



CURRICULUM VITAE

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Qualifications:

- PhD (Molecular Medicine), Tehran University of Medical Sciences, Tehran, Iran (2019).
- MSc (Genetics), Shahid Beheshti University, Tehran, Iran (2008).
- BSc (Genetics), Shahid Chamran University, Ahvaz, Iran (2006).

Current Appointment:

- Research Assistant, Department of Genetic, Avicenna Research Institute, Tehran, Iran.

Research Interests:

- Molecular genetics of human diseases, especially cancer and infertility.

Teaching Experience:

- Teaching Genetics, Cell and Molecular Biology in the Payame-Noor University, 2006-2008.
- Lecturer of primer designing workshop: Avicenna Research Institute (1390), Parsgene Medical and Laboratory Equipment (1393), and Alborz University of Medical Sciences (1396).

Finished Projects:

- Designing & production of 14 high-risk HPVs detection kit.
- Designing & production of Mycoplasma detection kit.
- Designing & production of SARS-Cov2 RT-qPCR detection kit.
- Assessment of mitochondrial microRNAs as a potential cause of asthenospermia.
- Analysis of microRNAs as potential biomarkers for detection of gastric cancer.

- Analysis of DNA methylation as biomarkers for detection of gastric cancer.
 - Analysis of CTAGE5 P521A variation with the risk of Fahr’s Syndrome.
 - Detection of RB1 mutation in Iranian Retinoblastoma patients.
 - High resolution melting curve analysis in mutation of the RB1 gene.
 - Fetal sex determination using qPCR analysis of cffDNA in maternal plasma.
 - Evaluation of candidate genes polymorphisms in endometriosis.
 - Expression of the DAZ genes in non-obstructive azoospermic patients.
 - Analysis of AZF microdeletions in azoospermic and oligozoospermic patients.
 - Analysis of Yq microdeletions and recurrent pregnancy loss.
 - Partial deletions/duplications of AZFc region in azoo/oligospermia.
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Techniques Expertise:

- DNA and RNA Extraction from tissue, cell line, blood, and plasma.
 - cDNA synthesis
 - PCR (Singleplex, multiplex, and methylation specific) and quantitative PCR
 - Mutation analysis by RFLP, ARMS-PCR, and sequencing
 - Gel electrophoresis: Agarose and PAGE
 - Cell culture
 - Bioinformatics tools available at NCBI, Ensemble and UCSC genome browser
 - microRNA databases: microRNA annotation and target prediction
 - Primer designing: Methylation, microRNAs, Real-time PCR, RFLP and ARMS-PCR
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Honor:

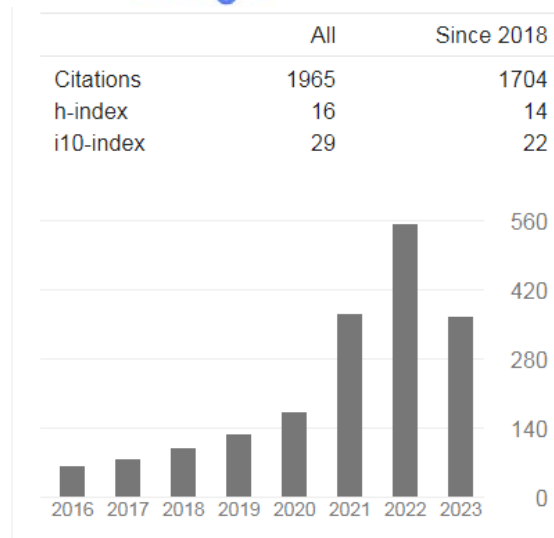
- Fourth place in the 8th Student Biology Olympiad (1206)
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Hobbies:

- I like photography and some of my photographs are available in <https://www.flickr.com/photos/51788721@N08/>
 - Graphic designing using Adobe Photoshop software
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Languages:

Kurdish, Persian, and English



Publications:

