

Houshang Rafatpanah



Education

1998-2003

PhD in Immunology

• Department of Immunology, The University of Manchester, Manchester, UK

1992-1994

MSc in Immunology

• Dept of Immunology, Mash-had University of Medical Sciences, Mash-had, Iran

1983-1987

BSc in laboratory sciences

• Iran University of Medical Sciences, Tehran, Iran.

Research Experience

2010-present:

Associated professor of Immunology

• Immunology Research Center, School of Medicine, Mash-had University of Medical Sciences, Mash-had-Iran.

2003-2010

Assistant professor of Immunology

• Immunology Research Center, School of Medicine, Mash-had University of Medical Sciences, Mash-had-Iran.

1994-1998

Lecturer in Immunology

• Dept of Immunology, Ghaem Hospital Mash-had university of Medical Sciences, Mash-had, Iran.

1987-1992

Teaching assistant

- Dept of Immunology, Ghaem Hospital, Mash-had University of Medical Sciences, Mash-had-Iran.

Publication and Presentations

- Mohammadnejad F, Ganjali R, Tavakol Afshari J, Ghanbari M, Heydari M Rafatpanah H. Association between Vitamin D receptor gene polymorphisms and type 1 diabetes mellitus in Iranian population. Mol Biol Rep. 2011 May 17. [Epub ahead of print]
- Ganji A, Esmailzadeh A, Ghafarzagdegan K, Helalat H, Rafatpanah H, Mokhtarifar A. Correlation between HBsAg quantitative assay results and HBV DNA levels in chronic HBV. Hepat Mon. 2011; 11(5).

- High prevalence of HTLV-I infection in Mashhad, Northeast Iran: A population-based seroepidemiology survey. Rafatpanah H, Hedayati-Moghaddam MR, Fathi Moghaddam F, Bidkhorri HR, Shamsian SA, Ahmadi S, Sohgandi L, Azarpazjhoor MR, Rezaee SA, Farid R, Bazarbachi (submitted to journal of clinical virology).
- Esmaeili B, Rezaee, Layegh P, Tavakkol Afshari J, Dye P, Ghayoor Karimiani E, Rafatpanah H. Investigation of IL-17 and COX2 gene expression in peripheral blood leukocytes of vitiligo patients (accepted by Iranian journal of asthma allergy and clinical immunology).
- Sadeghian MH, Keramati MR, Ayatollahi H, Rafatpanah H, Khajeh aluei M, Baesi N. C3 and C4 Complement Levels in Iron Deficiency Anemia. Iranian Journal of Pathology 2011; 6:56-62.
- Ghaffari J, Rafatpanah H, Khalilian A, Nazari Z, Ghaffari R. prevalence of pollen allergens in asthmatic, allergic rhinitis and urticaria patients. MJM 2011; 54:44-49.
- Asnaashari A, Rafatpanah H, Shahriar M, Towhidi M, Attaran D, Shakeri MT, Fatemi SS, Amiri Darban A. Evaluation of Gamma-Interferon in diagnosis of Tuberculosis Pleurisy. MJM 2011; 54:7-12.
- Hassanshahi G, Arababadi MK, Assar S, Hakimi H, Karimabad MN, Abedinzadeh M, Rafatpanah H, Derakhshan R. Post-transfusion-transmitted hepatitis C virus infection: a study on thalassemia and hemodialysis patients in southeastern Iran. Arch Virol. 2011 Feb 22. [Epub ahead of print].
- Hosseini M, Dastghaib SS, Rafatpanah H, Hadjzadeh MA, Nahrevanian H, Farrokhi I. growth. Clinics (Sao Paulo). 2010; 65:1175-81.
 - Riahi B, Rafatpanah H, Mahmoudi M, Memar M, Brook A, Tabasi N, Karimi G. Immunotoxicity of paraquat after subacute exposure to mice. Food Chem. Toxicol 2010; 10:1016.
 - Shirdel A, Rafatpanah H, Rahimi H, Rezaee AR, Azarpajooch MR, Beyk yazdi A, Hutchinson IVH. A Functional Polymorphism of the Granulocyte Macrophage Colony Stimulating Factor is not associated with the Outcome of HTLV-I Infection. IJBM 2010; 14:40-47.
 - Sadeghian MH, Keramati MR, Badiei B, Ravarian M, Ayatollahi H, Rafatpanah H, Khajeh Daluei M. Alloimmunization among transfusion-dependent thalassemia patients. Asian J Transf Sci 2009; 3: 95-98.
 - Tarhini M, Kchour G, Sayadpour Zanjani D, Rafatpanah H, Otrrock ZK, Bazarbachi A, Farid F. Declining tendency of human T-cell leukaemia virus type I carrier rates among blood donors in Mashhad, Iran. Pathology 2009; 41:498-499.
 - Taghavi SA, Fatemi SS, Rafatpanah H, Ganjali R, Tavakolafshari J, Valizadeh. Mutations in the coding regions of the hepatocyte nuclear factor 4 alpha in Iranian families with maturity onset diabetes of the young. Cardiovascular Diabetology 2009; 8:63-68.
 - Kchour G, Tarhini M, Kooshyar MM, El Hajj H, Wattel E, Mahmoudi M, Hatoum H, Rahimi H, Maleki M, Rafatpanah H, Rezaee SA, Tabatabaei Yazdi M, Shirdel A, de The H, Hermine O, Farid R, Bazarbachi A. Phase II study of the efficacy and safety of the combination of arsenic trioxide, interferon alpha, and zidovudine in newly diagnosed chronic ATL. Blood 2009 113: 6528-6532.
 - Watson RR, Zibadi S, Rafatpanah H, Jabbari F, Ghasemi R, Ghafari J, Afrasiabi H, Foo LY, Faridhosseini R. Oral administration of the purple passion fruit peel extract reduces wheeze and cough and improves shortness of breath in adults with asthma. Nutr Res 2008; 28:166-71.

