



## Academic CV of Kurosh Kalantar

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### Personal Information

**School:** Shiraz School of Medicine  
**Department:** Medical Immunology  
**Academic status:** Assistant professor of immunology  
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**Email:** kalantark@sums.ac.ir, kuroshkalantar@yahoo.com  
**Birth Date:** 27/07/1980  
**Birth Place:** Gotvand- khozestan (Iran)  
**Marital Status:** Single

### Education

#### Academic qualifications:

- 1-Shiraz University of Medical Sciences, Shiraz -2008-2014 (Ph.D in Medical immunology)
- 2-Tehran University of Medical Sciences, Tehran – 2005-2007 (M.Sc. in Medical immunology)
- 3- Shiraz University of Paramedical Sciences, Shiraz -2001-2003 (BS. Laboratory sciences)
- 4- Jondi shahpour School of Paramedical Medical Sciences, Ahvaz,1999-2001(BA Laboratory sciences)

### Employment History

#### Assistant Professor

Department of Immunology, Shiraz University of Medical Sciences, Shiraz, Iran 2014-present

#### Vice Chancellor of Graduate Studies

Department of Immunology, Shiraz University of Medical Sciences, Shiraz, Iran 2015-2020

#### Vice Chancellor of Research

Department of Immunology, Shiraz University of Medical Sciences, Shiraz, Iran 2015-2020

#### Vice Chancellor of Education

Department of Immunology, Shiraz University of Medical Sciences, Shiraz, Iran 2020-Present

**Guest Editor** of the Endocrine, Metabolic & Immune Disorders - Drug Targets journal, 2020-present

**Head of the HLA-Typing lab:** 2018-present

### **Distinction, honors, achievement and awards – a summary**

- 1- **First rank in the national MSc. entrance-exam in Immunology - Iranian Ministry of Health and Medical Education among 829 students' (2005)**
- 2- **Honored as the top master student of immunology in medical school, Tehran University of Medical Sciences, 2007**
- 3- **Master thesis score: 20/20 (100%).**
- 4- **PhD thesis score 19.85/20 (99.25%)**
- 5- **Visiting scientist fellowship (sabbatical)at Descartes University, INSERM, November 2011 – April 2012 (Paris, France). Financially support from Iranian Ministry of Health and Medical Education**
- 6- **Top speaker in the 12<sup>th</sup> international congress of Immunology, Tehran, Iran,2014.**
- 7- **Over 47 articles were published in the international journal with >400 citations in Google Scholar**
- 8- **h-index 12 in google scholar and 10 in Scopus**
- 9- **Seven years teaching and research in the nationally second ranked university, Shiraz university of Medical Sciences, Shiraz, Iran-2014 to present.**
- 10- **Doing a common project with the Institute of Immunology, University of Kiel, Kiel, Germany by Prof Diter kabalitz**  
**Title of the project: Lower Frequency of HBsAg-Specific T Stem Cell Memory (TSCM) Cells in Non-Responders to Hepatitis B Vaccine Compared to Responders.**  
**Results: Manuscript was submitted to the journal of cellular immunology**
- 11- **Published 13 articles with the collaboration of international scientists from Australia, Germany, Finland, France, Spain, U.S.A and Canada.**

### **Profile/ID at the authors profiles systems:**

Google scholar profile:

<https://scholar.google.com/citations?user=h5r4HhAAAAAJ&hl=en>

Scopus author ID: 57191876730

<https://www.scopus.com/authid/detail.uri?authorId=57191876730>

### **MSc Thesis Title**

**MSC degree: Assessment of plasma levels and Gene polymorphisms of IL-10, TNF- $\alpha$  in preeclamtic patients**

### **Ph.D. Thesis Title**

## Accelerated co-cultured dendritic cell (acDC)-based assays: optimization for antigen discovery and application to CD8<sup>+</sup> T-cell epitope identification in obese and type 2 diabetes patients