1. Fakhraie Gh, Ghanavi J, [Saliminejad K](#), Farnia P. Investigating the association of IL12B and INFG Polymorphisms with the risk of pseudoexfoliation syndrome and glaucoma. *Biomed Biotechnol Res.* 2023;(7)1.
2. Lakpour N, Ghods R, Sadeghi MR, Ranjbar MM, Abolhasani M, Kiani J, [Saliminejad K](#), Balay-Goli L, Bayat AA, Sourfi F, Madjd Z. Production and characterization of a new specific monoclonal antibody against A-isoform of SALL4: A novel emerging testicular cancer marker. *Andrologia.* 2022;54:e14608.
3. Mirzadegan E, Golshahi H, Saffarian Z, Edalatkhah H, Darzi M, Khorasani S, [Saliminejad K](#), Kazemnejad S. Application of Menstrual Blood Derived Stromal (stem) Cells Exert Greater Regenerative Potency Than Fibroblasts/Keratinocytes in Chronic Wounds of Diabetic Mice. *Avicenna J Med Biotechnol.* 2023;15:139-156.
4. [Saliminejad K](#), et al. A panel of plasma miR-18a, miR-21, and miR-125b as a potential diagnostic biomarker for gastric cancer. *Avicenna J Med Biotechnol* 2022;14:278-86
5. Mirzadegan E, Golshahi H, Saffarian Z, Darzi M, Khorasani S, Edalatkhah H, [Saliminejad K](#), Kazemnejad S. The remarkable effect of menstrual blood stem cells seeded on bilayer scaffold composed of amniotic membrane and silk fibroin aiming to promote wound healing in diabetic mice. *Int Immunopharmacol.* 2022;102:108404.
6. Ghaemimanesh F, Mehravar M, Milani S, Poursani EM, [Saliminejad K](#). The multifaceted role of sortilin/neurotensin receptor 3 in human cancer development. *J Cell Physiol.* 2021;236:6271-81.
7. Lakpour N, [Saliminejad K](#), et al. Potential biomarkers for testicular germ cell tumour: Risk assessment, diagnostic, prognostic and monitoring of recurrence. *Andrologia.* 2021;53:e13998.
8. Soleymani Fard S, Yazdanbod M, Bashash D, Sotoudeh M, Kouchaki S, Mahmoodzadeh H, [Saliminejad K](#), et al. Overexpression of androgen receptor is associated with progression, metastasis and unfavorable outcome: highlighting prognostic and therapeutic value of AR in gastric cancer. *Onco Targets Ther.* 2020;13:9821-37.
9. Soleymani Fard S, Yazdanbod M, Sotoudeh M, Bashash D, Mahmoodzadeh H, [Saliminejad K](#), et al.

Prognostic and Therapeutic Significance of Androgen Receptor in Patients with Gastric Cancer. *Onco Targets Ther.* 2020;13:9821-37.

10. Soleymani Fard S, Sotoudeh M, [Saliminejad K](#), *et al.* Investigation of the Correlation between Androgen Receptor and ZEB1 and its Value in Progression of Gastric Cancer. *Avicenna J Med Biotechnol* 2020;12:52-60.
11. Heidary Z, Zaki M, [Saliminejad K](#), Khorram Khorshid HR. miR-4485-3p expression reduced in spermatozoa of men with unexplained asthenozoospermia. *Andrologia.* 2020;52:e13539.
12. [Saliminejad K](#), *et al.* Methylation of plasma APC, P16, RASSF1A and RPEM as a potential diagnostic biomarker for gastric cancer: A validation study. *Avicenna J Med Biotechnol.* 2020;12:99-106.
13. [Saliminejad K](#), *et al.* Why have microRNA biomarkers not been translated from bench to clinic? *Future Oncol.* 2019;15:801-03.
14. [Saliminejad K](#), *et al.* An overview of microRNAs: Biology, functions, therapeutics, and analysis methods. *J Cell Physiol.* 2019;234:5451-65.
15. Fard SS, [Saliminejad K](#), *et al.* The correlation between EGFR and Androgen Receptor Pathways: A Novel Potential Prognostic Marker in Gastric Cancer. *Anticancer Agents Med Chem.* 2019;19:2097-107.
16. Badie A, [Saliminejad K](#), *et al.* Interleukin 1 Alpha (IL1A) Polymorphisms and Risk of Endometriosis in Iranian Population: A Case-Control Study. *Gynecol Endocrinol.* 2020;36:135-8.
17. Heidary Z, Zaki-Dizaji M, [Saliminejad K](#), Khorramkhorshid HR. Expression Analysis of the CRISP2, CATSPER1, PATE1 and SEMG1 in the Sperm of Men with Idiopathic Asthenozoospermia. *J Reprod Infertil.* 2019;20:70-5.
18. Darbandi M, Darbandi S, Agarwal A, Baskaran S, Sengupta P, Dutta S, Mokarram P, [Saliminejad K](#), Sadeghi MR. Oxidative stress-induced alterations in seminal plasma antioxidants: Is there any association with keap1 gene methylation in human spermatozoa? *Andrologia.* 2019;51:e13159.
19. Heidary Z, Zaki M, [Saliminejad K](#), Khorram Khorshid HR. MicroRNA profiling in spermatozoa of men with unexplained asthenozoospermia. *Andrologia.* 2019;e13284.
20. Heidary Z, [Saliminejad K](#), *et al.* Genetic Aspect of Idiopathic Asthenozoospermia as a Cause of Male Infertility. *Hum Fertil.* 2018;1-10.
21. Jafarian Z, [Saliminejad K](#), *et al.* Association of glutathione S-transferases M1, P1 and T1 variations and risk of late-onset Alzheimer's disease. *Neurol Res.* 2018;40:41-4.
22. Fayez D, [Saliminejad K](#), *et al.* Arylamine N-acetyltransferase 2 Polymorphisms and the Risk of Endometriosis. *Avicenna J Med Biotechnol.* 2018;10:163-7.
23. Farrokhi Karibozorg H, Masoudian N, [Saliminejad K](#), *et al.* Association of the WNT3 Variations and the Risk of Non-Syndromic Cleft Lip and Palate in a Population of Iranian Infants. *Avicenna J Med Biotechnol.* 2018;10:168-72.
24. Bazazzadegan N, Dehghan Shasaltaneh M, [Saliminejad K](#), *et al.* Effects of Herbal Compound (IMOD) on Behavior and Expression of Alzheimer's Disease Related Genes in Streptozotocin-Rat Model of Sporadic Alzheimer's Disease. *Adv Pharm Bull.* 2017;7:491-4.
25. Bazazzadegan N, Dehghan Shasaltaneh M, [Saliminejad K](#), *et al.* Effects of Ectoine on Behavior and Candidate Genes Expression in ICV-STZ Rat Model of Sporadic Alzheimer's Disease. *Adv Pharm Bull.* 2017;7:629-36.

