


CURRICULUM VITAE- Nasrollah Erfani, PhD

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<p>Personals: Date of Birth: November 28, 1973 Place of Birth: Behbahan, Iran Residency: Shiraz, Iran Marital status: Married Child: 2</p>	
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UNIVERSITY APPOINTMENT:

- ☒ Assistant Professor of Medical Immunology, Shiraz University of Medical Sciences, Shiraz, Iran, 2008-2012
- ☒ Associate Professor of Medical Immunology, Shiraz University of Medical Sciences, Shiraz, Iran, 2012 – 2017
- ☒ Professor of Medical Immunology, Shiraz University of Medical Sciences, Shiraz, Iran, 2017– present

QUALIFICATIONS and TRAININGS

- ☒ Ph.D. in Medical Immunology, School of Medicine, Shiraz University of Medical Sciences, Shiraz, Iran, 2002 – 2008
- ☒ Sabbatical during PhD (Scholarship from Iranian Ministry of Health and Medical Education): Cancer Proteomics, Joint proteomics laboratory (JPSL), Ludwig Institute for Cancer Research, Melbourne, Australia. April 2006-November 2006
- ☒ M.Sc. in Medical Immunology, School of Medicine, Shiraz University of Medical Sciences, Shiraz, Iran, 1999 - 2002
- ☒ B.Sc. in Biology, Faculty of Sciences, Razi University, Kermanshah, Iran, 1992-1996

Fellowships:

- Research fellowship, Shiraz University of Medical Sciences, Shiraz, Iran, 2013
- E-learning fellowship, Shiraz University of Medical Sciences, Shiraz, Iran. April to September 2012
- Medical education fellowship, Shiraz University of Medical Sciences, Shiraz, Iran. from November to December 2011

Honors during education:

- Member of "Gifted Talent Office"; Shiraz University of Medical Sciences during PhD study
- Honor postgraduate student of the University, Shiraz University of Medical Sciences, Years 2004 & 2005 & 2006
- PhD scholarship by the Shiraz University of Medical Sciences: 2003-2008
- First rank promoted in PhD written entrance-exam in Immunology, Iran's Ministry of health and medical education. 2002
- Honor MSc student of Immunology Department, Shiraz University of Medical Sciences, 2001

ADMINISTRATIONS

- Vice chancellor for Global Strategies and International Affairs (GSIA), Shiraz University of Medical Sciences, Shiraz, Iran, February 2015–Now
- Deputy to the Dean, and the Head of Cancer Immunology and Immunotherapy Group, Shiraz Institute for Cancer Research, Shiraz, Iran, 2008-now
- Head of "Faculty-member Affairs of the University Research Centers", Shiraz University of Medical Sciences- 2011–now

- Manager of “Scientific Resources and Medical Informatics”, Shiraz University of Medical Sciences, Shiraz, Iran, 2014–2015
- Head of the “Advanced Medical Technology Laboratories”, Shiraz University of Medical Sciences, Shiraz, Iran, 2013–2015

MEMBERSHIP

- Member, and the head of the university international council, Shiraz University of Medical Sciences, Shiraz Iran, January 2015-now
- Member of the university research council, Shiraz University of Medical Sciences, Shiraz Iran, June 2013-now
- Member of the university higher-education council, Shiraz University of Medical Sciences, Shiraz Iran, 2013- 2015
- Member of the stirring committee, Iran’s Cancer Research Network (March 2011-now)
- Member of the Cancer committee at Vice Chancellery for Health, Shiraz University of Medical Sciences (2010-2011)
- Iranian’s Society of Immunology & Allergy (<http://www.isiairan.net/>)
- Iranian’s Proteomics Society (<http://www.proteomics.ir/>)

SCIENTIFIC FIELDS OF INTEREST

Cancer Immunology & Immune cell therapy, NK cell therapy in Cancer, Molecular Medicine and Bioinformatics, Proteomics, Biological activity and Immune-modulatory effects of anticancer agents

ONGOING RESEARCHES

Currently working as the head of Cancer Immunology and Immunotherapy Research Group at Shiraz Institute for Cancer Research (ICR)

The main goals of the projects undertaken are:

