

Seyyed A Rezaee, PhD

Contact details

Department of Immunology
Qaem Hospital
School of Medicine
Mashhad University of Medical Sciences
Ahmad Abad Street
Mashhad- Iran

Tel: +98 (0511) 8012768
Mobile:+98 (0)

Emails: a_rezaee@hotmail.com
rezaeer@mums.ac.ir

Education

- 1986-1990 PhD. (Medical Molecular Immunology) Immunovirology, 'Cloning, Production, structural studies and immunomodulatory activities of KSHV vOX2, University of Glasgow, UK
- 1983-1986 MSc. Immunology, Evaluation of serum β 2 microglobulin, hematologic parameters and kidney function in renal transplantation, University of Tehran, Iran
- 1980-1983 BSc: Animal Biology, Histological study of Bursa Fabricius and Thymus development in the chicken. University of Mashhad (Ferdowsi)

Appointments

- 12/09/2006 Lecturer in Immunovirology, Mashhad University of Medical Sciences (MUMS)
- 2006- Fellow Researcher, Cancer Studies, Medical School, University of Birmingham
- 1994- 2009 Part time lecturer in Immunology, Azad University, Mashhad Branch
- 1996-2001 Quest lecturer in Immunology, Azad University of Yazd
- 1993-1994 Lecturer in Semnan University of Medical Sciences, Semnan, Iran,

Post-doctoral experience

- 2006- Dr. Blackburn's Lab, Cancer Research UK Institute for Cancer Studies, Medical School, University of Birmingham

honours

- 2007- 2009 The Blood Transfusion Organization (Khorasan Razavi province), member of Research Council
- 2007- 2010 Elected research Committee member, The planning Committee for Heart Researches in Mashhad University of Medical Sciences (MUMS)
- 2001-2005 PhD program, Molecular study of KSHV
- 2006-2010 The Iranian Academic Centre for Education (Khorasan Branch), member of Research Council

Awards

- 2010 Local Award for medical book
- 1998 National Award for Medical year book (1998)

Professional service

- 2009- 2010 Conference organiser: The 1st Iranian International Congress on HTLV-I and

- Associated Diseases , Mashhad University of Medical Sciences (MUMS)
- 2007- 2010 Mashhad University of Medical Sciences (MUMS): The Research Council member
- 2007- 2010 Mashhad University of Medical Sciences (MUMS): member of the Ethic Committee for Biomedical research
- 2007-2008 Deputy-Vice Chancellor of Research, Mashhad University of Medical sciences
- 2008 Scientific Director, The real time PCR seminar and workshop, 2008
- 2007 Scientific Director, The stem cell therapy in Multiple Sclerosis and HAM/TSP, 2007
- 2008-2012 Editor, Journal of Basic Medical Sciences, MUMS

Society membership

- 2008- Member of the Iranian Society of Biomedical laboratory in molecular diagnostic
- 2008- Member of the Iranian Society for Immunology
- 2005-2006 Member of the Society for General Microbiology, UK

Grant reviewer

Avicenn Research Institute, Mashhad University of Medical Sciences Research council. Azad University (Mashhad Branch), The Blood Transfusion Organization (Khorasan Razavi province), The IACE (Mashhad Branch).

Oral presentation in international meetings

- 2010 Evaluation of therapy regimes in HTLV-I Associated Diseases using Molecular approaches, The 1st Iranian International Congress on HTLV-I and Associated Diseases, Mashhad University of Medical Sciences (MUMS)
- 2010 The assessment of Immunophenotypic, HIV viral load and HTLV-I proviral load in HTLV-I, HIV co-infected subjects in Mashhad. The 1st Iranian International Congress on HTLV-I and Associated Diseases , Mashhad University of Medical Sciences (MUMS)
- 2009 Humanised, Chimeric Viral Proteins as Therapeutic Agents: Evaluating KSHV vOX2:Fc. BIT Life Sciences' 3rd Annual World Congress of Gene-2009, Foshan, China, December 2009 (due to some problem could not go for presentation)
- 2005 Suppression of inflammatory reactions by KSHV recombinant vOX2 protein. National Cancer Research Institute (NCRI) Cancer Conference. Birmingham, UK, October, 2005.
- 2005 Negative modulation of innate immune responses by KSHV recombinant OX2:Fc (vOX2:Fc) . In Proceeding of Heriot- Watt University 156th meeting SGM 4-7 April, DNA virus session on 6th of April. 2005.

