

## CURRICULUM VITEA

	<p style="text-align: center;"><b>Tahereh Kalantari</b> <b>Associate professor of Medical Immunology</b></p> <p><b>Nationality:</b> Iranian <b>h-index: 10 (Google Scholar)</b> <b>Business Address:</b> School of Paramedical Sciences Shiraz University of Medical Sciences Shiraz-Iran. P.O. Box: 71345-1756 (+98) 711-229 5023 (Voice) (+98) 711-228 9113 (Fax)</p> <p style="text-align: center;"><b>E-mail:</b> <a href="mailto:kalantari_t@sums.ac.ir">kalantari_t@sums.ac.ir</a> <a href="mailto:taherehk@yahoo.com">taherehk@yahoo.com</a></p>
---	---

### EJUCATION

- 2008-2013      PhD in Immunology, Immunology Department  
Shiraz University of Medical Sciences,  
Shiraz – Iran.
- 2010-2011      Fulfillment of PhD dissertation  
Thomas Jefferson University,  
Philadelphia, PA 19107-USA.  
**Thesis:** Downregulation of CD40 and/or IL-23 expression in dendritic cells  
using shRNA lentiviral vectors modulate EAE in C57BL/6 mice
- 1999-2002      MS in Immunology, Immunology Department, Shiraz University of  
Medical Sciences, Shiraz – Iran.  
**Thesis:** Exon-1 Polymorphism of cta-4 Gene in Iranian Patients with  
Graves' Disease
- 1995-1997      BS in Laboratory Sciences, School of Paramedical Sciences, Shiraz  
University of Medical Sciences, Shiraz – Iran.

## PUBLICATIONS & PRESENTATIONS

### A. Papers

1. **Kalantari T**, Mostafavi H, Pezeshki AM, Farjadian S, Doroudchi M, Yeganeh F, Ghaderi A. Exon-1 polymorphism of *ctla-4* gene in Iranian patients with Graves' disease. *Autoimmunity*. 2003 Aug; 36(5):313-6.
2. Ghaderi A, Yeganeh F, **Kalantari T**, Talei AR, Pezeshki AM, Doroudchi M, Dehaghani AS. Cytotoxic T lymphocyte antigen-4 gene in breast cancer. *Breast Cancer Res Treat*. 2004 Jul; 86(1):1-7.
3. Samsami Dehaghani A, Doroudchi M, **Kalantari T**, Pezeshki AM, Ghaderi A. Heterozygosity in CTLA-4 gene and severe preeclampsia. *Int J Gynaecol Obstet*. 2005 Jan; 88(1):19-24.
4. Rajaei A, Ebrahimi A, Ghiam AF, **Kalantari T**, Ghaderi A. Exon-1 polymorphism of *ctla-4* gene is not associated with systemic sclerosis in Iranian patients. *Rheumatol Int*. 2006 Jun; 26(8):687- 92.
5. Lankarani KB, Karbasi A, **Kalantari T**, Yarmohammadi H, Saberi-Firoozi M, Alizadeh-Naeni M, Taghavi AR, Fattahi MR, Ghaderi A. Analysis of cytotoxic T lymphocyte associated antigen 4 gene polymorphisms in patients with ulcerative colitis. *J Gastroenterol Hepatol*. 2006 Feb; 21(2):449-53.
6. **Kalantari T**, Kamali-Sarvestani E, Ciric B, Karimi MH, Kalantari M, Faridar A, Xu H, Rostami A. Generation of immunogenic and tolerogenic clinical-grade dendritic cells. *Immunol Res*. 2011 Dec; 51(2-3):153-60.
7. 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. *Iran J Immunol*. 2012 Sep;9(3):168-74.
8. **Tahereh Kalantari**, Eskandar Kamali-Sarvestani, Guang-Xian Zhang, Farinaz Safavi, Elisabetta Lauretti, Mohammad-Esmaeil Khedmati, Abdolmohamad Rostami. Generation of large numbers of highly purified Dendritic cells from bone marrow progenitor cells after co-culture with syngeneic murine splenocytes. *Exp Mol Pathol*. 2013; Dec; 94 (2013) 336–342.
9. HA Golafshan, R Ranjbaran, **T Kalantari**, L Moezzi, M Karimi, et al. Evaluation of red cell membrane cytoskeletal disorders using a flow cytometric method in South Iran. 2014; *Turkish Journal of Hematology* 31 (1), 25.
10. **T Kalantari**, R Ranjbaran, S Sharifzadeh, T Kalantari, MH Karimi, B Ciric, Y Yan, A Rostami, E Kamali-Sarvestani. Tolerogenic dendritic cells produced by lentiviral-mediated CD 40-and interleukin-23p19-specific shRNA can ameliorate experimental autoimmune encephalomyelitis by suppressing Th17 cells. 2014; *Clinical & Experimental Immunology* 176 (2), 180-189.
11. B Khalvati, F Sheikhsaran, S Sharifzadeh, **T Kalantari**, et al. Delivery of plasmid encoding interleukin-12 gene into hepatocytes by conjugated polyethylenimine-based

