

Curriculum Vitae

Personal Information

Name and Family	Mohammadreza Sharifi
Date of Birth	04/22/1966
Birth Town	Tehran
Marital Status	Married
Children	One
City of Residence	Isfahan-Zarrinshahr



Current Position

Associate professor	Isfahan University of Medical Sciences	From 2018	Continue
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Contact Information

Work Address	Department of Genetic and Molecular Biology, Faculty of Medicine, Isfahan University of Medical Sciences, Iran		
Home Address	NO: 16, Lane: Bosstan3, Blvd: Tohid, Zarrinshahr, Isfahan, Iran		
Phone			
Work Tel.	+983137929037		
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E-mail	mo_sharifi@med.mui.ac.ir	sharfimohm@gmail.com	

Education

Degree	University/Town	Period (years)	Ended
PhD, Molecular Medicine	Isfahan University of Medical Sciences	4	2013
MSc, Hematology	Tarbiat Modares University, Tehran	2	1999
Course, Cytothechnology	Tehran University of Medical Sciences	1	1995
BS, Medical laboratory Sciences	Isfahan University of Medical Sciences	4	1997

Training and Certification

Certificate	Certification Inst.	Period (days)	Year attended
Non-viral methods for gene transfer	Stem Cell Technology Research Center	10	2010
Lentiviral vectors	Stem Cell Technology Research Center	8	2010
Gene cloning	Stem Cell Technology Research Center	9	2010
Concepts in miRNA and siRNA biology	Stem Cell Technology Research Center	10	2010

Work Experience			
Position	Employer	Started	Ended
<ul style="list-style-type: none"> • Responsibilities and Activities <ul style="list-style-type: none"> – Supervisor and manager of medical laboratory 	Isfahan University of Medical Sciences	1999	2008

Teaching Experiences			
Title	Trainee	City	Year
Molecular Biology	Lab clinical student	Isfahan	2010-13
Molecular Genetics	Lab clinical and Radiology student	Isfahan	2010-13
Biology	Medicine, Lab clinical and Radiology student	Isfahan	2010-13
Biotechnology	PhD of Bacteriology student	Isfahan	2013
Gene engineering	PhD of Parasitology student	Isfahan	2013
Hematology	Lab clinical employee and PhD of Molecular Medicine student	Isfahan	2000-13

Filed of Interested
MicroRNA, Gene Therapy, Leukemia Research, Nucleic Acids in Molecular Medicine

Skills And Abilities
miRNA Silencing Techniques, LNA Technology, PCR, Real time-PCR, Cells Transfection, Flow Cytometry, Cells Culture, Western Blot, Electrophoresis, Hematology Techniques, Eliza, RIA, Cytotechnology

Research Projects		
Title	Center	Year
Evaluation of the diagnostic value of serum lactate dehydrogenase activity and its isoenzymes in serum from a patient with chronic leukemia	Tarbiat Modares University	1997-1999
Inhibition of microRNA miR-92a with Locked Nucleic Acid (LNA) technology and evaluation of its inhibitory effects on proliferation of human Acute Promyelocytic Leukemia (APL) cells	Isfahan University of Medical Sciences	2010-2013

Papers
1. Kheirabadi GR, Toghani F, Kousha M, Hashemi M, Maracy MR, Sharifi MR et al. Is there any association of anxiety-depressive symptoms with vascular endothelial function or systemic inflammation? 2013;18(11):979.
2. Sharifi M, Salehi R, Gheisari Y, Kazemi MJTJoH. Inhibition of MicroRNA miR-92a inhibits cell proliferation in human acute promyelocytic leukemia. 2013;30(2):157.
3. Sharifi M, Salehi R, Gheisari Y, Kazemi MJAbr. Inhibition of microRNA miR-92a induces apoptosis and necrosis in human acute promyelocytic leukemia. 2014;3.
4. Sharifi M, Salehi R, Gheisari Y, Kazemi MJMbr. Inhibition of microRNA miR-92a induces apoptosis and inhibits cell proliferation in human acute promyelocytic leukemia through modulation of p63 expression. 2014;41(5):2799-808.
5. Najafi Z, Sharifi M, Javadi GJCgt. Degradation of miR-21 induces apoptosis and inhibits cell proliferation in human hepatocellular carcinoma. 2015;22(11):530.