- Immune cell therapy in cancer patients: Autologous NK cell therapy trial in collaboration with a Japanese university hospital is in progress
- Th17 and Regulatory T cells in cancer, new concepts and therapeutic applications
- Investigation of the immune response inhibitory state in patients with cancers
- Assessment of In-vitro anti-tumoral activity as well as immune effects of anticancer loaded nano/micro-particles and newly designed therapeutic agents
- Cancer Proteomics; biomarkers for screening, therapy and vaccine design
- Molecular analysis of the immune-related genes in patients with cancers
- Cancer Bio-bank

Citation Metrics; up to June 14, 2018:

➤ **Google Scholar Citations:**

- Total citations: 1228
- H-index: 20
- i10 index: 33

➤ **Scopus citation overview:**

- Total citations: 868
- H-index: 18

➤ **ISI citation report:**

- Total citations: 714
- H-index: 17

PUBLICATIONS

Symbols: *corresponding author, #The same contribution as the first author

1. Vakili B, Nezafat N, Hatam GR, Zare B, **Erfani N**, Ghasemi Y. Proteome-scale identification of *Leishmania infantum* for novel vaccine candidates: A hierarchical subtractive approach. *Comput Biol Chem*. 2018;72:16-25.
2. Pirdelkhosh Z, Kazemi T, Haghshenas MR, Ghayumi MA, **Erfani N***. Investigation of programmed cell death-1 (PD-1) gene variations at positions PD1.3 and PD1.5 in Iranian patients with non-small cell lung cancer. *Middle East Journal of Cancer*. 2018;9(1):13-7.
3. Negahdaripour M, Nezafat N, Eslami M, Ghoshoon MB, Shoolian E, Najafipour S, Morowvat, M. H., Dehshahri, A., **Erfani, N.**, Y. et al. Structural vaccinology considerations for in silico designing of a multi-epitope vaccine. *Infect Genet Evol*. 2018;58:96-109.
4. Negahdaripour M, Eslami M, Nezafat N, Hajighahramani N, Ghoshoon MB, Shoolian E, Dehshahri A, **Erfani N**, et al. A novel HPV prophylactic peptide vaccine, designed by immunoinformatics and structural vaccinology approaches. *Infect Genet Evol*. 2017;54:402-16.
5. Menezes J, Edraki N, Kamat SP, Khoshneviszadeh M, Kayani Z, Mirzaei HH, Miri R, **Erfani N**, et al. Long Chain Alkyl Esters of Hydroxycinnamic Acids as Promising Anticancer Agents: Selective Induction of Apoptosis in Cancer Cells. *J Agric Food Chem*. 2017;65(33):7228-39.
6. Haghshenas MR, Ashraf MJ, Khademi B, Ghaderi A, **Erfani N**, Razmkhah M. Chemokine and chemokine receptor patterns in patients with benign and malignant salivary gland tumors: a distinct role for CCR7. *Eur Cytokine Netw*. 2017;28(1):27-35.
7. Namavar Jahromi F, Samadi M, Mojtahedi Z, Haghshenas MR, Taghipour M, **Erfani N***. Association of PD-1.5 C/T, but Not PD-1.3 G/A, with Malignant