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- Nemati Karimooy H, Hassanabady H, Rafatpanah H. Four cases of polyneuropathy due to HTLV-I infection in Imam Reza Hospital: North East of Iran. *Pakistan Journal of Medical Sciences* 2007; 23: 283-286.
- Seilanian Toosi M, , Tavakkol Afshar J, , Ghavam Nassiri MR, Malekzadeh Moghani M, Rafatpanah H, Brook A. The Role of Interleukin 1 β Gene polymorphism in Gastric Cancer in North-eastern Iran. *Iranian Journal of Pathology* 2007; 2: 59-66.
- Seilanian Toosi M, Rafatpanah H, Tavakkol Afshar J, Ghavam Nassiri MR, Sima HR, Malekzadeh Moghani M, Ganjali R. The Role of Tumor Necrosis Factor- α Promoter Polymorphisms in Gastric Carcinoma in Iranians: A Case-Control Study in the North-East of Iran. *Govaresh* 2007; 12: 192-199.
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- Kchour G, Makhoul NJ, Mahmoudi M, Kooshyar MM, Shirdel A, Rastin M, Rafatpanah H, Tarhini M, Zalloua PA., Hermine O, Farid R, Bazarbachi A. Zidovudine and interferon-treatment induces a high response rate and reduces HTLV-1 proviral load and VEGF plasma levels in patients with adult T cell leukemia from North East Iran. *Leuk Lymphoma* 2007;48:330-6.
- Farid Hosseini R, Jabbari Azad F, Talaeei A, Miri S, Mokhber N, Farid Hosseini F, Esmaeili H, Mahmoudi M, Rafatpanah H, Mohammadi M. Assessment of the Immune System Activity in Iranian Patients with Major Depression Disorder (MDD). *Iran J Immunol* 2007; 4:38.
- Hosseini-Farahabadi S, Tavakkol-Afshari J, Rafatpanah H, Farid Hosseini R, Khaje Daluei M. Association between the Polymorphisms of IL-4 Gene Promoter (-590C>T), IL-13 Coding Region (R130Q) and IL-16 Gene Promoter (-295T>C) and Allergic Asthma. *Iran J Allergy Asthma Immunol* 2007; 6:9-14.
- Majidi M, Rafatpanah H, Zamanian A, Hassanzadeh N. Epstein – Barr virus antibody titers in non nasopharyngeal head and neck squamous cell carcinoma. *The Iranian Journal of Otorhinolaryngology* 2006; 18: 2006.
- Rafatpanah H, Reza Farid, Gelareh Golanbar, Farahzad Jabbari Azad. HTLV-I Infection: Virus structure, Immune Response to the Virus and Genetic Association Studies in HTLV-I-Infected Individuals. *Iranian Journal of Allergy, Asthma and Immunology* 2006; 5:153-166.
- Hosseini Farahabadi S, Tavakkol Afshari J, Ganjali R, Rafatpanah H, Ghaffari J, Farid-Hosseini R. Association between the Polymorphism of TGF- β 1 Gene Promoter (-509C>T) and Idiopathic Chronic Urticaria. *Iranian Journal of Allergy, Asthma and Immunology* 2006; 5:109-113.