### Research article

- 1- Proportion of T follicular helper cells in peripheral blood of rheumatoid arthritis patients: a systematic review and meta-analysis. Peyman Bemani , Kari K Eklund , Mohammad Ali-Hassanzadeh , Dieter Kabelitz , Reinhold E Schmidt , Seppo Meri, Kurosh Kalantar . *Expert Rev Clin Immunol* . 2021 Apr 15;1-14
- 2-The role of FOXP3 rs3761548 and rs2294021 polymorphisms in pediatrics acute lymphoblastic leukemia: association with risk and response to therapy. Zahra Ghasemi , **Kurosh Kalantar** , Zahra Amirghofran. *Mol Biol Rep* **2021** Jan 30
- 3-Variations in IL-22, IL-27 and IL-35 serum levels in untreated and treated hepatitis C patients. Azam Taghinejad, Shaghik Barani, Naser Gholijani, Farzad Ghandehari, Soolmaz Khansalar, Morvarid Asadipour, Mohammadali Davarpanah, Mohammadreza Fattahi, **Kurosh Kalantar**. *European cytokine network*.**2020**, 31(4)134-139.
- 4-Interleukin-27 gene variant rs153109 is associated with enhanced cytokine serum levels and susceptibility to Behçet's disease in the Iranian population. asser Gholijani, Gholamreza Daryabor, **Kurosh Kalantar**, Mohammad-Reza Yazdani, Saeedeh Shenavandeh, Maryam Zahed, Zahra Jafarpour, Mohammad-Reza Malekmakan, Zahra Amirghofran. *European Cytokine network*.**2020**, 31(4)140-146.
- 5- The effects of type 2 diabetes mellitus on organ metabolism and the immune system  
G Daryabor, MR Atashzar, D Kabelitz, S Meri, **K Kalantar** *Front Immunol*. **2020** Jul 22; 11:1582
- 6- Identification of immunoreactive proteins in secretions of *Leishmania infantum* promastigotes: an immunoproteomic approach. S Rashidi, P Nguewa, Z Mojtahedi, B Shahriari, **K Kalantar**, G Hatam *East Mediterr Health J*. **2020** Dec 9;26(12):1548-1555
- 7-Decreased levels of interleukin 27 in the serum of vitiligo patients  
SM Hosseini, N Gholijani, N Chenari, **K Kalantar**. *An Bras Dermatol*. **2020** Sep-Oct;95(5):570-574
- 8-IL-18 in Blood Serum of Hepatitis C Patients Might be of Predictive Value for Individual Outcomes. M Asadipour, P Fazeli, M Zohouri, P Bemani, M Mohebbiniya, **K Kalantar**. *Infect Disord Drug Targets*. **2020** Jul 7
- 9-T cell responses to an HLA-A2-restricted adipophilin peptide correlate with BMI in patients with atherosclerosis. **Kalantar K**, Farzaneh Z, Eshkevar Vakili M, Karimi MH, Asadi M, Khosropanah S, Doroudchi M. *Physiology International* **2020**,107 (2), 280-293
- 10-CD52<sup>+</sup> regulatory T cells and CD52-expressing sperms downregulated in couples with unexplained infertility: A case–control study. M Raeisi, **K Kalantar**, B Namavar Jahromi, B Gharesi-Fard *International Journal of Reproductive BioMedicine* **2020**,18 (5), 385-387
- 11-Pro-inflammatory Effects of Influenza Type A Virus PB1-F2 Protein-derived Peptide in Lipopolysaccharide-treated Macrophages. **K Kalantar**, Z Farzaneh, N Gholijani, SY Hosseini, EB Hasan. *Iran J Allergy Asthma Immunol*. **2020** May 17; 19(S1):74-82