- and Benign Brain Tumors in Iranian Patients. *Immunol Invest.* 2017; 46(5):469-80.
8. Haghshenas MR, Dabbaghmanesh MH, Miri A, Ghaderi A, *Erfani N**. Association of PDCD1 gene markers with susceptibility to thyroid cancer. *J Endocrinol Invest.* 2017;40(5):481-6.
 9. Yadegari ZS, Akrami H, Hosseini SV, *Erfani N*. miR-146a gene polymorphism and susceptibility to gastric cancer. *Br J Biomed Sci.* 2016:1-3.
 10. Shahsavani MB, Ahmadi S, Aseman MD, Nabavizadeh SM, Rashidi M, Asadi Z, *Erfani N*, et al. Anticancer activity assessment of two novel binuclear platinum (II) complexes. *J Photochem Photobiol B.* 2016;161:345-54. eng.
 11. Khademi B, Tajvarpour M, Mojtahedi Z, Haghshenas MR, *Erfani N**. T-helper Type 1 and 2 Cytokine Levels in Patients with Benign and Malignant Salivary Gland Tumors. *Iran J Immunol.* 2016;13(1):9-15.
 12. Haghshenas MR, Khademi B, Ashraf MJ, Ghaderi A, *Erfani N**. Helper and cytotoxic T-cell subsets (Th1, Th2, Tc1, and Tc2) in benign and malignant salivary gland tumors. *Oral Dis.* 2016;22(6):566-72.
 13. Firouzabadi N, Ghazanfari N, Alavi Shoushtari A, *Erfani N*, Fathi F, Bazrafkan M, et al. Genetic Variants of Angiotensin-Converting Enzyme Are Linked to Autism: A Case-Control Study. *PLoS One.* 2016;11(4):e0153667.
 14. Faghieh Z, Shobeiri SS, Ariaifar A, Sarkarian M, Zeighami S, Nazari N, Abbasi-Sarvak S, *Erfani N**. CD8+ T Lymphocyte Subsets in Bladder Tumor Draining Lymph Nodes. *Iran J Immunol.* 2016;13(4):237-48. eng.
 15. Ebrahimi N, Rasoul-Amini S, Niazi A, *Erfani N*, Moghadam A, Ebrahiminezhad A, et al. Cytotoxic and Apoptotic Effects of Three Types of Silver-Iron Oxide Binary Hybrid Nanoparticles. *Curr Pharm Biotechnol.* 2016;17(12):1049-57.
 16. Bahramali E, Firouzabadi N, Yavarian I, Shayesteh MR, *Erfani N*, Shoushtari AA, et al. Influence of ACE gene on differential response to sertraline versus fluoxetine in patients with major depression: a randomized controlled trial. *Eur J Clin Pharmacol.* 2016;72(9):1059-64.
 17. Mortazavi SMJ, *Erfani N**, Mozdarani H, Azmoonfar R, Shokrpour N. Induction of apoptosis by 900 MHz radiofrequency radiation emitted from a GSM mobile phone simulator in bystander jurkat cells. *Iranian Journal of Radiation Research.* 2015;13(2):181-6.
 18. Mahmoudvand S, Safaei A, *Erfani N*, Sarvari J. Presence of Human Papillomavirus DNA in Colorectal Cancer Tissues in Shiraz, Southwest Iran. *Asian Pac J Cancer Prev.* 2015;16(17):7883-7.

19. Khodadad M, Hosseini SY, Shenavar F, **Erfani N**, Bina S, Ahmadian S, et al. Construction of expressing vectors including melanoma differentiation-associated gene-7 (Mda-7) fused with the rgd sequences for better tumor targeting. *Iranian Journal of Basic Medical Sciences*. 2015;18(8):780-7.
20. Haghshenas MR, Khademi B, Faghieh Z, Ghaderi A, **Erfani N***. Immune regulatory cells and IL17-producing lymphocytes in patients with benign and malignant salivary gland tumors. *Immunol Lett*. 2015;164(2):109-16.
21. Fazelzadeh Haghighi M, Ghayumi MA, Behzadnia F, **Erfani N***. Investigation of FOXP3 genetic variations at positions -2383 C/T and IVS9+459 T/C in southern Iranian patients with lung carcinoma. *Iranian Journal of Basic Medical Sciences*. 2015;18(5):465-71.
22. Farhadi T, Nezafat N, Ghasemi Y, Karimi Z, Hemmati S, **Erfani N**. Designing of Complex Multi-epitope Peptide Vaccine Based on Omeps of Klebsiella pneumoniae: An In Silico Approach. *Int J Pept Res Ther*. 2015;21(3):325-41.
23. **Erfani N**, Nazemosadat Z, Moein M. Cytotoxic activity of ten algae from the Persian Gulf and Oman Sea on human breast cancer cell lines; MDA-MB-231, MCF-7, and T-47D. *Pharmacognosy Res*. 2015;7(2):133-7.
24. Bina S, Shenavar F, Khodadad M, Haghshenas MR, Mortazavi M, Fattahi MR, **Erfani N**, et al. Impact of RGD peptide tethering to IL24/mda-7 (melanoma differentiation associated gene-7) on apoptosis induction in hepatocellular carcinoma cells. *Asian Pac J Cancer Prev*. 2015;16(14):6073-80.
25. Abdolahi F, Dabbaghmanesh MH, Haghshenas MR, Ghaderi A, **Erfani N***. A gene-disease association study of IL18 in thyroid cancer: genotype and haplotype analyses. *Endocrine*. 2015;50(3):698-707. eng.
26. Amidzadeh Z, Behbahani AB, **Erfani N**, Sharifzadeh S, Ranjbaran R, Moezi L, et al. Assessment of Different Permeabilization Methods of Minimizing Damage to the Adherence Cells for Detection of Intracellular RNA by Flow Cytometry. *Avicenna J Med Biotech*. 2014;6(1):38-46.
27. Tavakkoli M, Miri R, Jassbi AR, **Erfani N**, Asadollahi M, Ghasemi M, et al. Carthamus, Salvia and Stachys species protect neuronal cells against oxidative stress-induced apoptosis. *Pharm Biol*. 2014;52(12):1550-7.
28. **Erfani N**, Ahrari S, Ahrari I, Hosseini SV. CCR4 C1014T and CCL22 C16A Genetic Variations in the Iranian Patients with Colorectal Adenocarcinoma. *Iran J Allergy Asthma Immunol*. 2014;13(6):440-6.

