

# CURRICULUM VITAE

**Siamak Sandoghchian**

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**Information:**

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## EDUCATION

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2008 - 2012

Jiangsu University, China, Ph.D.

Major: Medical Immunology

Advisor: Huaxi Xu, Ph.D.

2000 - 2006

Islamic Azad University, Tabriz Branch, Tabriz, Iran, D.V.M

Major: Doctor of Veterinary

Advisor: Ali Rezayi, D.V.M. Ph.D.

## ACADEMIC EMPLOYMENT

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August 2014 -  
Present

**Teacher**, Immunology Department,

Faculty of Medicine, Tabriz branch, Islamic Azad University

August 2012 -  
May 2013

**Graduate Research Assistant**, Nanjing Medical University, Liver transportation research Center, National Science Foundation project entitled: "TLR2 and 4 and HMGB1 effects in Liver Cancer."

## HONORS AND AWARDS

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2016            **Outstanding Teaching Award**  
Awarded by Tabriz Medical University, Department of Immunology.

## PROFESSIONAL AFFILIATIONS AND SERVICES

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### **Ad-hoc Reviewer**

Journal of Razi University

### **Committee Member**

Education committee member of Tabriz Azad University (2016-present)

Tabriz Immunology Research center Admissions Committee (2015- present)

## PUBLICATIONS

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### *PEER-REVIEWED JOURNAL ARTICLES*

Mahmoudi, J., **S.Sandoghchian**, et al. (2017). "Up-regulation of TLR2 and TLR4 in high mobility group Box1-stimulated macrophages in pulpitis patients." Iranian journal of basic medical sciences **20**(2): 209.

RaziSoofiyani, S., T. Kazemi, **S.S.Sandoghchian** .et al. (2017). "The effects of gene therapy with granulocyte-macrophage colony-stimulating factor in the regression of tumor masses in fibrosarcoma mouse model." Journal of Cancer Research and Therapeutics **13**(2): 362.

Vajdi-Hokmabad, M Ziaee, S Sadigh-Eteghad, **SS Shotorbani**, ...I. (2017). "Modafinil Improves Catalepsy in a Rat 6-Hydroxydopamine Model of Parkinson's Disease; Possible Involvement of Dopaminergic Neurotransmission."

Sadat-Hatamnezhad, L., A. Tanomand, **S.S.Sandoghchian** et al. (2016). "Activation of Toll-Like Receptors 2 by High-Mobility Group Box 1 in Monocytes from Patients with Ischemic Stroke." Iranian biomedical journal **20**(4): 223.

Majdi, A., **S.Sandoghchian**, et al. (2016). "The interplay of microRNAs and post-ischemic glutamate excitotoxicity: an emergent research field in stroke medicine." Neurological Sciences **37**(11): 1765-1771.

Namvaran, A., J. Mahmoudi, **S.S.Sandoghchian** et al. (2015). "A Visualized Guideline for Cancer Chemotherapy Induced Neuropathic Pain in Mice Using Cisplatin." *Journal of Experimental and Clinical Neurosciences* **2**(1): 1-4.

Pilehvar-Soltanahmadi, Y., Y. Panahi, **S.S.Sandoghchian** et al. (2014). "Two small molecule lead compounds as new antifungal agents effective against *Candida albicans* and *Saccharomyces cerevisiae*." *Novelty in Biomedicine* **2**(2): 47-52.

Safarzadeh, E., **S. S. Shotorbani**, et al. (2014). "Herbal medicine as inducers of apoptosis in cancer treatment." *Advanced pharmaceutical bulletin* **4**(Suppl 1): 421

Mansoori, B., **S. S. Shotorbani**, et al. (2014). "RNA interference and its role in cancer therapy." *Advanced pharmaceutical bulletin* **4**(4): 313.

Su, Z., **S. S. Shotorbani**, et al. (2013). "A method of experimental rheumatoid arthritis induction using collagen type II isolated from chicken sternal cartilage." *Molecular medicine reports* **8**(1): 113-117.

Chen, J., **S.S.Sandoghchian**, et al. (2012). "Increased frequency of Th17 cells in the peripheral blood of children infected with enterovirus 71." *Journal of medical virology* **84**(5): 763-767.

He, Z., **S. Shotorbani**, et al. (2012). "HMGB1 Promotes the Differentiation of Th17 via Up-Regulating TLR2 and IL-23 of CD14+ Monocytes from Patients with Rheumatoid Arthritis." *Scandinavian journal of immunology* **76**(5): 483-490.

W Kaiwen, S Zhaoliang, Z Yinxia, **SS Siamak**, J Zhijun, X Yuan, Y Heng. (2012). "Changes and significance of IL-25 in chicken collagen II-induced experimental arthritis (CIA)." *Rheumatology international* **32**(8): 2331-2338.

**Sandoghchian, S.**, Y. Zhang, et al. (2012). "IL-4 effect on IL-17 in liver inflammation of rheumatoid arthritis." *Journal of Reproductive Immunology* **94**(1): 100-101.