- 12-Decreased serum levels of IL-27 and IL-35 in patients with Graves' disease. MH Saeed, **K Kurosh**, A Zahra, DM Hossein, R Davood, MR Ataollahi. Arch. Endocrinol. Metab. vol.64 no.5, **2020**.
- 13-Therapeutic Effect of Carvacrol-loaded Albumin Nanoparticles on Arthritic Rats  
N Gholijani, SS Abolmaali, **K Kalantar**, MH Ravanrooy. Iranian Journal of Pharmaceutical Research: IJPR **2020**, 19 (1), 312
14. Association of FCRL3 rs7528684 polymorphism with risk of Hashimoto's thyroiditis in Iranian patients. **Kurosh Kalantar**, Farzad Ghandehari, Saeed Malek-Hosseini, Hossein Golmoghaddam, Davood Rostamzadeh, Mohamad Hossein Dabbaghmanesh, Zahra Amirghofran Meta Gene. Volume 24, June **2020**, 100663
15. Leishmanial selenoproteins and the host immune system: towards new therapeutic strategies?  
Rashidi S, **Kalantar K**, Nguewa P, Hatam G. Trans R Soc Trop Med Hyg. **2020** Mar 31
16. Chitin binding protein as a possible RNA binding protein in Leishmania parasites.  
Rashidi S, **Kalantar K**, Fernandez-Rubio C, Anvari E, Nguewa P, Hatam G. Pathog Dis. **2020** Feb 1;78(1)
17. Association of foxp3 gene variants with risk of hashimoto's thyroiditis and correlation with anti-tpo antibody levels. **K Kalantar**, S Khansalar, M Eshkevar Vakili, D Ghasemi, MH Dabbaghmanesh, Z Amirghofran. Acta Endocrinologica (bucharest) **2019**-15 (4), 423
18. Pvrin and Hematopoietic Interferon-Inducible Nuclear Protein Domain Proteins: Innate Immune Sensors for Cytosolic and Nuclear DNA. Mohammad Reza Atashzar, Gholamreza Daryabor, Dieter Kabelitz, & **Kurosh Kalantar**, Critical Reviews in Immunology, 39(4):275–288 (**2019**)
19. Fas, FasL and Foxp3 gene expression in post-liver transplant autoimmune hepatitis patients with and without acute rejection. Shams K, **Kalantar K**, Karimi MH, Nasiri M, Afshari A, Amirghofran Z. Clin Exp Hepatol. **2019** May;5(2):103-108.
20. Tumor Cell Death via Apoptosis and Improvement of Activated Lymphocyte Cytokine Secretion by Extracts from Euphorbia Hebecarpa and Euphorbia Petiolata. Amirghofran Z, Shekofteh N, Ghafourian M, Khosravi N, **Kalantar K**, Malek-Hosseini S. Asian Pac J Cancer Prev. **2019** Jul 1;20(7):1979-1988.
21. An immunoproteomic approach to identifying immunoreactive proteins in Leishmania infantum amastigotes using sera of dogs infected with canine visceral leishmaniasis.  
Rashidi S, Mojtahedi Z, Shahriari B, **Kalantar K**, Ghalamfarsa G, Mohebbi M, Hatam G. Pathog Glob Health. **2019** May;113(3):124-132
22. Inhibition of interferon- $\gamma$  production and T-bet expression by menthol treatment of human peripheral blood mononuclear cells. Bayat M, **Kalantar K**, Amirghofran Z. Immunopharmacol Immunotoxicol. **2019** Apr;41(2):267-276
23. Influence of forkhead box protein 3 polymorphisms (rs2232365, rs3761548) with the outcome of pregnancy: A meta-analysis. Hosseini Teshnizi S, Ali-Hassanzadeh M, Gharesi-Fard B, Kabelitz D, **Kalantar K** J Cell Physiol. **2019** Feb 19
24. An update on immune dysregulation in obesity-related insulin resistance. Daryabor G, Kabelitz D, **Kalantar K**. Scand J Immunol. **2019** Apr;89(4)