National (Iranian) seminar invitations

- 2010 Recombinant proteins in today's Medicine, Biotechnology and Modern Technology in Molecular Medicine, MUMS, EDC, 2010
- 2009 Invited speaker, Absolute quantification of HCV genome as a valid marker for monitoring of HCV infected subjects. In the HCV meeting. The Iranian Academic Centre for Education (Khorasan Branch), and MUMS, 2010
- 2008 Invited speaker, Scientific Committee member, The assessment of HIV viral load using real time PCR and COBAS AMPLICOR HIV-1 MONITOR Test, in HIV infected subjects, 10th annual congress of pathology and 4th annual congress of Iranian cancer association, Tehran, Iran 2008
- 2008 Conductor and Speaker, Real Time Workshop, , 10th annual congress of pathology and 4th annual congress of Iranian cancer association, Tehran, Iran 2008
- 2008 Speaker and Scientific Director, The real time PCR seminar and workshop, Avicenn

Undergraduate & MSc teaching

For PhD students; Molecular Immunology, Cellular and Molecular Biology, Selected Topics in Immunology, Advance Immunology (each 4 lectures).

For M.Sc. students in Immunology (MUMS), 1996-2001 and 2006-now: molecular biology (from 2009 coordinator and 6 lectures) , cellular and molecular Immunology(3 lectures), immunology of Infectious diseases (coordinator, 6 lectures). Immunological techniques, Scientific Methodology (the logic of science) (coordinator, 6 lectures)

For Pathology residents, 1999-2001(organised and ran) Cellular and Molecular Diagnostic Techniques in Immunology and Virology.

For medical students (MUMS), 1996-2001: Immunology (2 lectures), practical immunology, (*organised and ran. For medical students (Azad University, Mashhad Branch, medical school), 1997- 2001 and 2008- now (organised and ran) Immunology.*

For Immunology and Allergy Fellowships, The Molecular basis of immunological diseases (every Monday).

Panel discussion and case report of immunocompromised patients with viral infections, Qaem Hospital, every month.

For under graduate students, 2006 –2009: Virology (organised and run), 1994- now: Immunology (2 lectures).

Supervision of research students

PhD Supervisor

Bahareh Fazeli (commenced Oct, 2008)
M Amini (commenced Oct, 2008)

M.D Supervisor

Farideh Madadi (Residency, commenced Oct 2008)
Halaj Moghadam (Commenced Oct 2010)
Yalda Dadpoor (Residency, Completed Apr 2010)
Leila Esmaeilian (completed Jan, 2010)

MSc Supervisor

Mahboobeh Tagheeabadi (commenced Oct 2009)
Mohamad Mohamadi (completed Oct 2007)
Reza Sabeti (completed Oct 2007)
Narges Zabihi (completed, Apr 2010)
Behnaz Esmaili (completed, Nov 2009)
Fatemeh Riahi (completed, Sep 2009)
M Motiee (commenced Oct 2009)
T Rajaei (commenced Oct 2009)
M Torkaman (commenced Oct 2010)
F Sabet (commenced Oct 2010)

PhD, Fellowship and residency co-supervisor

M Shahriari (PhD, Commenced 2010)
R Hami (PhD, Commenced 2008)
R Fardid (PhD, Commenced, 2008)
Hamed Sadeghian (Residency, Pathology, commenced, 2008)
Hamed Zamanian (Fellowship, Immunology and Allergy, commenced 2009)

Gahade Ghashour (PhD, completed, Aug 2009)
Najmah Asghari (Residency, Completed Aug 2008)
H Shahriari (PhD, commenced, Oct 2008)

Patents

United Kingdom Patent Application No. 0506721.0: "Soluble Immunoregulatory Factor" **D.J. Blackbourn** and **Razae**. Filed in national territories. WO 2006/103472 A2

