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### **Education and Professional Standing**

Faculty member, Department of Immunology, Iran University of Medical Sciences, from 2001  
PhD Immunology, Tehran University of Medical Sciences, 1995-2000.  
Visiting research fellow, Laboratory of Immunogenetics, McMaster University, Canada, 1999-2000.  
Doctorate of medical laboratory sciences, Tehran University of Medical sciences, 1990-1995.

### **Research Interests**

Transplantation Immunology and Immunogenetics. Molecular studies of the complexity, polymorphism and functional roles of HLA region (A, B, C, DR, DQ, DP, TAP and LMP) genes. Immunogenetic profiling in transplantation and various clinical conditions. Study of cytokines, killer cell immunoglobulin-like receptors, adhesion and other Immunoregulatory molecules polymorphism in the Iranian population. Immunology of stem cells and regenerative medicine.

### **ISI Publications**

- 1- Bita Saifi, Seyed Abdrahim Rezaee, **Nader Tajik**, ..... Th17 and related cytokines in unexplained recurrent spontaneous miscarriage at the implantation window. **Accepted**. Reproductive Biomedicine Online.
- 2- Bita Seifi, Reza aflatoonian, **Nader Tajik**,..... T regulatory / T helper 17 imbalance in unexplained recurrent spontaneous miscarriage at the implantation window. **Accepted**. Cell (Yakhteh) Journal.
- 3- Mahboobnia Kh, **Tajik N**. Vitamin D receptor gene polymorphism and its relation to disease susceptibility. **Accepted**. Advanced biomedical research.

4. Rapid and Simultaneous Detection of Vitamin D Receptor Gene Polymorphisms by a Single ARMS-PCR Assay. Jafari M, Pirouzi A, Anoosheh S, Farnia P, **Tajik N**. *Mol Diagn Ther*. 2013 Oct 15.
5. Gender specificity of a genetic variant of angiotensin-converting enzyme and risk of coronary artery disease. Firouzabadi N, **Tajik N**, Bahramali E, Bakhshandeh H, Maadani M, Shafiei M. *Mol Biol Rep*. 2013 Aug;40(8):4959-65. doi: 10.1007/s11033-013-2596-1. Epub 2013 May 10.
6. Donor KIR genotype with KIR2DS3 and/or KIR3DS1 increases survival after non-T-cell depleted HLA-identical sibling hematopoietic stem cell transplantation for acute myeloid leukemia. Farhad Shahsavari, **Nader Tajik**, Kobra Entezami, Behnam Asadifar, Kamran Alimoghaddam, Ardeshtir Ghavamzadeh. *Life Science Journal*. 2013;10(6s): 17-25.
7. Association of angiotensin-converting enzyme (ACE) gene polymorphism with elevated serum ACE activity and major depression in an Iranian population. Firouzabadi N, Shafiei M, Bahramali E, Ebrahimi SA, Bakhshandeh H, **Tajik N**. *Psychiatry Res*. 2012 Dec 30;200(2-3):336-42.
8. Association of angiotensin-converting enzyme polymorphism with coronary artery disease in Iranian patients with unipolar depression. Firouzabadi N, **Tajik N**, Bahramali E, Bakhshandeh H, Ebrahimi SA, Maadani M, Rasoulizadeh M, Mobasher T, Shafiei M. *Clin Biochem*. 2012 Nov;45(16-17):1347-52.
9. Susceptibility to pulmonary tuberculosis in Iranian individuals is not affected by compound KIR/HLA genotype. **Tajik N**, Shah-Hosseini A, Mohammadi A, Jafari M, Nasiri M, Radjabzadeh MF, Farnia P, Jalali A. *Tissue Antigens*. 2012 Feb;79(2):90-96.
10. Study of KIR Expression and HLA Ligands in CD56+ Lymphocytes of Drug Resistant Tuberculosis Patients. Mousavi T, Shahsavari F, Farnia P, **Tajik N**, Soofi M. *Iran J Allergy Asthma Immunol*. 2011 Sep;10(3):189-94.
11. Firouzabadi N, **Tajik N**, Shafiei M, Ebrahimi SA, Bakhshandeh H. Interaction of A-240T and 2350G related genotypes of angiotensin-converting enzyme (ACE) is associated with decreased serum ACE activity and blood pressure in a healthy Iranian population. *Eur J Pharmacol*. 2011 Oct 1;668(1-2):241-7.
12. KIR3DL1+HLA-B Bw4Ile80 and KIR2DS1+HLA-C2 combinations are both associated with ankylosing spondylitis in the Iranian population. **Tajik N**, Shahsavari F, Poormoghimi H, Radjabzadeh MF, Mousavi T, Jalali A. *Int J Immunogenet*. 2011 Oct;38(5):403-9
13. Mousavi T, Poormoghimi H, Moradi M, **Tajik N**, Shahsavari F, Asadifar B. Inhibitory Killer Cell Immunoglobulin-Like Receptor KIR3DL1 in Combination with HLA-B Bw4iso Protect against Ankylosing Spondylitis. *Iran J Immunol*. 2010 Jun;7(2):88-95.