26. Bazazzadegan N, Dehghan Shasaltaneh M, [Saliminejad K](#), *et al.* The Effects of Melilotus officinalis Extract on Expression of Daxx, Nfkb and Vegf Genes in the Streptozotocin-Induced Rat Model of Sporadic Alzheimer's Disease. *Avicenna J Med Biotechnol.* 2017;9:133-7.
27. Saket M, [Saliminejad K](#), *et al.* BMP2 and BMP4 variations and risk of non-syndromic cleft lip and palate. *Arch Oral Biol.* 2016;72:134-7.
28. Alimardanian L, [Saliminejad K](#), *et al.* Analysis of partial azoospermia factor c deletion and DAZ copy number in azoospermia and severe oligozoospermia. *Andrologia.* 2016;48:890-4.
29. Soleimani E, [Saliminejad K](#), *et al.* Association study of the common polymorphisms in the folate-methionine pathway with retinoblastoma. *Ophthalmic Genet.* 2016;37:384-7.
30. Hassani M, [Saliminejad K](#), *et al.* Association study of GST polymorphisms and risk of endometriosis in an Iranian population. *Int J Reprod Biomed.* 2016;14:241-6.
31. Daneshmand P, [Saliminejad K](#), *et al.* Neuroprotective Effects of Herbal Extract on Rat Model of Sporadic Alzheimer's Disease. *Avicenna J Med Biotechnol.* 2016;8:120-5.
32. [Saliminejad K](#), *et al.* Association of common variations of the E-cadherin with endometriosis. *Gynecol Endocrinol.* 2015;31:899-902.
33. Anvar NE, [Saliminejad K](#), *et al.* Association between polymorphisms in Interleukin-16 gene and risk of late-onset Alzheimer's disease. *J Neurol Sci.* 2015;358:324-7.
34. [Saliminejad K](#), *et al.* Variations of the DNA Repair Genes XRCC1 and XRCC4 with the Risk of Endometriosis. *Gynecol Obstet Invest.* 2015; 80:85-8.
35. Ebadifar A, Hamedi R, Khorram Khorshid HR, [Saliminejad K](#), *et al.* Association of TGF α Polymorphisms with Nonsyndromic Cleft Lip and Palate in Iranian Population. *Avicenna J Med Biotechnol.* 2015;7:168-72.
36. Esmaeili Anvar N, [Saliminejad K](#), *et al.* Association between Polymorphisms in Interleukin-16 and Risk of Late-Onset Alzheimer's Disease. *J Neurol Sci.* 2015;358:324-7.
37. Hejazi E, Nasrollahzadeh J, Fatemi R, Barzegar-Yar Mohamadi L, [Saliminejad K](#), *et al.* Effects of Combined Soy Isoflavone Extract and Docetaxel Treatment on Murine 4T1 Breast Tumor Model. *Avicenna J Med Biotechnol.* 2015;7:16-21.
38. [Saliminejad K](#), *et al.* DNA repair gene XRCC1 and XRCC4 variations and risk of endometriosis: an association study. *Gynecol Obstet Invest.* 2015;80:85-8.
39. Soosanabadi M, Bayat H, Kamali K, [Saliminejad K](#), *et al.* Association Study of IL-4 -590 C/T and DDX39B -22 G/C Polymorphisms with the Risk of Late-Onset Alzheimer's Disease in Iranian Population. *Curr Aging Sci.* 2015;8:276-81.
40. Khorram Khorshid HR, Gozalpour E, [Saliminejad K](#), *et al.* Vitamin D Receptor Polymorphisms and Late-Onset Alzheimer's Disease: An Association Study. *Iran J Public Health.* 2013;41:1253-8.
41. Ashtari F, [Saliminejad K](#), *et al.* Mutation Analysis of SLC20A2 and SPP2 as Candidate Genes for Familial Idiopathic Basal Ganglia Calcification. *Avicenna J Med Biotechnol.* 2013;5:251-6.
42. [Saliminejad K](#), *et al.* Rapid Detection of RB1 Recurrent Mutations in Retinoblastoma by ARMS-PCR. *J Genet.* 2013; 29:92:36-40.
43. [Saliminejad K](#), *et al.* Association Study of TNF- α -1031T/C and VEGF+450G/C Polymorphisms with Susceptibility to Endometriosis. *Gynecol Endocrinol.* 2013;29:974-7.
44. Keller A, Westenberger A, Sobrido MJ, García-Murias M, Domingo A, Sears RL, Lemos RR, Ordoñez-Ugalde A, Nicolas G, da Cunha JE, Rushing EJ, Hugelshofer M, Wurnig MC, Kaech A, Reimann R, Lohmann K, Dobričić V, Carracedo A, Petrović I, Miyasaki JM, Abakumova I, Mäe MA, Raschperger E,