nanoparticles. 2017; *Artificial cells, nanomedicine, and biotechnology* 45 (5), 1036-1044.

12. M Poormontaseri, S Hosseinzadeh, SS Shekarforoush, **T Kalantari**. The effects of probiotic *Bacillus subtilis* on the cytotoxicity of *Clostridium perfringens* type a in Caco-2 cell culture.2017; *BMC microbiology* 17 (1), 150.

13. **T Kalantari**, M Bahmani, ST Heydari, B Daneshfard, Z Nematollahi, et al. Effect of Temperament on Happiness and Job Satisfaction in University Employees. 2018 *Pakistan Journal of Medical & Health Sciences*. 12 (2), 915-917.

14. R Fardid, P Ghahramani, MA Mosleh-Shirazi, **T Kalantari**, et al. Expression of transforming growth factor-beta and interferon gamma biomarkers after whole body gamma irradiation. 2019; *Journal of cancer research and therapeutics* 15 (8), 135.

15. Rostaminejad M, Rostaminejad A, **Kalantari T\***. Materials and Metabolites of Kynurenine Pathway in Neurodegenerative Diseases and Multiple Sclerosis. *Armaghane-danesh, Yasuj University of Original Article Medical Sciences Journal (YUMS)*. 2019; 24(1): 274-292.

16.E Farzadfard, **T Kalantari**, G Tamaddon. Serum Expression of Seven MicroRNAs in Chronic Lymphocytic Leukemia Patients. 2020; *Journal of blood medicine* 11, 97.

17. **T Kalantari**, B Ciric, E Kamali-Sarvestani, A Rostami. Bone marrow dendritic cells deficient for CD40 and IL-23p19 are tolerogenic in vitro. 2020; *Iranian Journal of Basic Medical Sciences* 23 (3), 287.

18. M Hayatmanesh, G Tamaddon, A Fazeli, **T Kalantari\***. The Relationships between the Alteration of MAP1LC3B, and BECN1 Gene Expression with Minimal Residual Disease in Acute Lymphoblastic Leukemia Patients.2021; *Middle East Journal of Cancer*.

19. **T Kalantari\***, B Mohseni-Aghdam, F Nasri, G Tamaddon, M Kalantari. The Efficacy of siRNA Specific MDM2 in the Induction of Apoptosis in MCF-7 Breast Cancer Cell Line. 2021; *Middle East Journal of Cancer*.

20. B. Divsalar, **T. Kalantari\***, S. Mohebbi, A. Bahmanimehr, Gh. Rafiei Dehbidi, A. Borhani-Haghighi. CYP3A4\* 22 gene polymorphism and risk of ischemic stroke in south Iran population: A case control study.2021; *Meta Gene*, 100932.

21. Marzieh Rostaminejad, Abdolmohamad Rostami, Abbas Behzad-Behbahani, Gholam Reza Rafiei Dehbidi, **Tahereh Kalantari\***. The effect of 2-amino-3-carboxymuconate-6-semialdehyde decarboxylase gene overexpression in the kynurenine pathway on the expression levels of indoleamine 2,3-dioxygenase 1 and interferon- $\gamma$  in inflammatory conditions: an in vitro study. 2022 Feb. *Molecular Biology Reports*. 49(2): 1103-1111.doi: 10.1007/s11033-021-06935-4.

