



CURICULUM VITAE

Vida Hashemi

Ph.D of Medical Immunology

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Personal information:

Name: Vida Hashemi

Date of birth: February 4, 1985

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Education:

Ph.D. Medical Immunology, Tabriz University of Medical Sciences, (2016-2020).

M.Sc. Medical Immunology, Tehran Shahed University, (2008-2011).

B.Sc. Laboratory Sciences, Tabriz University of Medical Sciences (2003-2008).

Ph.D. Thesis

Investigation of the effect of Nanoparticeles loaded with the siRNA molecules against P68 and STAT3 in the growth inhibition and development of cancer cells.

Level of thesis: excellent .Supervisor: Dr. Behzad Baradaran, Dr. Farhad Jadidi.

M.Sc. Thesis

Study of Mentha Spicata extract effect on proliferation and matrix metalloproteinase-2 activity in a Fibrosarcoma cell line (Wehi-164) *In Vitro*.

Supervisor: Dr. Fatemeh Hajighasemi.

Research fields and interests:

- Cancer Immunotherapy
- Nano Medicine
- Drug Delivery

Professional experiences

- I am working as assistant professor in Maragheh University of Medical Sciences since 9 April 2012.
- Responsible for EDO in Maragheh University of Medical for 3 years.
- Member of the Scientific Committee of the 13th International Congress of Immunology and Allergy of Iran.
- Member of the Committee on Proposals in Maragheh University of Medical Sciences for 2 years.
- Member of the Educational and Research Council in Maragheh University of Medical Sciences for 2 years .
- Member of Iranian Immunology and Allergy Association.

Research projects:

- “Polymorphism of Foxp3 gene affects the frequency of regulatory T cells and disease activity in patients with rheumatoid arthritis in Iranian population ”, Maragheh University of Medical Science, in progress.
- “Inhibition of tumor growth by blockage of adenosine receptor “Maragheh University of Medical Science, in progress.

Publications:

Paper

- 1- F Hajighasemi, **V Hashemi** , Fariba Khoshzaban . Cytotoxic effect of Mentha spicata aqueous extract on cancerous cell lines in vitro. Journal of Medicinal Plants Research 2011, 5(20), pp. 5142-5147.

- 2- F Hajighasemi, **V Hashemi**. Down regulation of matrix metalloproteinases by spearmint extract in Wehi-164 cells. *Journal of Medicinal Plants Research* ,2012 .6(39), pp. 5222-5227.
- 3- **V Hashemi**, M Khodaei, Z Asefy. Validity of Serum Cystatin C for Predicting Obesity Nephropathy. *Interdisciplinary Bio Centra (IBC)* 2012; 4 (2), 4.1-4.4.
- 4- **V Hashemi**, S Dolati, A Hosseini, T Gharibi, Sh Danaie, M Yousefi. Natural killer T cells in Preeclampsia: An updated review. *Biomedicine & Pharmacotherapy* 95 (2017) 412–418.
- 5- A Hosseini, S Dolati, **V Hashemi**, M Abdollahpour-Alitappeh, M Yousefi. Regulatory T and T helper 17 cells: Their roles in preeclampsia *Journal of cellular physiology*, 2017. 233 (9), 6561-6573.
- 6- **V Hashemi**, AS Farrokhi, A Tanomand, Z Babaloo, M Hojjat-Farsangi. Polymorphism of Foxp3 gene affects the frequency of regulatory T cells and disease activity in patients with rheumatoid arthritis in Iranian population *Immunology letters*, 2018, 204, 16-22.
- 7- T Gharibi, A Hosseini, F Marofi, O Monad, S Jahandideh, M Abdollahpour-Alitappeh, **V Hashemi**, M Motalebnezhad, Z Babaloo B Baradaran. IL-21 and IL-21-producing T cells are involved in multiple sclerosis severity and progression. *Immunology Letters* 216 (2019) 12–20.
- 8- **V Hashemi** et al. Nanomedicine for improvement of dendritic cell-based cancer immunotherapy. *International Immunopharmacology* 83 (2020) 106446.
- 9- **V Hashemi** et al. Silencing of p68 and STAT3 synergistically diminishes cancer progression. *Life Sciences*(2020), 117499.
- 10- **V Hashemi** et al .The role of DEAD-box RNA helicase p68(DDX5) in the development and treatment of breast cancer. *Cellular physiology*2018, 234 (5), 5478-5487.
- 11- A Masjedi, **V Hashemi**, M Hojjat-Farsangi, Gh Ghalamfarsag, Gh Azizi, M Yousefi, F Jadidi-Niaragh. The significant role of interleukin-6 and its signaling pathway in the immunopathogenesis and treatment of breast cancer. *Biomedicine & Pharmacotherapy* 108 (2018) 1415–1424.

