

CURRICULUM VITAE

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<p>Personals: Date of Birth: <i>November 9, 1975</i> Place of Birth: Shiraz, Iran Residency: Shiraz, Iran Marital status: Married Child: 1</p>	

EDUCATIONS

1. BSc. Degree in Biology, Faculty of Sciences, Shiraz University, Shiraz– Iran, 1995- 1999.
2. MSc. Degree in Immunology, Shiraz University of Medical Sciences. Shiraz - Iran, (2000- 2003),
(*Thesis:* HLA class I, CCR5 and SDF-1 genes polymorphisms in Iranian women with Breast cancer and their relationship with Tumor Prognostic Factors, under supervision of Professor. A.Ghaderi. *Thesis Score:* 19.75)
3. Ph.D student in Immunology, Shiraz University of Medical Sciences. Shiraz - Iran, (2005-until now)

Honors:

- ✓ Honor student of biology department, Shiraz University, Shiraz – Iran, 1995-1999.
- ✓ Honor Ph.D student of immunology department, Shiraz Medical University, Shiraz – Iran.

PUBLICATION & PRESENTATIONS

Papers:

1. Stromal cell-Derived Factor-1 (SDF-1) alleles and susceptibility to breast carcinoma. **Razmkhah M**, Talei AR, Doroudchi M, Khalili-Azad T, Ghaderi A. *Cancer Lett.* 2005; 225:261-6.
2. Stromal cell-Derived Factor-1 (SDF-1) gene and susceptibility of Iranian patients with lung cancer. **Razmkhah M**, Doroudchi M, Ghayumi SMA, Erfani N, Ghaderi A. *Lung Cancer.* 2005; 9:311-5.
3. Cytotoxic T-lymphocyte antigen-4 promoter variants in breast cancer. Erfani N, **Razmkhah M**, Talei AR, Pezeshki AM, Doroudchi M, Monabati A, Ghaderi A. *Cancer Genet Cytogenet.* 2006; 165:114-20.
4. SDF-1 and CCR5 Genes Polymorphism in patients with Head and Neck Cancer. Khademi B, **Razmkhah M**, Erfani N, Gharagozloo, Ghaderi A. *Pathol Oncol Res.* 2008 Apr 2.
5. Association of chemokine receptor 5 (CCR5) delta32 mutation with Behçet's disease is dependent on gender in Iranian patients. Mojtahedi Z, Ahmadi SB, **Razmkhah M**, Azad TK, Rajaei A, Ghaderi A. *Clin Exp Rheumatol.* 2007; 25:507-8.
6. Interleukin 13 haplotypes and susceptibility of Iranian women to breast cancer. Faghhih Z, Erfani N, **Razmkhah M**, Sameni S, Talei A, Ghaderi A. *Mol Biol Rep.* 2008 Nov 7.
7. Angiogenic and angiostatic chemokines and chemokine receptors in the adipose-derived stem cells (ASCs) and in the peripheral blood of patients with breast cancer. **Mahboobeh Razmkhah**, Mansooreh Jaberipour, Abbas Ghaderi. Submitted to *Immunology Letters*.
8. Mesenchymal stem cells do not suppress lymphoblastic leukemic cell line proliferation. Mousavi Niri N, Jaberipour M, **Razmkhah M**, Ghaderi A, Habibagahi M. *Iran J Immunol.* 2009; 6: 186-94.
9. Association of interleukin-18 gene promoter polymorphisms with breast cancer. Khalili-Azad T, **Razmkhah M**, Ghiam AF, Doroudchi M, Talei AR, Mojtahedi Z, Ghaderi A. *Neoplasma.* 2009;56(1):22-5.

10. Expression profile of IL-8 and growth factors in breast cancer cells and adipose-derived stem cells (ASCs) isolated from breast carcinoma. **Razmkhah M**, Jaberipour M, Hosseini A, Safaei A, Khalatbari B, Ghaderi A. Cell Immunol. 2010;265(1):80-5.
11. Circulating soluble CTLA-4 (sCTLA4) is elevated in patients with breast cancer. Nasrollah Erfani, **Mahboobeh Razmkhah**, Abbas Ghaderi. Cancer Investigation, 2010.
12. Adipose derived stem cells (ASCs) isolated from breast cancer tissue express IL-4, IL-10 and TGF- β 1 and upregulate expression of regulatory molecules on T cells: do they protect breast cancer cells from the immune response? **Razmkhah M**, Jaberipour M, Erfani N, Habibagahi M, Talei AR, Ghaderi A. Cell Immunol. 2011;266(2):116-22.
13. Bcl-2 and Fas expressions correlate with proliferative specificity of adipose-derived stem cells (ASCs) in breast cancer. **Razmkhah M**, Jaberipour M, Ghaderi A. Immunol Invest. 2011;40(3):290-8.