29. Sarvari J, Mojtahedi Z, Kuramitsu Y, Fattahi MR, Ghaderi A, Nakamura K, **Erfani N***. Comparative Proteomics of Sera From HCC Patients With Different Origins. *Hepatitis monthly*. 2014 Jan;14(1):e13103.
30. Zangeneh Z, Golmoghaddam H, Emad M, **Erfani N**, Doroudchi M. Elevated PD-1 expression and decreased telomerase activity in memory T cells of patients with symptomatic Herpes Zoster infection. *Cell Mol Biol* (Noisy-le-grand). 2014;60(4):13-21.
31. **Erfani N**, Hamed-Shahraki M, Rezaeifard S, Haghshenas M, Rasouli M, Samsami Dehaghani A. FoxP3+ regulatory T cells in peripheral blood of patients with epithelial ovarian cancer. *Iran J Immunol*. 2014;11(2):105-12.
32. **Erfani N**, Nedaei Ahmadi AS, Ghayumi MA, Mojtahedi Z. Genetic Polymorphisms of CCL22 and CCR4 in Patients with Lung Cancer. *Iranian journal of medical sciences*. 2014;39(4):367-73.
33. Faghih Z, **Erfani N[#]**, Haghshenas MR, Safaei A, Talei AR, Ghaderi A. Immune profiles of CD4+ lymphocyte subsets in breast cancer tumor draining lymph nodes. *Immunol Lett*. 2014;158(1-2):57-65.
34. Mojtahedi Z, Khademi B, **Erfani N**, Taregh Y, Rafati Z, Malekzadeh M, et al. Serum level of interleukins 7 and 8 in head and neck squamous cell carcinoma. *Indian J Cancer*. 2014;51:227-30.
35. Faghih Z, Rezaeifard S, Safaei A, Ghaderi A, **Erfani N***. IL-17 and IL-4 Producing CD8+ T Cells in Tumor Draining Lymph Nodes of Breast Cancer Patients: Positive Association with Tumor Progression. *Iran J Immunol*. 2013 Dec;10(4):193-204.
36. Faghih Z, **Erfani N[#]**, Haghshenas MR, Safaei A, Talei AR, Ghaderi A. Immune profiles of CD4+ lymphocyte subsets in breast cancer tumor draining lymph nodes. *Immunol Lett*. 2013 Dec 8;158(1-2):57-65.
37. Mojtahedi Z, **Erfani N***, Haghshenas MR, Hosseini SV, Ghaderi A. Association of FoxP3/Scurfin germline polymorphism (C-2383T/rs3761549) with colorectal cancer. *Annals of colorectal diseases*. 2013;1(1):12-6.
38. Yousefi AR, Karimi MH, Shamsdin SA, Mehrabani D, Hosseini SV, **Erfani N**, et al. Investigation of PD1 gene polymorphisms in a group of Iranian patients with colorectal cancer. *Lab Medicine*. 2013;44(3):241-4.
39. Dehaghani AS, Karimaghaei N, Parsanezhad ME, Malekzadeh M, Mehrzmay M, **Erfani N***. Anti nuclear antibodies in patients with polycystic ovary syndrome pre and post laparoscopic electrocauterization. *IJMS*. 2013 Jun;38(2 Suppl):187-90.