6. Ahmadi S, Sharifi M, Salehi RJCgt. Locked nucleic acid inhibits miR-92a-3p in human colorectal cancer, induces apoptosis and inhibits cell proliferation. 2016;23(7):199.
7. Arghavan B, Sharifi M, Shafiee M, Mohammadi RJCmm. Evaluation of miR-146a expression level in macrophages exposed to *Candida glabrata*. 2016;2(2):16.
8. Dehkordi KA, Chaleshtori MH, Sharifi M, Jalili A, Fathi F, Roshani D et al. Inhibition of MicroRNA miR-222 with LNA Inhibitor Can Reduce Cell Proliferation in B Chronic Lymphoblastic Leukemia. 2016:1-6.
9. Ehtesham N, Sharifi MJAbr. From conventional therapy toward microRNA-based therapy in acute promyelocytic leukemia. 2016;5.
10. EHTESHAM N, SHARIFI MR, KHORVASH F, KHEIROLLAHI M. The effect of beta interferon on the expression of miR-145 in patients with multiple sclerosis. 2016.
11. Ghavimi R, Sharifi M, Mohaghegh MA, Mohammadian H, Khadempour S, Rezaei HJAbr. Lack of association between rs1800795 (-174 G/C) polymorphism in the promoter region of interleukin-6 gene and susceptibility to type 2 diabetes in Isfahan population. 2016;5.
12. Jalali F, Sharifi M, Salehi RJMO. Kefir induces apoptosis and inhibits cell proliferation in human acute erythroleukemia. 2016;33(1):7.
13. M N, MR S, R S, M S, S M-N, editors. Immunotherapy of Ovarian Cancer. International Congress of Immunology & Allergy of Iran; 2016.
14. Nedaenia R, Sharifi M, Avan A, Kazemi M, Rafiee L, Ghayour-Mobarhan M et al. Locked nucleic acid anti-miR-21 inhibits cell growth and invasive behaviors of a colorectal adenocarcinoma cell line: LNA-anti-miR as a novel approach. 2016;23(8):246.
15. Nooshin Hashemi¹ MS, Sepideh Tolouei¹ , Mitra Hashemi³, Cyrus Hashemi⁴, Research SHHJJoM, Sciences H. Expression of hsa Let-7a MicroRNA of Macrophages Infected by *Leishmania Major*. 2016;5(10):27-32.
16. Sharifi M, Salehi RJCgt. Blockage of miR-92a-3p with locked nucleic acid induces apoptosis and prevents cell proliferation in human acute megakaryoblastic leukemia. 2016;23(1):29.
17. Fasihi-Ramandi M, Moridnia A, Najafi A, Sharifi MJB, Pharmacotherapy. Inducing cell proliferative prevention in human acute promyelocytic leukemia by miR-182 inhibition through modulation of CASP9 expression. 2017;89:1152–8.
18. Fasihi-Ramandi M, Moridnia A, Najafi A, Sharifi MJJoH, Transfusion B. Inducing Apoptosis and Decreasing Cell Proliferation in Human Acute Promyelocytic Leukemia Through Regulation Expression of CASP3 by Let-7a-5p Blockage. 2017:1-8.
19. Heydari K, Saidijam M, Sharifi Mr, dermani FK, Asl SS, Shabab N et al. The Effect of miR-200c Inhibition on Chemosensitivity (5-FluoroUracil) in Colorectal Cancer. 2017:Springer.
20. Koochian F, Shanei A, Shahbazi-Gahrouei D, Hejazi SH, Ahmadi A, Sharifi MJJoRO. The effect of resveratrol administration in irradiated mice on the induction of micronuclei in bone marrow. 2017;6(4):423-7.
21. Nedaenia R, Avan A, Ahmadian M, Nia SN, Ranjbar M, Sharifi M et al. Current Status and Perspectives Regarding LNA-Anti-miR Oligonucleotides and microRNA miR-21 Inhibitors as a Potential Therapeutic Option in Treatment of Colorectal Cancer. 2017;118(12):4129-40.
22. Nedaenia R, Manian M, Jazayeri M, Ranjbar M, Salehi R, Sharifi M et al. Circulating exosomes and exosomal microRNAs as biomarkers in gastrointestinal cancer. 2017;24(2):48.
23. Nedaenia R, Sharifi M, Avan A, Kazemi M, Nabinejad A, Ferns GA et al. Inhibition of microRNA-21 via locked nucleic acid-anti-miR suppressed metastatic features of colorectal cancer cells through modulation of programmed cell death 4. 2017;39(3):1010428317692261.
24. Nourbakhsh A, Sharifi M, Yadegarfar GJJoAB, Research. Post-transcriptional gene regulation with locked nucleic acid anti-miR-92a-3p enhances tumor protein p63 expression in human colorectal cancer. 2017;8(2):1424-32.
25. Rezaeepoor M, Ganjalikhani-hakemi M, Shapoori S, Eskandari N, Sharifi M, Etemadifar M et al. Semaphorin-3A as an Immune Modulator is Suppressed by MicroRNA-145. 2017;20(1).
26. Sharifi M, Moridnia A, Mortazavi D, Salehi M, Bagheri M, Sheikhi AJMO. Kefir: a powerful probiotics with anticancer properties. 2017;34(11).
27. Sharifi M, Moridnia AJCgt. Apoptosis-inducing and antiproliferative effect by inhibition of miR-182-5p through the regulation of CASP9 expression in human breast cancer. 2017;24(2):75.
28. Sharifi M, Moridnia AJJoIMS. Inducing Apoptosis and Decreases Cell Proliferation in Human Breast Cancer Cells through miR-182-5p Blockage Caused by Locked Nucleic Acid. 2017;35(418):57-63.
29. Simonian M, Sharifi M, Nedaenia R, Mosallayi M, Khosravi S, Avan A et al. Evaluation of miR-21 Inhibition and its Impact on Cancer Susceptibility Candidate 2 Long Noncoding RNA in Colorectal Cancer Cell Line. 2017.
30. Afshar S, Najafi R, Sharifi M, Saidijam MJB, Pharmacotherapy. MiR-185 enhances radiosensitivity of colorectal cancer cells by targeting IGF1R and IGF2. 2018;106:763-9.
31. Hashemi N, Sharifi M, Masjedi M, Tolouei S, Hashemi M, Mortazavidehkordi N et al. Locked nucleic acid -anti- let-7a induces apoptosis and necrosis in macrophages infected with *Leishmania major*. 2018.