Presentations and Posters:

1. HLA class I polymorphism and susceptibility of Iranian women with breast cancer. **Razmkhah M**, Talei A, Doroudchi M, Gharesi-fard B, Ghaderi A. The 1th Regional Meeting of the Apocp, Izmir-Turkey, October, 14-16, 2003.
2. HLA class I polymorphism and susceptibility of Iranian women with breast cancer. **Razmkhah M**, Talei A, Doroudchi M, Gharesi-fard B, Ghaderi A. 16th International Congress of Geographic Medicine Advances in Basic and Clinical Oncology Shiraz, Iran December, 1-4, 2003.
3. HLA class I polymorphism and susceptibility of Iranian women with breast cancer. **Razmkhah M**, Talei A, Doroudchi M, Gharesi-fard B, Ghaderi A. 1th International Congress of Cancer Genetics, December, 13-16, 2003 Tehran-Iran.
4. HLA class I polymorphism and susceptibility of Iranian women with breast cancer. **Razmkhah M**, Talei A, Doroudchi M, Gharesi-fard B, Ghaderi A. 7th Congress of Immunology and Allergy, , May, 4-6, 2004, Mashhad-Iran
5. Stromal cell-derived factor-1 (SDF-1) gene polymorphism in patients with head and neck cancer. **Razmkhah M**, Erfani N, KhademiB, Doroudchi M, Ghaderi A. The 3rd Regional Conference of Asian Pacific Organization for Cancer Prevention (APOCP), GI cancer control from 25-27, April, 2005, Zibakenar, Rasht, Iran.

6. Stromal cell-derived factor-1 (SDF-1) gene and susceptibility of Iranian patients with lung cancer. **Razmkhah M**, Doroudchi M, Ghayumi SM, Erfani N, Ghaderi A. The 3rd Regional Conference of Asian Pacific Organization for Cancer Prevention (APOCP), GI cancer control from 25-27, April, 2005, Zibakenar, Rasht- Iran.

7. Stromal cell-derived factor-1 (SDF-1) gene polymorphism in patients with head and neck cancer. **Razmkhah M**, Erfani N, KhademiB, Doroudchi M, Ghaderi A. Poster at ECCO 13 - Paris, 30 October - 3 November 2005, poster session on Head and neck and endocrine. Scheduled on Tuesday, November 1, 2005. The number of poster: 1.073, Paris-Franc.

8. Stromal cell Derived Factor-1 (SDF-1) gene polymorphism and susceptibility to solid malignancies, **Razmkhah M**, Talei AR, Ghayumi SMA, KhademiB, Aminsharifi A, Hosseini v, Saberfiroozi M, Samsami Dehaghani A, **Ghaderi A**, 1st Joint Meeting of European National Societies of Immunology - 16th European Congress of Immunology, 9/09/2006, Paris-Franc.

9. SDF-1 and CCR5 Genes Polymorphism in Patients with Head and Neck Cancer. **Razmkhah M**, Khademi B, Erfani N , Gharagozloo M, Ghaderi A, 8th Iranian Congress of Immunology and Allerg., May 16, 2006, Tehran-Iran.

10. The comparison of SDF-1/CXCR4 and IP-10/CXCR3 expression profile in breast cancer patients using Quantitative Real-Time PCR. Jaberipour M, **Razmkhah M**, Hosseini A, Ghaderi A, the 7th Athens Congress on Women's Health and Disease, Sep 11-13, 2008.

11. IP-10/CXCR3 expression profile in adiposederived Mesenchymal Stem Cells (MSCs) of patients with breast cancer. Mahboobeh Razmkhah, Mansoureh Jaberipour, Behzad Khalatbari, Abdolrasoul Talei, Abbas Ghaderi, 1th Congress of Cellular and molecular new aspects in disease, Babol, 19-21 May, 2009.