22. Neda Karami, Hassan Azari, Moosa Rahimi, Hadi Aligholi, **Tahereh Kalantari\***. A study on the effect of JNJ-10397049 on proliferation and differentiation of neural precursor cells.2022 Jun 30; *Anatomy & Cell Biology*,55(2):179-189. doi:

10.5115/acb.21.202.

23. Haniyeh Abuei, Mohammad Pirouzfard, Anahita Mojiri, Abbas Behzad-Behbahani, **Tahereh Kalantari**, Peyman Bemani, Ali Farhadi. Maximizing the recovery of the native p28 bacterial peptide with improved activity and maintained solubility and stability in *Escherichia coli* BL21 (DE3). 2022; *Journal of Microbiological Methods*, 106560.

24. Neda Karami, Hadi Aligholi, Moosa Rahimi, Hassan Azari, **Tahereh Kalantari\***. G Protein Coupled Receptors Potentially Involved in Oligodendrogenesis: A Gene Expression Analysis. *Iran J Public Health*. 2022 Oct;51(10):2325-2333. doi: 10.18502/ijph.v51i10.10991.

25. Mehdi Kian, Somayeh Mirzavand, Sedigheh Sharifzadeh, **Tahereh Kalantari**, Marzieh Ashrafmansouri, Fatemeh Nasri. Efficacy of Mesenchymal Stem Cells Therapy in Parasitic Infections: Are Anti-Parasitic Drugs Combined with MSCs More Effective? *Acta Parasitol*. 2022 Dec;67(4): 1487-1499. doi: 10.1007/s11686-022-00620-7. Epub 2022 Oct 25.

26. Bitar Divsalar, **Tahereh Kalantari\***, Soheila Mohebbi, Ardeshir Bahmanimehr, Amin Shahsavani, Afshin Borhani-Haghighi. Comparison of Commercial Low Molecular Weight Heparin and Homemade Anti-Xa Calibrators to a Commercial Specific Anti-Xa Calibrator for Plasma Rivaroxaban Quantification by Anti-Xa Oral Anticoagulant Plasma Concentration Chromogenic Assay *Lab Med*. 2022 Dec 27; 137. doi: 10.1093/labmed/lmac137.

27. Amin Hasanpour, **Tahereh Kalantari\***. Molecular Progression and Multiple-Target Biomarkers in Multiple Myeloma: A Brief Review. *JCRCT*. 2023 Dec 19; DOI: <https://doi.org/10.31579/2640-1053/170>.

28. Rasoul Ebrahimi<sup>1</sup>, Fatemeh Nasri<sup>1</sup>, **Tahereh Kalantari\***. Coagulation and Inflammation in COVID-19: Reciprocal Relationship between Inflammatory and Coagulation Markers. *Ann. Hematol*. 2024. DOI:10.1007/s00277-024-05630-1

## **B. PRESENTATIONS**

### **ABSTRACTS IN NATIONAL/INTERNATIONAL CONGRESS/SYPOSIUM**

The 6<sup>th</sup> Iranian Congress of Immunology and Allergy. 2002, Tehran –Iran.  
Exon-1 polymorphism of *ctla-4* gene in Iranian patients with Graves' disease.

The 7<sup>th</sup> Iranian Congress of Immunology and Allergy. May, 2004, Mashhad –Iran.  
Exon-1 polymorphism of *ctla-4* gene is not associated with systemic sclerosis in Iranian patients.

The 11<sup>th</sup> international Congress of Immunology and Allergy. April, 2012, Tehran–Iran.  
Generation of large numbers of highly purified dendritic cells from bone-marrow progenitor cells after co-culture with syngeneic murine splenocytes.

The 7<sup>th</sup> National Congress on Quality Improvement in clinical laboratories and Twelfth International Congress 2014, Tehran–Iran. Lack of association of Lewis (A<sup>-</sup> B<sup>-</sup>) to coronary heart disease in South Iran.