- Zatz M, Zschiedrich K, Klepper J, Spiteri E, Prieto JM, Navas I, Preuss M, Dering C, Janković M, Paucar M, Svenningsson P, [Saliminejad K](#), *et al.* Mutations in the Gene Encoding PDGF-B Cause Brain Calcifications in Humans and Mice. *Nat Genet.* 2013;45:1077-82.
45. Ahani A, Akbari MT, [Saliminejad K](#), *et al.* Screening for Large Rearrangements of the RB1 Gene in Iranian Patients with Retinoblastoma Using Multiplex Ligation-Dependent Probe Amplification. *Mol Vis.* 2013;19:454-62.
 46. [Saliminejad K](#), *et al.* Analysis of the CTAGE5 P521A Variation with the Risk of Familial Idiopathic Basal Ganglia Calcification in an Iranian Population. *J Mol Neurosci.* 2013;49:614-7.
 47. Zahery SM, [Saliminejad K](#), *et al.* Genotyping of Polymorphic Microsatellite Markers Linked to RB1 Locus in Iranian Population. *Avicenna J Med Biotechnol.* 2012;4:193-9.
 48. [Saliminejad K](#), *et al.* Discrepancy in the Frequency of Y Chromosome Microdeletions among Iranian Infertile Men with Azoospermia and Severe Oligozoospermia. *Genet Test Mol Biomarkers.* 2012;16:931-4.
 49. [Saliminejad K](#), Khorram Khorshid HR. Contradictory Results in "Yq Microdeletions in Infertile Men from Northern India" by Mittal *et al.* (Ann. Genet. 47 (2004) 331-337). *Eur J Med Genet.* 2012;55:156.
 50. [Saliminejad K](#), Ahani A, Khorshid HR. Perspectives and Editorials: Letter to the Editor. *J Androl.* 2012;33:1128-9.
 51. Ghorbian S, [Saliminejad K](#), *et al.* The Association between Y Chromosome Microdeletion and Recurrent Pregnancy Loss. *Iran Red Crescent Med J.* 2012;14:358-62.
 52. [Saliminejad K](#), Khorshid HR. Methodological Errors in Screening of Yq Microdeletion in Iranian Azoospermic Men. *Indian J Med Res.* 2012;135:137-8.
 53. [Saliminejad K](#), Khorram Khorshid HR. Comments on the AZFc Markers Used for Screening of Yq Microdeletions. *J Assist Reprod Genet.* 2012;29:281-2.
 54. Zargari M, Sadeghi MR, Shahosseiny MH, Kamali K, [Saliminejad K](#), *et al.* Fetal Sex Determination using Non-Invasive Method of Cell-free Fetal DNA in Maternal Plasma of Pregnant Women During 6-10th Weeks of Gestation. *Avicenna J Med Biotechnol.* 2011;3:201-6.
 55. [Saliminejad K](#), Khorshid HR. Discrepancy in the Results of Y Chromosome Microdeletions in an Iranian Population. *J Hum Reprod Sci.* 2011;4:157.
 56. Memariani T, [Saliminejad K](#), *et al.* Association of VEGF +405 G>C Polymorphism with Endometriosis in Iranian Population. *J Reprod Infertil.* 2010;11:33-7.
 57. Aarabi M, [Saliminejad K](#), *et al.* Deletion and Testicular Expression of DAZ Gene in Patients with Non-Obstructive Azoospermia. *Iran J Public Health.* 2009;38:17-23.