12. "VEGF, MMP2 AND IL-8 EXPRESSION PROFILE IN ADIPOSE-DERIVED MESENCHYMAL STEM CELLS (MSCS) OF PATIENTS WITH BREAST CANCER ". **Razmkhah M**, Jaberipour M, Khalatbari B, Ghaderi A. 2nd European Congress of Immunology, Berlin-Germany.

13. "SDF-1/CXCR4 AND IP-10/CXCR3 EXPRESSION PROFILE IN PERIPHERAL BLOOD AND ADIPOSE-DERIVED MESENCHYMAL STEM CELLS (MSCS) OF PATIENTS WITH BREAST CANCER". **Razmkhah M**, Jaberipour M, Khalatbari B, Ghaderi A, European Congress of Immunology, Berlin-Germany.

14. Expression of SDF-1/CXCR4 and IP-10/CXCR3 in human cancer cell lines. **Razmkhah M**, Jaberipour M, Ghaderi A. 10th Iranian Congress

of Biochemistry and the 3rd International Congress of Biochemistry and Molecular Biology, Tehran.

15. Expression of SDF-1/CXCR4/CXCR7 as angiogenic and IP-10/CXCR3 as anti-angiogenic factors in adipose-derived stem cells (ASCs) of patients with breast cancer. **Razmkhah M**, Jaberipour M, Hosseini A, Ghaderi A. Sixteen International Congress of ISRM 2010.

EXPERINCES:

Teaching:

1. Immunology lab instructor, Institute for Cancer Research (ICR), Medical school, Shiraz – Iran, 2004.
2. Instructor for Q-PCR technique, Institute for Cancer Research (ICR), Medical school, Shiraz – Iran, 2009.
3. Instructor for Transfection technique, Institute for Cancer Research (ICR), Medical school, Shiraz – Iran, 2009.
4. Immunology lecturer for BSc students of nursing. Azad university of Estahban, From 2001-2005 and 2010.

Techniques:

1. Expert in cell culture and several immunological based techniques including: Western blotting, Immunohistochemistry, ELISA and HLA typing, Flow cytometry, electroporation.
2. Expert in several molecular based techniques including PCR, RFLP, SSCP, Q-PCR, SDS-PAGE and Transfection.

TRAINING AND WORKSHOP ATTENDED:

Biotest SSP Product Training, Shiraz, Shiraz Univ. of med. Science, September, 25th 2005.

Flow cytometry Training, Shiraz, Shiraz Univ. of med. Science, 2009.

Endnote Training, Shiraz, Shiraz Univ. of med. Science, 2009.

ONGOING RESEARCHES

- Molecular analysis of the immune-related genes in patients with different types of cancers such as breast, lung, GI, ovary and head & neck cancers.
- Isolation of mesenchymal stem cells (MSCs) from adipose tissue of different sites such as heart, abdomen and breast and the probable use of them for regenerative medicine.

- Isolation of mesenchymal stem cells (MSCs) from adipose tissue of cancer patients and compare them with those of normal individuals. Based on the recent researches underlying the importance of MSCs in tumor formation and progression, we aim to investigate the expression pattern of molecules with pivotal roles in tumor growth, progression and metastasis in MSCs from adipose tissue of breast tumors and compare them with both tumor cells and MSCs from healthy breast adipose tissue using Quantitative Real Time PCR, Flowcytometry and western blot. These molecules consists of significant chemokine and chemokine receptors (SDF-1, CXCR4, CXCR7, CCR7, MCP-1, CXCL8 (IL-8), RANTES, CCR5), growth factors (VEGF,HGF and IGF-1), signaling molecules (β -catenin) and IP-10/CXCR3 as antiangiogenic and anti tumor chemokine.
- Transfection of MSCs by IP-10, CXCR4 and SDF-1 in vitro and the assessment of the probable use of transfected MSCs by IP-10 as a therapeutic vehicle for treatment of breast cancer patients.
- Lentiviral gene transfer to MSCs
- Regenerative perspectives of MSCs

REFERENCES

1. *Dr. Abbas Ghaderi, Professor in Immunology (Immunology Department & ICR Chairman) , (My MSc and PhD Thesis' Supervisor)*
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