- 12- T Gharibi, Z Babaloo, A Hosseini, M Abdollahpour-Alitappeh, **V Hashemi** .Targeting STAT3 in cancer and autoimmune diseases. European Journal of Pharmacology 2020, 173107.
- 13- **V Hashemi** et al .Regulatory T cells in breast cancer as a potent anti-cancer therapeutic targe. International immunopharmacology2020 78, 106087.
- 14- Shahin Hallaj, Anahita Ghorbani, Seyed Ali Mousavi-Aghdas, Mohammad Mirza-Aghazadeh-Attari, Andrey Sevbitov, **Vida Hashemi**, Tooba Hallaj, Farhad Jadidi-Niaragh Angiotensin-Converting Enzyme as a new immunologic target for the new SARS-CoV-2. Immunology and Cell Biology2020.

Publications in Persian:

1. Bakhshandeh Z, Mohammadipoor M.,Halabian R.,Hamed Asl P,**Hashemi V**, Mohammadzadeh M,Imani Fooladi A,Amirizadeh N,Nasiri S, Habibi Roudkenar M. Study of potential application of Recombinant Human Lipocalin 2 as an antibacterial agent to prevent platelet contamination . Sci J Iran Blood Transfus Organ 2012; 9(2):114-123.

Abstracts presented in international conferences:

1. A Nikkhoo, F Atyabi, N Rostami, A Masjedi, A Rastegari, M Baghaei, **V Hashemi**, Sh Bastaki, F Jadidi Niaragh. Combination treatment of tumor cells with the STAT3-specific siRNA loaded nanoparticles and BV6. In the 14th International Congress of Immunology & Allergy. ICIA2018\Nanoimmunology\Oral\7796.
2. Salek Farrokhi, **V Hashemi**, R Ezzeddini, M Taher Tahoori. Foxp3 Gene Polymorphism in Rheumatoid Arthritis Patients Associated with Tregs Frequency in Iranian Population. In the 14th International Congress of

Immunology & Allergy. ICIA2018\Immunology of Rheumatic Diseases\Poster Discussion\7842.

3. **V Hashemi**, A Masjedi, A Nikkhoo, N Rostami, Sh Bastaki, F Jadidi Niaragh. Targeting P68 and STAT3 molecules through Nanoparticles loaded with the siRNA in 4T1 and CT26 cancerous cells lines. In the 14th International Congress of Immunology & Allergy ICIA2018\Nanoimmunology\Poster\7721.
4. Sh Bastaki, N Rostami , A Nikkhoo, A Masjedi, **V Hashemi**, F Atyabi, A Rastegari , M Baghaei , FJadidi Niaragh. Downregulation of PD-L1 and STAT3 in 4T1 breast and B16/F10 skin cancer cells through siRNAloaded chitosan-lactate nanoparticle. In the 14th International Congress of Immunology & Allergy ICIA2018\Nanoimmunology\Poster\7801.
5. N Rostami, F Jadidi iaragh, A Nikkhoo, A Masjedi, F Atyabi, A Rastegari, M Baghaei , **V Hashemi**, Sh Bastaki .Silencing S1PR1 and GP130 in 4T1 breast cancer cells and B16F10 melanoma cancer cells through siRNA-loaded trimethyl chitosan nanoparticles. In the 14th International Congress of Immunology & Allergy ICIA2018\Nanoimmunology\Poster\7803.
6. A Masjedi, F Atyabi, N Rostami, A Nikkhoo,**V Hashemi**, ShBastaki1,6, A Rastegari, M Baghaei , F Jadidi Niaragh. Combinatorial Suppression of Interleukin-6 and STAT3 in breast, colon and melanoma cancer cells through siRNA-loaded trimethyl chitosan nanoparticles. In the 14th International Congress of Immunology & Allergy ICIA2018\Nanoimmunology\Poster\8034.
7. Down-regulation of Matrix Metalloproteinase-9 Activity by Spearmint in a Human Monocytic Cell Line. F Hajighasemi, **V Hashemi** . Iranian Journal of Allergy, Asthma & Immunology, 2018.

8. Zahra Asefy, **vida Hashemi**, Mohammad Tagikhani. Validity of serum cystatin c for predicting obesity nephropaty. The 5th International Congress of Laboratory & Clinic.