40. **Erfani N**, Khademi B, Haghshenas MR, Mojtahedi Z, Khademi B, Ghaderi A. Intracellular CTLA4 and Regulatory T Cells in Patients with Laryngeal Squamous Cell Carcinoma. *Immunol Invest.* 2013 Dec 19;42(2):81-90. PubMed PMID: 23252863.
41. Farjadian S, Rahimifar S, **Erfani N**, Lotfi R. Effect of Thermal Stress on MICA/B Induction in a Human Liposarcoma Cell Line. *Iranian journal of immunology : IJI.* 2013 Mar;10(1):31-9.
42. Khandani M, Sedaghat T, **Erfani N**, Haghshenas MR, Khavasi HR. Synthesis, spectroscopic characterization, structural studies and antibacterial and antitumor activities of diorganotin complexes with 3-methoxysalicylaldehyde thiosemicarbazone. *Journal of Molecular Structure.* 2013;1037:136-43.
43. Mojtahedi Z, **Erfani N**, Malekzadeh M, Haghshenas MR, Ghaderi A, Samsami Dehaghani A. HER2 Ile655Val Single Nucleotide Polymorphism in Patients with Ovarian Cancer. *Iranian Red Crescent medical journal.* 2013 Jan;15(1):1-3. PubMed PMID: 23487505. Pubmed Central PMCID: PMC3589767.
44. Mohammadi-Samani S, Miri R, Salmanpour S, Khalighian N, Sotoudeh S, **Erfani N**. Preparation and assessment of chitosan-coated superparamagnetic Fe₃O₄ nanoparticles for controlled delivery of methotrexate. *Research in Pharmaceutical Sciences.* 2013;8(1):25-33.
45. **Erfani N**, Haghshenas MR, Hoseini MA, Hashemi SB, Khademi B, Ghaderi A. Strong Association of CTLA-4 Variation (CT60A/G) and CTLA-4 Haplotypes with Predisposition of Iranians to Head and Neck Cancer. *Iranian journal of immunology: IJI.* 2012 Sep;9(3):188-98. PubMed PMID: 23023383.
46. **Erfani N**, Mehrabadi SM, Ghayumi MA, Haghshenas MR, Mojtahedi Z, Ghaderi A, et al. Increase of regulatory T cells in metastatic stage and CTLA-4 over expression in lymphocytes of patients with non-small cell lung cancer (NSCLC). *Lung Cancer.* 2012 Aug;77(2):306-11. PubMed PMID: 22608141.
47. **Erfani N**, Moghaddasi-Sani F, Razmkhah M, Haghshenas MR, Talei A, Ghaderi A. CCL22 16C/A Genetic Variation is not Associated with Breast Carcinoma in Southern Iranian Population. *Iranian journal of immunology : IJI.* 2012 Dec;9(4):226-33. PubMed PMID: 23268288.
48. Khaghanzadeh N, Mojtahedi Z, Ramezani M, **Erfani N**, Ghaderi A. Umbelliprenin is cytotoxic against QU-DB large cell lung cancer cell line but anti-proliferative against A549 adenocarcinoma cells. *DARU Journal of Pharmaceutical Sciences.* 2012 30 October 2012;20(1):69.
49. Mojtahedi Z, **Erfani N**, Ghaderi A. Comparative proteomics analysis of SKBR3 and MCF7 breast cancer cell lines using two dimensional