32. Leyla N-B, Mohammad Reza S, Rasoul S, Mohammad Reza S, Sahar MJB, Sciences H. Bioinformatics design of CRISPR guide RNA for genomic knockout of ABCB1 gene. 2018;4(3):1-6.
33. Mirzaei H, Salehi H, Oskuee RK, Mohammadpour A, Mirzaei HR, Sharifi MR et al. The therapeutic potential of human adipose-derived mesenchymal stem cells producing CXCL10 in a mouse melanoma lung metastasis model. 2018;419:30-9.
34. Moghaddam Y, Andalib A, Mohammad-Ganji M, Homayouni V, Sharifi M, Ganjalikhani-Hakemi MJP-R et al. Evaluation of the effect of TIM-3 suppression by miR-498 and its effect on apoptosis and proliferation rate of HL-60 cell line. 2018;214(9):1482-8.
35. Mortazavi D, Sharifi MJC. Antiproliferative effect of upregulation of hsa-let-7c-5p in human acute erythroleukemia cells. 2018:1-10.
36. Najafi Z, Sharifi M, Javadi G, editors. Current Condition Regarding LNA Inhibitor in microRNA miR-23b Cell Proliferation and Apoptosis Induces as a Potential Therapeutic Option in Treatment of Human Hepatocellular Carcinoma. 3rd international & 5 Th Iranian Genetics congress; 2018.
37. Norouzi-Barough, Sarookhani, Sharifi, Moghbelinejad, Jangjoo, Physiology SJJoc. Molecular Mechanisms of Drug Resistance in Ovarian Cancer. 2018.
38. Norouzi-Barough L, Sarookhani M, Salehi R, Sharifi M, Moghbelinejad SJJjobs. CRISPR/Cas9, a new approach to successful knockdown of ABCB1/P-glycoprotein and reversal of chemosensitivity in human epithelial ovarian cancer cell line. 2018;21(2):181.
39. Rezaei F, Daryani A, Sharifi M, Sarvi S, satar Pagheh A, Hashemi N et al. miR-20a inhibition using locked nucleic acid (LNA) technology and its effects on apoptosis of human macrophages infected by Toxoplasma gondii RH strain. 2018;121:269-76.
40. Salehi M, Sharifi M, Bagheri MJCB, Radiopharmaceuticals. Knockdown of Long Noncoding RNA Plasmacytoma Variant Translocation 1 with Antisense Locked Nucleic Acid GapmeRs Exerts Tumor-Suppressive Functions in Human Acute Erythroleukemia Cells Through Downregulation of C-MYC Expression. 2018.
41. Salehi M, Sharifi M. Exosomal miRNAs as novel cancer biomarkers: Challenges and opportunities. J Cell Physiol. 2018;233:6370–6380.
42. Salehi M, Sharifi MJJoIMS. The Effect of Long Non-Coding RNA PVT1 Inhibition by Antisense LNA GapmeRs Technology on Proliferation of Human Acute Erythroleukemia Cells. 2018;36(477):439-45.
43. Salehi M, Sharifi MJMBRC. Induction of apoptosis and necrosis in human acute erythroleukemia cells by inhibition of long non-coding RNA PVT1. 2018;7(2):89-6.
44. Shafiee A-V, Sharifi MJJoIMS. Evaluation of the Effects A2B Adenosine Receptor-Agonist (BAY 60–6583) in Induction of Apoptosis in ACHN Renal Cancer Cell Line. 2018;36(466):35-41.