14. Mousavi T, Poormoghim H, Moradi M, **Tajik N**, Shahsavari F, Soofi M. Phenotypic study of natural killer cell subsets in ankylosing spondylitis patients. *Iran J Allergy Asthma Immunol.* 2009 Dec;8(4):193-8.
15. Mousavi T, Farnia P, **Tajik N**, Soofi M. Elevation of CD56brightCD16- lymphocytes in MDR pulmonary tuberculosis. *Iran J Immunol.* 2010 Mar;7(1):49-56.
16. Shahsavari F, **Tajik N**, Entezami KZ, Fallah Radjabzadeh M, Asadifar B, Alimoghaddam K, Ostadali Dahaghi M, Jalali A, Ghashghaie A, Ghavamzadeh A. KIR2DS3 is associated with protection against acute myeloid leukemia. *Iran J Immunol.* 2010 Mar;7(1):8-17.
17. **Tajik N**, Shahsavari F, Nasiri M, Radjabzadeh MF. Compound KIR-HLA genotype analyses in the Iranian population by a novel PCR-SSP assay. *Int J Immunogenet.* 2010 Feb 37: 159-168.
18. **Tajik N**, Shahsavari F, Mousavi T, Radjabzadeh MF. Distribution of KIR genes in the Iranian population. *Tissue Antigens.* 2009 Jul;74(1):22-31. Epub 2009 Apr 21.
19. Mousavi T, **Tajik N**, Moradi M, Radjabzadeh MF. CpG Immunotherapy in *Chenopodium album* sensitized mice: The comparison of IFN-gamma, IL-10 and IgE responses in intranasal and subcutaneous administrations. *Clin Mol Allergy.* 2008 Sep 17;6:10.
20. **Tajik N**, Kazemi T, Delbandi A, Ghods A, Salek Moghaddam A. The Predictive Value of HLA-DR Matching and Cytokine Gene Polymorphisms in Renal Allograft Acute Rejection: a Living-unrelated Donor (LURD) Study. *Iran J Immunol.* 2006 Dec;3(4):150-6.
21. **Tajik N**, Salari F, Ghods AJ, Hajilooi M, Radjabzadeh MF, Mousavi T. Association between recipient ICAM-1 K469 allele and renal allograft acute rejection. *Int J Immunogenet.* 2008 Feb;35(1):9-13.
22. Saraji A, Pourmand G, Mehraei A, Taherimahmoudi M, Nikoobakht M, Asadpour A, Nikbin B, **Tajik N**, Emamzadeh A. Microchimerism and renal transplantation: doubt still persists. *Transplant Proc.* 2007 May;39(4):948-50.
23. **Tajik N**, Salari F, Hajilooi M, Amoli M, Salekmoghaddam A. Rapid detection of intercellular adhesion molecule 1 (G241R and K469E) polymorphisms by a novel PCR-SSP assay. *Tissue Antigens.* 2007 Apr;69(4):338-41.
24. Zand N, **Tajik N**, Moghaddam AS, Milanian I. Genetic polymorphisms of cytochrome P450 enzymes 2C9 and 2C19 in a healthy Iranian population. *Clin Exp Pharmacol Physiol.* 2007 Jan-Feb;34(1-2):102-5. Erratum in: *Clin Exp Pharmacol Physiol.* 2007 Apr;34(4):385.
25. Hajilooi M, Rafiei A, Reza Zadeh M, **Tajik N**. Association of interleukin-1 receptor antagonist gene polymorphism and susceptibility to human brucellosis. *Tissue Antigens.* 2006 Oct;68(4):331-4.

26. Hajilooi M, **Tajik N**, Sanati A, Eftekhari H, Massoud A. Association of the Phe206Leu allele of the L-selectin gene with coronary artery disease. *Cardiology*. 2006;105(2):113-8. Epub 2005 Dec 15.

27. **Tajik N**, Singal D, Pourmand G, Ebrahimi-Rad M, Radjabzadeh M, Tavasoli P, Khosravi F, Nikbin B. Prospective study of microchimerism in renal allograft recipients: association between HLA-DR matching, microchimerism and acute rejection.. *Clin Transplant*. 2001 Jun;15(3):192-8.

### **Ongoing projects**

Post-transplant immune monitoring in kidney transplantation.

Application of Mesenchymal stem cells in treatment of type 1 autoimmune diabetes and in islet cell transplantation.

Human platelet alloantigens (HPA) in coronary artery disease.