- electrophoresis: Ready to build postgenomics capacity for OMICS R&D in developing countries? *Current Pharmacogenomics and Personalized Medicine*. 2012;10(2):132-7.
50. Mojtahedi Z, Khademi B, **Erfani N**, Taregh Y, Rafati Z, Malekzadeh M, et al. Serum levels of interleukins 7 and 8 in head and neck squamous cell carcinoma. *Indian Journal of Otolaryngology and Head & Neck Surgery*. . 2012 Feb;126(2):175-9. PubMed PMID: 21888745.
 51. Mojtahedi Z, Mohmedi M, Rahimifar S, **Erfani N**, Hosseini SV, Ghaderi A. Programmed death-1 gene polymorphism (PD-1.5 C/T) is associated with colon cancer. *Gene*. 2012 Oct 25;508(2):229-32. PubMed PMID: 22892379.
 52. Razmkhah M, Jaberipour M, Safaei A, Talei AR, **Erfani N**, Ghaderi A. Chemokine and chemokine receptors: a comparative study between metastatic and nonmetastatic lymph nodes in breast cancer patients. *European cytokine network*. 2012 Jul-Sep;23(3):72-7. PubMed PMID: 23078970.
 53. Soltani MH, Kalantari T, Karimi MH, **Erfani N**, Kamali Sarvestani E. Evaluation of the immunomodulatory effect of curdlan on maturation and function of mouse spleen-derived dendritic cells. *Iranian journal of immunology: IJI*. 2012 Sep;9(3):168-74. PubMed PMID: 23023381.
 54. Yousefipour GA, Haghshenas MR, Yahyazadeh S, **Erfani N**. Stromal cell derived factor-1 genetic variation at locus 801 in patients with myasthenia gravis. *Iranian journal of immunology: IJI*. 2011;8(2):90. eng.
 55. Razmkhah M, Jaberipour M, **Erfani N**, Habibagahi M, Talei A-r, Ghaderi A. Adipose derived stem cells (ASCs) isolated from breast cancer tissue express IL-4, IL-10 and TGF-[beta]1 and upregulate expression of regulatory molecules on T cells: Do they protect breast cancer cells from the immune response? *Cellular Immunology*. 2011;266(2):116-22.
 56. Haghshenas M, Naeimi S, Talei A, Ghaderi A, **Erfani N**. Program death 1 (PD1) haplotyping in patients with breast carcinoma. *Molecular Biology Reports*. 2011;38(6):4205-10. eng.
 57. **Erfani N**, Ghaderi A. Response to ctla-4 gene variations in southern Iranian patients with cervical cancer. *Gynecologic Oncology*. 2011;121(3):641-2.
 58. Naeimi S, **Erfani N**, Solimanipoor M. Investigation of C-C Chemokine Receptor type 4 (CCR4) gene polymorphism in patients with Gestational Trophoblastic Diseases (GTD). *Armaghan Danesh*. 2011;16(3):262-71. Per.
 59. Naeimi S, **Erfani N**. Investigation of single nucleotide polymorphism of the CCL22 gene at position 16C/A in patients with gestational trophoblastic disease. *Journal of Birjand University of Medical Sciences*. 2011;18(2):86-93. Per.