45. Shahla S, Mohammad Reza S, Ardeshir T, Sharifi M, Nepton SJEJoP. GABA dramatically improves glucose tolerance in streptozotocin-induced diabetic rats fed with high-fat diet. 2018.
46. Sharifi M, Fasihi-Ramandi M, Sheikhi A, Abbas M, Saneipour MJMBRC. Apoptosis induction in acute promyelocytic leukemia cells through upregulation of CEBP α by miR-182 blockage. 2018;7(1):25-33.
47. Sohrabipour S, Sharifi MR, Sharifi M, Talebi A, Soltani NJF, pharmacology c. Effect of magnesium sulfate administration to improve insulin resistance in type 2 diabetes animal model: Using the hyperinsulinemic-euglycemic clamp technique. 2018.
48. Ziaaea S, Boroumandb MA, Salehia R, Sadeghianc S, Hosseindokhta M, Sharifi MJB et al. Non-invasive diagnosis of early-onset coronary artery disease based on cell type-specific gene expression analyses Biomedicine & Pharmacotherapy. 2018;108:1115-22.
49. Ziaaea S, Boroumandb MA, Salehia R, Sadeghianc S, Hosseindokhta M, Sharifi M. Non-invasive diagnosis of early-onset coronary artery disease based on cell type-specific gene expression analyses Biomedicine & Pharmacotherapy. Biomedicine & Pharmacotherapy. 2018;108:1115-22.
50. BAGHERI M, SHARIFI M, SALEHI M. THE EFFECT OF INHIBITION OF LNCRNA MIR100HG ON THE PROLIFERATION OF HUMAN PROMYELOCYTIC LEUKEMIA CELLS. International Journal of Life science and Pharma Research. 2019;9(3):11-21.
51. Cheraghipour K, Moridnia A, Sharifi M. The Effect of Medicinal Plant Extracts on Helminthes: A Systematic Review. Journal of Isfahan Medical School. 2019;37(525):462.
52. Hosseindokht M, Boroumand M, Salehi R, Sharifi M. Association between four microRNA binding site-related polymorphisms and the risk of warfarin-induced bleeding complications. Excli Journal. 2019:287-99.
53. Najafi Z, Sharifi M, Javadi G. LNA Inhibitor in microRNA miR-23b as a Potential Anti-proliferative Option in Human Hepatocellular Carcinoma. Journal of Gastrointestinal Cancer. 2019:1-7.
54. Narimani M, Sharifi M, Hakhamaneshi MS, Roshani D, Kazemi M, Hejazi SH, et al. BIRC5 Gene Disruption via CRISPR/Cas9n Platform Suppress Acute Myelocytic Leukemia Progression. Iranian biomedical journal. 2019:0-.
55. Narimani M, Sharifi M, Jalili A. Knockout Of BIRC5 Gene By CRISPR/Cas9 Induces Apoptosis And Inhibits Cell Proliferation In Leukemic Cell Lines, HL60 And KG1. Blood and Lymphatic Cancer: Targets and Therapy. 2019;9:53-61.
56. Noori J, Haghjooy Javanmard S, Sharifi M. The role of microRNA-30a and downstream snail1 on the growth and metastasis of melanoma tumor. Iranian Journal of Basic Medical Sciences. 2019;22(5):534-40.