25. The Importance of Checking Leishmania Promastigotes Viability in the Proteomic analysis of Secretions. Rashidi S, **Kalantar K**, Rostamzadeh D, Hatam G. *Turkiye Parazitol Derg.* **2018** Dec;42(4):245-248
26. Recombinant NS3 Protein Induced Expression of Immune Modulatory Elements in Hepatic Stellate Cells during Its Fibrotic Activity. Jamhiri I, Shahin K, Khodabandeh Z, **Kalantar K**, Sarvari J, Atapour A, Mina F, Ahmadnejad A, Hosseini SY. *Viral Immunol.* **2018** Oct;31(8):575-582
27. Inhibition of LPS-induced inflammatory responses by *Satureja hortensis* extracts in J774.1 macrophages. Farzaneh Z, **Kalantar K**, Iraj A, Amirghofran Z. *J Immunoassay Immunochem.* **2018**; 39(3):274-291
28. Investigation of *Dracocephalum kotschy* Plant Extract on the Effective Inflammatory Transcription Factors and Mediators in Activated Macrophages. **Kalantar K**, Gholijani N, Mousaei N, Yazdani M, Amirghofran Z. *Antiinflamm Antiallergy Agents Med Chem.* **2018**; 17(1):39-49
29. Using proteomics as a powerful tool to develop a vaccine against Mediterranean visceral leishmaniasis. Rashidi S, **Kalantar K**, Hatam G. *J Parasit Dis.* **2018** Jun; 42(2):162-170
30. Achievement amastigotes of *Leishmania infantum* and investigation of pathological changes in the tissues of infected golden hamsters. Rashidi S, **Kalantar K**, Hatam G *J Parasit Dis.* **2018** Jun; 42(2):187-195
31. Anti-inflammatory activity of *Echium amoenum* extract on macrophages mediated by inhibition of inflammatory mediators and cytokines expression. Najmeh Naseri , **Kurosh Kalantar** , Zahra Amirghofran. *Research in Pharmaceutical Sciences* 13 (1), 73,**2018**
32. Apoptosis-inducing Effect of the Hexane Extracts from Three Native Iranian Euphorbia Plants. Narjes Shekofteh , Mehri Ghafourian Boroujerdnia , Neda Khosravi , **Kurosh Kalantar** , Saeed Malek-Hosseini , Haideh Namdari , Zahra Amirghofran. *Int J Cancer Manag.* **2017**; 10(11)
33. Seroepidemiological study of *Toxoplasma gondii* infection among psychiatric patients in Mashhad, northeast of Iran. Ebrahim ABDOLLAHIAN, Reza SHAFIEI, Naghmeh MOKHBER, **Kurosh KALANTAR**, and Abdolmajid FATA. *Iran J Parasitol.* 2017 Jan-Mar; 12(1):117-122
34. Effect of MicroRNA-21 Transfection on In-vitro Differentiation of Human Naive CD4+ T Cells to Regulatory T Cells. Namdari H, Ghayedi M, Hadjati J, Rezaei F, **Kalantar K**, Rahimzadeh P, Salehi E. *Iran J Allergy Asthma Immunol.* 2017 Jun; 16(3):235-244
35. Comparison of the In Vitro Antifibrogenic Effects of Silymarin, Silybin A and 18  $\alpha$ -Glycyrrhizin on Activated Hepatic Stellate Cells. Seyed Younes Hosseini, **Kurosh Kalantar**, Khashayar Shahin, Maryam Ghayour, Masoumeh Rajabibazl, Mohammad-Reza Fattahi, Maryam Moini, Zahra Amirghofran. *Jundishapur J. Nat. Pharm. Prod.*
36. The Seroprevalence of Human Cystic Echinococcosis in Iran: A Systematic Review and Meta-Analysis Study. Reza Shafiei, Saeed Hosseini Teshnizi, **Kurosh Kalantar**, Maryam Gholami, Golnush Mirzaee, Fatemeh Mirzaee. *J Parasitol Res.* 2016; 2016:1425147. Epub 2016 Oct 17
37. Modulation of Cytokine Production and Transcription Factors Activities in Human Jurkat T Cells by Thymol and Carvacrol. Nasser Gholijani, Marjan Gharagozloo, **Kurosh Kalantar** , Amin Ramezani, Zahra Amirghofran. *Adv Pharm Bull.* 2015 Dec; 5(Suppl 1):653-60.
38. In vitro inhibitory effects of thymol and carvacrol on dendritic cell activation and function. Zahra Amirghofran , Hossein Ahmadi, Mohammad Hossein Karimi , **Kurosh Kalantar**, Nasser Gholijani, Zahra Malek-Hosseini. *Pharm Biol.* 2016 Jul; 54(7):1125-32.