The 7<sup>th</sup> National Congress on Quality Improvement in clinical laboratories and Twelfth International Congress 2014, Tehran–Iran. Evaluation of CD203C Expression on Basophils of Children with Exacerbated Asthma.

International congress on biomedicine.2017 comparison of in vitro survival of mononuclear cells derived from B cell patients with or without BAFF & APRIL cytokines.

Royan International Twin Congress 2018. Neural stem cells at sleep: Selective inhibition of orexin 2 receptor in mouse cortical neural stem cells increases proliferation and differentiation toward Oligodendrocytes.

The 2nd International Neuroinflammation Congress and 2nd Student Festival of Neuroscience Selective2018. HCRTR2 antagonism increases embryonic mouse cortex neural stem progenitor cell proliferation.

Taylor’s University Graduate Research Symposium 2021. Pei Pei Chong, Ali Farhadi, Doungdaw Chantasart, Siau Hui Mah, Renukha Sellappans, Eng Hwa Wong, Abbas Behzad Behbahani, Arash Safari, Tahereh Kalantari, Jiraphong Suksiriworapong, Theerut Luangmonkong, Orasa Suriyaphan.

## **PROFESSIONAL & ACADEMIC ACTIVITIES**

### **Teaching**

- |           |  |
|-----------|--|
| 1996-2009 | Hematology Lab for B.S. Students of Laboratory Sciences, School of Paramedical Sciences, Shiraz university of Medical Sciences, Shiraz-Iran.                                   |
| 1996-2018 | Blood bank (Immunoematology) Lab for B.S. Students of Laboratory Sciences, School of Paramedical Sciences, Shiraz university of Medical Sciences, Shiraz-Iran.                 |
| 2002-2008 | Community based skills training for medical students (practical Hematology and Urine Analysis), Shiraz Paramedical School, Shiraz University of Medical Sciences, Shiraz-Iran. |
| 2006-2007 | Hematology Course (Theoretical & Lab) for B.S. Students of Laboratory Sciences, School of Paramedical Sciences, Grash university of Medical Sciences, Grash -Iran.             |

- 2002-Present Medical Immunology (Theoretical & Lab) for B.S. students of Laboratory Sciences, School of Paramedical Sciences, Shiraz university of Medical Sciences, Shiraz-Iran.
- 2012- Present Immunochemistry Course for MS students in medical biotechnology), Shiraz Paramedical School, Shiraz University of Medical Sciences, Shiraz-Iran.
- 2016- Present Advanced Immunology for MS students in Laboratory Hematology and Blood Banking (Theoretical & Lab), Shiraz Paramedical School, Shiraz University of Medical Sciences, Shiraz-Iran.
- 2015- 2018 Faculty Supervisor of One Master's level Student in Medical Biotechnology
- 2016- 2019 Faculty Supervisor of One Master's level Student in Medical Biotechnology
- 2017- 2020 Faculty Supervisor of One Master's level Student in Medical Biotechnology
- 2017- 2020 Faculty Supervisor of One Master's level Student in Laboratory Hematology and Blood Banking
- 2018- 2020 Faculty Supervisor of Two Master's level Students in Laboratory Hematology and Blood Banking
- 2019- 2022 Faculty Supervisor of Two Master's level Students in Laboratory Hematology and Blood Banking
- 2020- Present Faculty Supervisor of One Master's level Student in Laboratory Hematology and Blood Banking
- 2021- Present Faculty Supervisor of Two Master's level Students in Laboratory Hematology and Blood Banking
- 2023- Present Faculty Supervisor of One Master's level Students in Laboratory Hematology and Blood Banking

### **Techniques**

1. Expert in several molecular based techniques including **PCR, RFLP, SSCP**.
2. Expert in gene downregulation with **RNAi using lentiviral vectors**.
3. Expert in **dendritic cell therapy with lentiviral vectors**
4. Expert in dendritic **cell therapy** in Wild Type and **Knock-down** Mice.
5. Expert in **serological tests** and familiar with several immunological based techniques including **SDS-PAGE** and **Western blot (Immunoblotting)**.

### **Field of Interest**

Cancer metabolism, Cancer immunology, Autoimmunity, and Immunohematology.