57. Sabet M, Sharifi M, Heidari M, Kazemi M, Babaei N. Blockage of HOTAIR Reduced Cell Proliferation in Human Ovarian Cancer Cells Through Upregulation of AKT2. Indian Journal of Gynecologic Oncology. 2019.

58. Shabani M, Esfahani BN, Ehdaei BS, Moghim S, Mirzaei A, Sharifi M, et al. Inhibition of herpes simplex virus type 1 replication by novel hsa-miR-7704 in vitro. Research in Pharmaceutical Sciences. 2019;14(2):167.

59. Hosseindokht M, Zare H, Salehi R, Pourgholi L, Ziaee S, Boroumand M, et al. Association between polymorphisms in microRNA seed region and warfarin stable dose. Postgraduate Medical Journal. 2020.

60. Sabet M, Sharifi M, Heidari M, Kazemi M, Babaei N. Degradation of HOX Transcript Antisense RNA Provoked Apoptosis and Necrosis in Human Ovarian Cancer Cells. Indian Journal of Gynecologic Oncology. 2020.

Conferences Attended

Subject	City	Year
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Determine the prevalence of intestinal parasitic infections in patients in health centers in the city Lenjan in 2003-4 years	Iranian Congress of Parasitology	
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MORIDNIA A, SHARIFI M, FASIHI RAMANDI M, NAJAFI A, KHEIROLLAHI M, editors. MIR1825P INHIBITION WITH LOCKED NUCLEIC ACID INDUCES APOPTOSIS, NECROSIS AND REDUCES CELL PROLIFERATION IN HUMAN ACUTE PROMYELOCYTIC LEUKEMIA. NATIONAL MOLECULAR MEDICINE CONGRESS; 2016: Scientific Information Database.

MORTAZAVI D, SHARIFI M, editors. PIRNAS: EMERGING FUNCTIONS AND CLINICAL IMPLICATION IN CANCER. NATIONAL MOLECULAR MEDICINE CONGRESS; 2016: Scientific Information Database.

NAJAFI Z, SHARIFI M, JAVADI G, editors. BLOCKAGE OF MIR21 INDUCES APOPTOSIS AND PREVENTS CELL PROLIFERATION IN HUMAN HEPATOCELLULAR CARCINOMA. NATIONAL MOLECULAR MEDICINE CONGRESS; 2016: Scientific Information Database.

NARIMANI M, JALILI A, MOHAMMADREZA S, editors. CRISPR/CAS9MEDIATED GENE EDITING IN LEUKEMIA TREATMENT: BENEFITS AND CHALLENGES. NATIONAL MOLECULAR MEDICINE CONGRESS; 2016: Scientific Information Database.

NOROZI L, SALEHI R, SAROOKHANI M, MOHAMMADREZA S, MOGHBELINEJAD S, editors. LATEST NEWS ON CRISPR/CAS9 TECHNOLOGY. NATIONAL MOLECULAR MEDICINE CONGRESS; 2016: SID.

NOROZI LEILA S, MOHAMMAD, SALEHI R, SHARIFI M, MOGHBELINEJAD S, editors. APPLICATIONS OF THE CRISPR-CAS9 SYSTEM IN CANCER RESEARCHES. NATIONAL MOLECULAR MEDICINE CONGRESS; 2016: Scientific Information Database.

Computer Skills

Microsoft office (Word, PowerPoint, Excel),
Bioinformatics Software

Foreign Language

Language	Conversation	Translation	Writing	Reading
English	Good	Good	Good	Good

Honors and Awards year

Iran's first graduating PhD in Molecular Medicine	2013
Rank 1 in PhD of Molecular Medicine, Isfahan University of Medical Sciences	2013
Winner of Shahid Motahari Award for Top ranked education	2012
Winner of Shahid Rajai Award for National employee	2001
Top student in the Department of Anatomy and Molecular Biology	2011
Top expert of the Ministry of Health and Medical Education	2002