in tumoral and normal tissues of breast cancer patients. Department of Modern Science Sciences & Technology, School of Medicine, Mashhad University of Medical Sciences, Mashhad, Iran. (PI: Dr. Alireza Pasdar; Project Number: 951740).
23. Evaluation of microRNA-153 expression changes as a diagnostic biomarker and therapeutic target in drug-resistant temporal lobe epilepsy. Shiraz University of Medical Sciences, Shiraz, Iran. (PI: Dr: Ali Akbar Asadi-Pooya & Dr. Amir Savardashtaki; Project Number: 21627).
24. Design and construction of a rapid test COVID-19 molecular diagnostic Kit. Shiraz University of Medical Sciences, Shiraz, Iran. (PI: Dr. Amir Savardashtaki; Project Number: 9749).
25. COVID-19 and Cardiovascular; Clinical biomarker. Shiraz University of Medical Sciences, Shiraz, Iran. (PI: Dr. Amir Savardashtaki; Project Number: 19469).

C: Ongoing projects:

26. A web tool for the analysis of association studies for a case–control study and a meta-analysis.
27. Design of R Packages for the analysis of Polygenic Risk Score for prediction of breast cancer among Iranian populations.
28. Design of R Packages for the analysis of Polygenic Risk Score for methamphetamine consumption, treatment and relapse among Iranian populations.
29. Association of mir-182 with risk of breast cancer among Iranian population.
30. Association of *MERTK* variant, as an important step of efferocytosis, with breast cancer risk.
31. The evaluation of regulation of CD47 expression through TNF- α and NF κ B1 in cancers.
32. Therapeutically exploiting STAT3 and PPAR- γ activity in cancer by efferocytosis.
33. Efferocytosis regulation by hypoxia, reoxygenation and reperfusion after myocardial infarction or stroke.
34. Identifying genetic variations associated with temptation and relapse of methamphetamine dependence.
35. Association of *COMT* SNPs/haplotypes (rs737865 and rs165599, rs4680) with temptation and relapse of methamphetamine dependence in a cohort of Iranian population.
36. Removal of Mycoplasma Infection Using Specific Macrophages in Cell Culture.
37. Lyophilized bacteriophage for the treatment of tuberculosis.
38. Bacteriophage therapy to combat bacterial infections in food.

Ungoing National Patents:

- 1- Design and manufacture of an automatic serum separator device to increase clinical laboratory safety and reduce laboratory costs (EN:140050140003001628).

Workshops:**A: As an attended:**

1. Workshop on Real time PCR in Chamran University of Sciences, Iran.
2. Workshop on Knowledge: SPSS, Endnote, Writing articles, Article presentation (oral, Systematic Review, Article Referee, Patent Practice and Innovation, Commercializing Your Idea, and Quality Control & Management.

B: As a presenter:

1. EndNote workshop in Mashhad University of Medical Sciences, Iran.
2. Writing a research proposal in Mashhad University of Medical Sciences, Iran.
3. EndNote workshop in Behbahan University of Medical Science, Iran.
4. Basic search & Advanced search workshop in Behbahan University of Medical Science, Iran.

Course taught

-Molecular diagnostic techniques for PhD students of Molecular Medicine, Department of Molecular Medicine, School of Advanced Medical Sciences and Technologies, Shiraz University of Medical Sciences, Shiraz, Iran, 2023.

-Personalized medicine for PhD students of Molecular Medicine, Department of Molecular Medicine, School of Advanced Medical Sciences and Technologies, Shiraz University of Medical Sciences, Shiraz, Iran, 2023.

Related Skills:***Techniques and Experiences:***

- Primer design, PCR (RFLP, ARMS-PCR, Multiplex PCR), Real Time PCR, and RT-LAMP.
- General molecular biology techniques, such as DNA/RNA/Proteins extraction from Bacteria, Virus and Human (blood and tissue), restriction enzyme digestion and buffy coat extraction.
 - Experience with Quality Control & Management.
 - Experience with GMP.
 - Experience with ISO13485.
 - Experience with the production of RNA Virus Extraction Kit.
 - Experience with the production of Viral transport medium (VTM)

Computer:

- PLINK, PHASE, SNPalyzer program.
- Experience with Nucleotide and Protein Data bases (NCBI, etc), alignment, BLAST, Haplotype analysis, GWAS and Post-GWAS.
- Experience with common Data Banks and Search Engines such as: ISI Web of Science, PubMed (MEDLINE/NCBI), SCOPUS, Science Direct, and Google Scholar.

Sites and Systems:

- TTAC.ir
- IMED.ir
- Daneshbonyan.isti.ir
- Ipm.ssaa.ir

Memberships

-2020-2024: A member of Knowledge-based company (Zist Plasma Hoonam Aria Co.) Shiraz, IRAN.

-2020-2024: The research group of Development Center for Biotechnology, Shiraz University of Medical Sciences, Shiraz, IRAN.

Best regards,

Amir Tajbakhsh

Assistant Professor of Molecular Medicine,

Pharmaceutical Sciences Research Center, Shiraz University of Medical Sciences, Shiraz, Iran.

https://isid.research.ac.ir/Amir_Tajbakhsh