Research papers

- 1- Fazeli B, **Rezaee S.A.**; The role of platelet, endothelium and leukocyte interactions in Thromboangiitis Obliterans: Thrombosis or angiitis, which is to blame? (Accepted in Vascular Journal).
- 2- Shirdel A, Rafatpanah H, Rahimi H, **Rezaee S.A.**, Azarpajoo MR, yazdi A. B, Hutchinson I V. A functional polymorphism of the granulocyte macrophage colony stimulating factor is not associated with the outcome of HTLV-I Infection. Iranian Journal of Basic Medical, 2010, 13 (2): 40-47
- 3- Kchour G, Tarhini M,, **Rezaee SA**, et al. Phase 2 study of the efficacy and safety of the combination of arsenic trioxide, interferon alpha, and zidovudine in newly diagnosed chronic adult T-cell leukemia/lymphoma (ATL). Blood 2009, 113(26):6528-32.
- 4- Assarehzadegan M, Shakerinejad, Noroozkohnejad, Amini, **Rezaee SA**: Prevalence of hepatitis C and B infection and HCV genotypes among hemodialysis patients in Khuzestan province, Southwest Iran. Saudi J Kidney Dis Transpl. 2009, 20(4): 681-684.
- 5- Assarehzadegan M, Shakerinejad G, Amini A, and **Rezaee SA**. Seroprevalence of hepatitis E virus in blood donors in Khuzestan Province, Southwest Iran. International journal of infectious diseases. **2008**, 12(4):387-90
- 4- **Rezaee SA**, Cunningham C, Davison AJ, Blackbourn DJ, Kaposi's sarcoma-associated herpesvirus immune modulation: an overview. J Gen Virol 2006, 87:1781-804(**about 60 citations**)
- 5- **Rezaee, S.A.R.**, J.A. Gracie, I.B. McInnes and D.J. Blackbourn. (2005). Inhibition of neutrophil function by KSHV vOX2 protein. AIDS,19:1907-1911
- 6- Dialyna IA, Graham D, **Rezaee R**, Blue CE, Stavrianeas NG, Neisters HG, Spandidos DA, Blackbourn DJ. (2004). Anti-HHV-8/KSHV antibodies in infected individuals inhibit infection in vitro. AIDS **18**(9): 1263-73.
- 7- Naghibi M, Hassannia T, **Rezaee SA**, Farid R, Pishnamaz R. (2002). Laboratory Finding in Successful Kidney Transplantation: Medical Journal of Mashhad University of Medical Sciences 76: 5-11.
- 8- Abrishamy M, Moosavi M, Rezanejad A, **Rezaee SA**, Mazloom SR. (2002). Evaluation of microbial and immunological etiological factors in uveitis in Khorasan (Iran) : Medical Journal of Mashhad University of Medical Sciences 76: 25-32
- 9- Naghibi M, Hassannia T, , Mojahedi J, **Rezaee SA**, Aghdam A, Farid R: (2001); A study for diagnostic and predicted value of serum soluble IL2-R on acute rejection of renal transplantation. Medical Journal of Mashhad University of Medical Sciences 72: 21-27
- 10- Bonakdaran S, Baradaran H, Mozahhab Z, **Rezaee A**. (2001) Predicted value of serum soluble IL2-R α in the prognosis of acute leukemia. Medical Journal of Mashhad University of Medical Sciences 72: 48-53
- 11- Mahmoudi M, **Rezaie SA**, Rastin M, Mazloom SR, Rezaiefard RR. (2000). Evaluation of fasting on lymphocytic subpopulations in a two year study. Iranian Journal of Basic Medical Sciences **3**: 147-154.

- 12- Mirahmadian M, **Rezaee SA**, Nikbin B (2000). Evaluation of serum B2 microglobulin in hemodialysis patients. The Journal of faculty of Medicine (Tehran university) **58**(2): 66-70.
- 13- Farid R, Mehvar, M, **Rezaee SA**, *et al.* (2000). Evaluation of CD25 in HAM/TSP patients and HTLV1 carriers in Mashhad-Iran. Medical The Iranian Hospital **2**(2): 16-18.
- 14- Talai N, Baradaran H, Varasteh A, Mahmoudi M, Saghfi M, **Rezaee SA**, Rahimzadeh F., Isolation of Extractable Nuclear Antigens (ENA) for design ENA-DID kits and determines validity of it in evaluation of systemic Rheumatoid Disease, Iranian journal of basic medical Sciences, 3, 155-164, 2000.
- 15- Baradaran H, **Rezaee SA**, Khoshnava . (1999). Diagnostic value of serum secific IgG and IgA for H.pylori infection in choronic gasteritis patients. Medical Journal of Mashhad University of Medical Sciences 64: 10-18
- 16- Baradaran H, firoozyan F, **Rezaee SA** (1997);Gentamycine impacts on phagocytosis and cellular immunity in Rabbit. Medical Journal of Mashhad University of Medical Sciences. 40(55-56): 3-8.
- 17- Mahmmodi M, **Rezaee SA**, (2000). Prion diseases and public health. Raze behzistan (MUMS) **15**: 10-17.
- 18- Mirahmadian M, Nikbin B, **Rezaee SA** (1995). Serum B2 microglobulin level as a diagnostic parameter for early diagnosis of renal allograft rejection. The Journal of the Faculty of Medicine (Tehran University) **52**: 1-12.