**Sandoghchian, S.**, Y. Zhang, et al. (2012). "HMGB1 promotes the differentiation of Th17 via up-regulating TLR2 and IL-23 of CD14+ monocytes from patients with rheumatoid arthritis." *Journal of Reproductive Immunology* **94**(1): 100.

**Shotorbani, S. S.** (2012). High-mobility group box1 (HMGB1) promotes the differentiation of The 17 via up-regulating TLR2 and Il-23 of CD14+ monocytes from patients with rheumatoid arthritis, 江苏大学.

**Shotorbani, S. S.**, Z. He, et al. (2012). "Over-expression of Hlx homeobox gene in DC2. 4 dendritic cell enhances its maturation and antigen presentation." *Cellular immunology* **275**(1): 61-68.

Y Liu, H Zhu, Z Su, C Sun, J Yin, H Yuan, **S Sandoghchian**, et al. (2012). "IL-17 contributes to cardiac fibrosis following experimental autoimmune myocarditis by a PKC $\beta$ /Erk1/2/NF- $\kappa$ B-dependent signaling pathway." *International immunology* **24**(10): 605-612.

J Chen, Z Su, Y Liu, **S Sandoghchian**, D Zheng, S Wang, H Xu. (2011). "Herbaspirillum species: a potential pathogenic bacteria isolated from acute lymphoblastic leukemia patient." *Current microbiology* **62**(1): 331-333.

Su, Z., **S.S.Sandoghchian**, et al. (2011). "HMGB1 blockade attenuates experimental autoimmune myocarditis and suppresses Th17-cell expansion." *European journal of immunology* **41**(12): 3586-3595.

Shi, Y., **S. Sandoghchian Shotorbani**, et al. (2011). "Enhanced HMGB1 expression may contribute to Th17 cells activation in rheumatoid arthritis." *Clinical and Developmental Immunology* **2012**.

**Shotorbani, S. S.**, Z.-L. Su, et al. (2011). "Toll-like receptors are potential therapeutic targets in rheumatoid arthritis." *World journal of biological chemistry* **2**(7): 167.

**Shotorbani, S. S.**, Y. Zhang, et al. (2011). "IL-4 can inhibit IL-17 production in collagen induced arthritis." *Iranian Journal of Immunology* **8**(4): 209.

Su, Z., **S.S.Sandoghchian**, et al. (2010). " $\beta$ -Lactamase gene and porin ompK36 gene in multi-resistant *Klebsiella pneumoniae*." *Chinese Journal of Nosocomiology* **20**(22): 3449-3451.

Su, Z., **S.S.Sandoghchian**, et al. (2010). "Drug resistance and transposon and insertion sequence of multi-drug resistant *Acinetobacter baumannii*." *Chinese Journal of Nosocomiology* **20**(20): 3085-3087.

## CONFERENCE PRESENTATIONS

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### TALKS

An evaluation of IgM and IgG Immunoglobulin in Iron deficiency Anemia ( 2 nd Congress of Molecular Medicine in Turkey) ,2007

- To construct and efficient DNA vaccine against *Mycobacterium tuberculosis* (13 th International congress of Immunology ),Brazil,2007

- Evaluation of anti *Listeria Monocytogenes* Antibody in indirect immunofluorescence method At Tabriz laboratory(8th Iranian Congress of Immunology And Allergy)2006-Tehran

- Evaluation of Incidence rate of B.V.D in Azerbaijan Sheep's ( Marand National Biology congress)Marand

- Evaluation of Incidence rate of Bovine abortion in Azerbaijan (Azerbaijan National Biology congress)
  - Study of Incidence and type rate of External Parasites in Tabriz cats (3th National Canine medicine Congress)2005-Tehran
  - Sources of Visceral Leishmaniasis in Khosroshahr of Azerbaijan (14 nd Iranian Veterinary Congress)2005-Tehran
  - Study of Induction rate in Bitch dogs by performing GnRH Analogs (2nd National Canine medicine Congress)2004-Tehran
  - Purification And Production of Polyclonal Antibodies against Rats Immunoglobulin in Rabbit(6 thcongress of Iranian Veterinary Students)2004-Mashhad
- TLRs expiration in Alzheimer disease (oral) 5th toll Like Receptor international meeting in SPAIN.(2015)..

**Skills:**

**A) Language:**

TOEFL (81 out of 120)

HSK (Chinese Language Certificate-Upper Intermediate)

TOEMER (Turkish Language certificate-Upper intermediate)

**B) Laboratory**

: PCR- WESTERN BLOT- QRT pcr- FACS- IMMUNO FLORECANSE- IMMUNO HISTOCHEMISTRY- CELL CULTURE- TUNNEL ASSAY- ELISA- PATHOLOGY TEQNICHES- CLINICAL IMMUNOLOGY TEQNICHES- GENE COLONE- ANIMAL MODELS – wound healing assay

**C) Computer:**

SPSS- Official Microsoft – Photo Shop- Laboratory Techniques Software