60. Naeimi S, Bagheri K, **Erfani N**. Cytotoxic T lymphocyte associated molecule -4 (CTLA-4) gene polymorphisms in ovarian cancer patients. ***Behboud: Kermanshah University of Medical Sciences***. 2010;12(3):251-7. Per.
61. Rahimifar S, **Erfani N**, Sarraf Z, Ghaderi A. ctla-4 gene variations may influence cervical cancer susceptibility. ***Gynecol Oncol***. 2010;119(1):136-9..
62. **Erfani N**, Ghayumi MA, Ghaderi A. CTLA4 gene variations and haplotypes in patients with lung cancer. ***Cancer Genet Cytogenet***. 2010;196(2):171-4.
63. **Erfani N**, Razmkhah M, Ghaderi A. Circulating soluble CTLA4 (sCTLA4) is elevated in patients with breast cancer. ***Cancer Invest***. 2010;28(8):828-32.
64. Yousefipour G, **Erfani N**, Momtahan M, Moghaddasi H, Ghaderi A. CTLA4 exon 1 and promoter polymorphisms in patients with multiple sclerosis. ***Acta Neurol Scand***. 2009;120(6):424-9.
65. Shayan S, Abdi AR, Zibaenezhad MJ, Haghshenas MR, **Erfani N**, Ghaderi A. Interleukin-18 gene polymorphism in patients with and without atherosclerotic coronary artery disease. ***Iranian Cardiovascular Research Journal***. 2009;3(3):158-63.
66. Farjadfar A, Mojtahedi Z, Ghayumi MA, **Erfani N**, Haghshenas MR, Ghaderi A. Interleukin-18 promoter polymorphism is associated with lung cancer: a case-control study. ***Acta Oncol***. 2009;48(7):971-6.
67. Faghih Z, **Erfani N**, Razmkhah M, Sameni S, Talei A, Ghaderi A. Interleukin13 haplotypes and susceptibility of Iranian women to breast cancer. ***Mol Biol Rep***. 2009;36(7):1923-8.
68. Khademi B, Razmkhah M, **Erfani N**, Gharagozloo M, Ghaderi A. SDF-1 and CCR5 genes polymorphism in patients with head and neck cancer. ***Pathol Oncol Res***. 2008;14(1):45-50.
69. Ji H, **Erfani N**, Tauro BJ, Kapp EA, Zhu HJ, Moritz RL, et al. Difference gel electrophoresis analysis of Ras-transformed fibroblast cell-derived exosomes. ***Electrophoresis***. 2008;29(12):2660-71.
70. Arandi N, Talei A, **Erfani N**, Ghaderi A. Intercellular adhesion molecule-1 genetic markers (+241G/A and +469A/G) in Iranian women with breast cancer. ***Cancer Genet Cytogenet***. 2008;183(1):9-13.
71. Hadinia A, Hossieni SV, **Erfani N**, Saberi-Firozi M, Fattahi MJ, Ghaderi A. CTLA-4 gene promoter and exon 1 polymorphisms in Iranian patients with gastric and colorectal cancers. ***J Gastroenterol Hepatol***. 2007;22(12):2283-7.

72. *Erfani N*, Razmkhah M, Talei AR, Pezeshki AM, Doroudchi M, Monabati A, et al. Cytotoxic T lymphocyte antigen-4 promoter variants in breast cancer. *Cancer Genet Cytogenet.* 2006;165(2):114-20.
73. Almasi S, *Erfani N*, Mojtahedi Z, Rajaei A, Ghaderi A. Association of CTLA-4 gene promoter polymorphisms with systemic sclerosis in Iranian population. *Genes Immun.* 2006;7(5):401-6.
74. Razmkhah M, Doroudchi M, Ghayumi SM, *Erfani N*, Ghaderi A. Stromal cell-derived factor-1 (SDF-1) gene and susceptibility of Iranian patients with lung cancer. *Lung Cancer.* 2005;49(3):311-5.

Participation in Congresses and Symposiums

- More than 100 oral or poster presentations at international congresses
- Scientific Secretary of the Second National Symposium on “Immune cell Therapy”, 16 Feb 2017, Shiraz, Iran
- Member of the Scientific committee at:
 - the 1st International Student Congress on Cell & Molecular Medicine (ISCCMM) 17-19 Feb 2011, Shiraz, Iran
 - the 11th International Congress of Immunology & Allergy of Iran, April 26-29, 2012, Tehran, Iran
 - the 12th International Congress of Immunology & Allergy of Iran, April 29- May 2, 2014, Tehran, Iran
 - the 13th International Congress of Immunology & Allergy of Iran, April 2016, Tabriz, Iran
 - the 14th International Congress of Immunology & Allergy of Iran, April 2018, Tehran, Iran

EXPERINCES and SKILLS

Laboratov Skills:

1. Expert in cell culture, Flowcytometry and several other immunological based techniques including: Immunohistochemistry, ELISA, IF (ANA), RIA, MLC, Proliferation assay, NK activity, HLA typing, and Immunoelectrophoresis
2. Expert in molecular based techniques including: DNA sequencig and bioinformatics anlaysis, Fragment-analysis, DHPLC, DNA extraction from blood and tissues, PCR (different types), RFLP, SSCP, SDS-PAGE, DNA PAG & Agarose Gel Electrophoresis
3. Protein preparation for proteomics from hole cell lysate, cell secreted vesicles and body fluids, Western blotting, 2DE, 2DE-DIGE