39. Islet amyloid polypeptide is not a target antigen for CD8+ T-cells in type 2 diabetes (Iran J Immunol. **Kurosh Kalantar**, Mohammad Hossein Dabbaghmanesh, Emanuela Martinuzzi, Mohsen Moghadami, Zahra Amirghofran 2014 Mar; 11(1):1-12.).
40. Serum levels of tumor necrosis factor- $\alpha$ , interleukin-15 and interleukin-10 in patients with pre-eclampsia in comparison with normotensive pregnant women. **Kurosh Kalantar**, Samira Rajaei, Amir Behzad Heidari, Reza Mansouri, Nesa Rashidi, Maryam Hosseinali Izad, Mahroo Mirahmadian. (Iran J Nurs Midwifery Res. 2013 Nov; 18(6):463-6.)
41. Emergence of co-infection of visceral leishmaniasis in HIV-positive patients in northeast Iran: a preliminary study. Reza Shafiei, Mehdi Mohebali, Behnaz Akhoundi, Meysam Sharifdini Galian, **Kurosh Kalantar**, Saeedeh Ashkan, Abdolmajid Fata, Bibi Razieh Hosseini Farash, Mehrdad Ghasemian. Travel Med Infect Dis. 2014 Mar-Apr; 12(2):173-8.
42. Inhibition of nitric oxide production and proinflammatory cytokines by several medicinal plants. Zahra Amirghofran 1, Saeed Malek-Hosseini, Hossein Golmoghaddam, **Kurosh Kalantar**, Mehdi Shabani. Iranian Journal of Immunology 2011 Sep; 8(3):159-69.
43. Association of Tumor Necrosis Factor-Alpha and Interleukin-10 Gene Polymorphisms in Iranian Patients with Pre-eclampsia. Mahroo Mirahmadian, **Kurosh Kalantar**, Golnaz Heidari, Lili Safdarian, Reza Mansouri, Ali Akbar Amirzargar. Published in American Journal of Reproductive Immunology 2008 Aug; 60(2):179-85.
44. Serum cytokines profiles in Iranian patients with preeclampsia. Reza Mansouri 1, Firoozeh Akbari, Mohammad Vodjgani, Fereidoun Mahboudi, **Kurosh Kalantar**, Mahroo Mirahmadian Published in Iranian Journal of Immunology (2007 Sep; 4(3):179-85)

#### Congress presentation

- 1- Fc receptor-like proteins (FCRL) 3 polymorphisms in Hashimoto's disease (Poster presentation, ICI2016 melbourne)
- 2- In vitro comparison of 18 $\alpha$ -glycyrrhizin, silymarin and silybin A on activated human hepatic stellate cells disease (Poster presentation, ICI2016 melbourne)
- 3- Effect of Dracocephalum kotschy extract on cytokines and transcription factors regulating inflammation in macrophages (Oral Presentation, Tabriz, Iran)
- 4- Islet Amyloid Polypeptide is not a Target Antigen for CD8+ T-Cells in Type 2 Diabetes (Accepted as an excellent presenter).
- 5- Serum levels of TNF- $\alpha$ , IL-15 and IL-10 in Iranian patients with preeclampsia in comparison with normal fertile women (13th Iranian Congress of Biochemistry and 5th International Congress of Biochemistry and Molecular Biology, Yazd, Iran, April.16-19,2013)
- 6- Association of IL-10 gene polymorphisms in Iranian Patients with Preeclampsia (19<sup>th</sup> European Student Congress 2008 in Berlin)
- 7- Association study of TNF- $\alpha$  promoter regions (-238, and -308) polymorphisms in Iranian patient with preeclampsia (5<sup>th</sup> congress of reproductive immunology in Berlin 2007).

#### Research Interest

- 1- Infectious disease
- 2- Autoimmune disease

### **Work Experiences:**

- 1- I know some biology techniques (PCR, qPCR, Elisa, Elispot, Cell Culture, Flow Cytometry, preparing dendritic Cells using accelerated DC technology (acDC), MTT assay, MLR, apoptosis evaluation test).

### **Congresses:**

- 1-15th Congress on immunology in Joundi Shahpour University of Medical Sciences
- 2-15th International Congress of Immunology, Millan, Italy.
- 3-16th International Congress of Immunology, Melbourne, Australia.
- 4- 10<sup>th</sup> Congress on immunology in Tehran University of Medical Sciences.
- 5- 8<sup>th</sup> Congress on immunology in Tehran University of Medical Sciences.
- 6- 9<sup>th</sup> Iranian congress of pathology
- 7- 5<sup>th</sup> International congress on infectious disease between Iran and France
- 8- 9<sup>th</sup> Congress on immunology in Iran University Of Medical Sciences
- 9 - 19<sup>th</sup> European Student Congress 2008 in Berlin

### **Workshops as Learner:**

- 1- Scientific Writing-2006 - Tehran Medical University
- 2- Electronic Search-2006 - Tehran Medical University
- 3- Flowcytometry and application in immunology

### **Workshops as instructor:**

- 1- Graph Pad software (Prism)
- 2 -Data analysis of Real-Time PCR

### **Professional affiliation/Academic Membership**

- 1- Iranian Immunology Association.
- 2- European Association of Cancer Research