- Farid R, Ghasemi R, Baradaran-Rahimi M, Jabbari F, Ghaffari J, Rafatpanah H. Evaluation of Six Years Allergen immunotherapy in Allergic Rhinitis and Allergic Asthma. Iranian Journal of Allergy, Asthma and Immunology 2006; 5: 29-31.
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- Farid R, Ghafari J, Parizadeh M, Miri S, Rafatpanah H. Prevalence of HTLV-I infection in Neishabour-Iran. Medical Journal of MUMS 2005; 47:417-424 (Persian).
- Rafatpanah H, Pravica V, Farid R, Abbaszadegan MR, Tabatabaei A, Goharjoo A, Etemadi MM, Hutchinson IV. Association of a novel single nucleotide polymorphism in the human perforin gene with the outcome of HTLV-I infection in patients from northeast Iran (Mash-had). Hum Immunol 2004; 65:839-46.
- Rafatpanah H, Bennett E, Pravica V, McCoy MJ, David TJ, Hutchinson IV, Arkwright PD. Association between novel GM-CSF gene polymorphisms and the frequency and severity of atopic dermatitis. J Allergy Clin Immunol 2003; 112:593-8.
- Farid R, Etemadi A, Rafatpanah H. Immune response in drug resistant patients with tuberculosis. Medical Journal of MUMS 1994; 45:23-6 (Persian).
- Rafatpanah H, Jafari M, Farid R, Baradaran H. HLA typing in patients with insulin dependent diabetes type I. Medical Journal of MUMS 1999; 81:54-57 (Persian).
- Farid R, Shirdel A, Etemadi M, Rafatpanah H, Baradaran H, Farid R, Nikbin B. Phylogenetic of Human T-cell Lymphotropic Virus Type I in Iranians Born in Mashhad. Arc Iranian Med 1991; 2.
- Poster presentation; Cytokine gene polymorphism in patients with HTLV-I associated myelopathy tropical spastic paraparesis. BSI, December 2000, Harrogate, U.K.
- Poster presentation: Association of HLA-DR and risk of HAM/TSP in HTLV-I infected individuals. 10th International Conference of HTLV-I, July 2001, Dublin, Ireland.
- Poster presentation: Novel polymorphisms in GM-CSF. December 2001, BSI, Harrogate, U.K.
- Oral presentation: Is there association between GM-CSF gene polymorphism and phenotypic variation in GM-CSF production. 5th Iranian Congress of Allergy and Immunology, May 2004, Mash-had, Iran.
- Poster presentation: Association of a novel single nucleotide polymorphism in the human perforin gene with the outcome of HTLV-I infection in patients from northeast Iran (Mash-had). 12th International Congress of Immunology and 4th Annual Conference of FOCIS. July 2004, Montreal, Canada.
- Poster presentation: Expression of IL-17 and COX2 gene expression in peripheral blood leukocytes of vitiligo patients. 14th International Congress of Immunology. August 2010, Kobe, Japan.

Membership in Societies

- Iranian Society of Allergy and Immunology
- British Society of Immunology (BSI)