Computer skills:

1. Proficient with **Bioinformatics** software packages, including: **DNAsisMax**, **Gene Runner**, **DNAsstar**, and MASCOT search engine
2. Proficient with Flowcytometric analysis using **CellQuest**, **CellQuest-Pro** and **FACS-DIVA** software packages.
3. Expert in **Arlequin**; the software package for **population genetics** and haplotyp analysis
4. Familiar with **Biostatistics** software packages, including: SPSS (both data assembly and analysis) and EpiInfo
5. Expert in **bibliography (reference managing)** software packages: "EndNote" and "Reference Manager"
6. Expert in **WebSite design** and management using IcarusPLus software package.
7. Proficient in using **electronic data banks** including: PubMed, My NCBI, ISI, Elsevier, EBSCO, Springer and etc.

Teaching Experiences:

1. Teaching Immunology to undergraduate and post graduate students of medical sciences, Shiraz university of Medical sciences, Shiraz, Iran, 2016-now
2. Teaching Immunology, immunogenetics, immunotherapy, targeted therapy, advances in molecular methods, and cell culture to the PhD student of medical medicine, Graduate school of advanced medical sciences and technologies, Shiraz university of Medical sciences, Shiraz, Iran, 2013-now
3. Teaching cell culture, genetic engineering and molecular diagnosis for PhD student of medical biotechnology, Graduate school of advanced medical sciences and technologies, Shiraz university of Medical sciences, Shiraz, Iran, 2012-now
4. Teaching advanced Immunology, immunochemistry and immunological methods to the PhD & MSc students of Immunology, Department of Immunology, School of medicine, Shiraz Medical school, Shiraz, Iran, 2013
5. Teaching advanced Immunology to the Phd-by-research students, Shiraz Medical School, Shiraz Iran, 2011-now
6. Teaching immunology to the faculty fellowship candidates of GYN department, Shiraz Medical School, Shiraz Iran, 2011
7. Teaching applied Immunology to the PhD students of pharmaceutical biotechnology, Shiraz School of Pharmaceutical Sciences, Shiraz, Iran 2010-now
8. Teaching DNA sequencing (Applied bacteriology course) to the MSc students of microbiology department, Medical school, Shiraz Iran, 2010
9. Teaching Immunology to the PhD & MSc students of Immunology, Shiraz Medical school, 2004-2006
10. Teaching Immunology to the students of Medicine, Dentistry & Pharmacy, Shiraz Medical school, 2005
11. Teaching Immunology to the MSc students of Microbiology, Shiraz Medical school, 2003-2005
12. Teaching Immunology to the BSc students of Laboratory Sciences (Medical Lab Technology), Nursing & Midwifery. Shiraz university of Medical Sciences, 2003-2004

13. Teaching Immunology and serology to the students of laboratory sciences (Medical Lab Technology), JAHAD-E-DANESHGAHI, Phars, Iran - 2002
14. Teaching Immunological methods (as a teaching assistant) to the students of Medicine, Dentistry & Pharmacy Department of immunology, Medical school, Shiraz - Iran, 1999 -2002

Holding and teaching at the workshops:

1. Holding and teaching at more than 70 workshops on "EndNote, bibliographic software package", for faculty members and/or graduate students, Medical universities around the county. 2008-now
2. Holding and teaching at more than 13 Workshops on "Flowcytoetry, basics and applications", for faculty members and/or post graduate students, Medical universities around the county. 2008-now
3. Holding and teaching at more than 16 workshops on "Research Profiles and Scientific Social Networks", for faculty members and/or graduate students, Medical universities around the county. 2012-now
4. Holding and teaching at more than 5 Workshops on "DNA sequencing", faculty members and post graduate students, Medical universities around the county. 2010-now
5. Teaching the "research methodology" to postgraduate students attending "Resident-as-a-teacher" training program held by EDC, Shiraz University of Medical Sciences, from September 17th to October 13th 2011.

HOBBIES

Swimming, Soccer, Poem, Music, Calligraphy, Movie