Significant books

- 1- Farid Hossaini R, **Rezaee**, et al: Essential Immunology. 2nd Eddition 2011, Astan Ghods Razavi Press.(In press)
- 2- Etemadi M, Farid R, **Rezaee SA**, Human T lymptropic Virus and HTLV-I related diseases, MUMS Press, 2010
- 3- Ghazvini K, **Rezaee SA**, Practical Virology, MUMS Press, 2009
- 4- Translation in to Persian of "Abbas AK, Lichtman AH, Pober J, S cellular and Molecular Immunology (2nd edition, 1997, 4th edition and 6th edition, 2001-2007; W.B. Saunders).
- 5- Farid R,...., **Rezaee SA**, *et al.* (2000): Essential Immunology. Astan Ghods Razavi Press.
- 6- Mahmoodi M, **Rezaee SA**: Mad cow crisis . Astan Ghods Razavi Press. 2000

Conference Contributions

1. Ziaeemehr A, Esmailian L, Riazi Z, Valizadeh N, Sarveghad M, Momen heravi Rafatpanah H, **Rezaee SA**, Evaluation of Phenotypic markers in HTLV-I co-infected in 66 HIV positive subjects in Mashhad-Iran, The 1st Iranian International Congress on HTLV-I and Associated Diseases , (MUMS) 2010
2. Jabbari F, Shabestari M, Farid R, **Rezaee S**, Rafatpanh H, The sero-prevalence of HTLV-1 infection in coronary arteries disease in Mashhad and Neishbour patients in 2007 and 2008, The 1st Iranian International Congress on HTLV-I and Associated Diseases , (MUMS) 2010
3. Sarveghad, Riazi ZM, Valizadeh N, Rafatpanah H, **Rezaee SA**, The impact of HTLV-1 co-infection on HIV viral load, immunophenotypic markers and HIV clinical outcomes. The 1st Iranian International Congress on HTLV-I and Associated Diseases , (MUMS) 2010
4. Fazeli B, **S.A Rezaee**, H Rafatpanah, Is Buerger's Disease a kind of Neurogenic Inflammation? Asian Chapter Meeting, of the international Union of Angiology. Hyatt Regency Tokyo, Japan, October 2009.

5. Colman, R., K. Misstear, A. Hislop, H. Long, **R. Rezaee**, A. Rickinson, D.J. Blackbourn. KSHV vOX2 and its cellular counterpart, CD200, inhibit antigen-specific T cell responses. 162nd SGM meeting, Edinburgh, Scotland, April 2008.
6. Rezaee, S.A., D.J. Blackbourn, O. Byron, T. Jess and A. S. Solovyova. Biophysical analysis of vOX2, the viral analogue of CD200 protein. 15th International AUC conference, London, April 2006
7. Rezaee, S.A., A. Gracie, I. McInnes and D.J. Blackbourn. Negative modulation of inflammation in vivo by KSHV recombinant vOX2 protein. 8th International Workshop on KSHV and Related Agents. Wildbad Kreuth, Germany, August, 2005
8. Dialyna, I.A., D. Graham, S.A. Rezaee, N.G. Stavrianeas, D.A. Spandidos and D. J. Blackbourn. Anti-KSHV neutralising antibodies in infected individuals. The 6th International Workshop on KSHV and related agents, New York, USA, 2003.
9. Mahmoodi M, **Rezaee SA**, Mazloum SR, et al,. Preiferal blood lymphocyte subpopulations normal range determination in healthy adults in Mashad, Iran. In the 5th Inter. Cong. of Immunology, Iran (17-19 may, 2000).
10. **Rezaee SA**, Mirahmadian M, Nikbin B. Correlation analysis between serum β 2-microglobulin and kidney function parameters, WBC and ischemia in renal transplantation. In the 5th Inter. Cong. of Immunology, Iran (17-19 may, 2000).
11. Bradaran H, Firoozian F, **Rezaee SA**. Gentamycin effects on phagocytosis and cellular immunity in rabbit. In The 4th Inter. Cong. Immunology, Iran (13-15 may 1998).
12. Bradaran H, Firoozian F, **Rezaee SA**. The effects of penicillin G on rabbit immune system. In The 4th Inter. Cong.Immunology, Iran (13-15 may 1998).
13. Bradaran H, Firoozian F, **Rezaee SA**. The effects of streptomycin and ceftizoxime on adaptive homoral immunity in rabbit. In The Fourth Inter. Cong.Immunology, Iran (13-15 may 1998).