

# Seyyed Abdorrahim Rezaee, PhD



## Contact details

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## Education

- 2000-2005 PhD. (Medical Immunovirology) Thesis: Immunovirology, 'Cloning, Production, structural studies and immunomodulatory activities of KSHV vOX2, University of Glasgow, UK
- 1983-1986 MSc. Immunology, Evaluation of serum  $\beta 2$  microglobulin, hematologic parameters and kidney function in renal transplantation, Tehran University of Medical Sciences, Iran
- 1980-1983 BSc: Biology, Histological study of Bursa Fabricius and Thymus development in the chicken. Ferdowsi University of Mashhad

## Appointments

- 2006- Now Lecturer in Immunovirology, Mashhad University of Medical Sciences (MUMS)
- 2006- 2007 Fellow Researcher, Cancer Studies, Medical School, University of Birmingham
- 1994- 2009 Part time lecturer in Immunology, Azad University, Mashhad Branch
- 1996-2001 Guest lecturer in Immunology, Azad University of Yazd
- 1993-1994 Lecturer in Semnan University of Medical Sciences, Semnan, Iran,

## Post-doctoral experience

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

## Honours

- 2010- Now Executive Director: HTLV-I Foundation , Mashhad University of Medical Sciences (MUMS)
- 2007- Now 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)
- 2007-2009 The Ethical Committee for Medical Research, Mashhad University of Medical Sciences (MUMS), Member
- 2008- Now Honored Academic Member of School of Advanced Technologies in Medicine,

## MUMS

- 2006-Now The Iranian Academic Centre for Education (Khorasan Branch), member of Research Council
- 2010-Now The Iranian Academic Centre for Education (Khorasan Branch), member of research Committee for Hepatitis, AIDS and HTLV-I

## Professional services and Administrative positions

- 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
- 2009- 2010 Conference organiser: The 1st Iranian International Congress on HTLV-I and Associated Diseases , Mashhad University of Medical Sciences (MUMS)
- 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-now Editorial Board member, Journal of Basic Medical Sciences, MUMS.
- 2011 Scientific Director, The Real Time PCR seminar and workshop, 2011, 12th Biochemistry congress. Mashhad, Iran

## Society membership

- 2008- now Member of the Iranian Society of Biomedical laboratory in molecular diagnostic
- 2008- now Member of the Iranian Society for Immunology
- 2010-now Member of the Iranian Medical Council
- 2005-2006 Member of the Society for General Microbiology, UK

## Grant reviewer

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

## Awards

- 2010 Local Award for medical book, Diagnostic Virology, MUMS press, 2009
- 1998 National Award for Medical year book (1998), Cellular and Molecular Immunology, IACE, Khorasan Branch press.

## Virus Sequencing

### Collaboration in complete genome sequencing of HHV-8 | (Human herpesvirus 8 strain GK18, complete genome)

GenBank: AF148805.2 [FASTAGraphics](#)

LOCUS AF148805 137969 bp DNA linear VRL 15-OCT-2009  
DEFINITION Human herpesvirus 8 strain GK18, complete genome.  
ACCESSION AF148805 VERSION AF148805.2 GI:87196820  
SOURCE Human herpesvirus 8 (Kaposi's sarcoma-associated herpesvirus)  
ORGANISM Human herpesvirus 8  
Viruses; dsDNA viruses, no RNA stage; Herpesvirales; Herpesviridae;  
Gammaherpesvirinae; Rhadinovirus.  
REFERENCE 1 (bases 115410 to 137969)

AUTHORS Glenn,M., Rainbow,L., Aurade,F., Davison,A. and Schulz,T.F.  
 TITLE Identification of a spliced gene from Kaposi's sarcoma-associated herpesvirus encoding a protein with similarities to latent membrane proteins 1 and 2A of Epstein-Barr virus  
 JOURNAL J. Virol. 73 (8), 6953-6963 (1999)  
 PUBMED [10400794](#)  
 AUTHORS **Rezaee,S.A.**, Cunningham,C., Davison,A.J. and Blackbourn,D.J.  
 TITLE Kaposi's sarcoma-associated herpesvirus immune modulation: an overview  
 JOURNAL J. Gen. Virol. 87 (PT 7), 1781-1804 (2006)

**Supervision in HTLV-1 complete sequence in Iran**

**Human T-cell leukemia virus type I isolate MhD ATL3, complete genome**

GenBank: MH399767.1

[FASTA Graphics](#)

[Go to:](#)

LOCUS MH399767 9035 bp DNA linear VRL 28-OCT-2018  
 DEFINITION Human T-cell leukemia virus type I isolate MhD ATL3, complete genome.  
 ACCESSION MH399767  
 VERSION MH399767.1  
 KEYWORDS .  
 SOURCE Human T-cell leukemia virus type I (HTLV-1)  
 ORGANISM [Human T-cell leukemia virus type I](#)  
 Viruses; Riboviria; Pararnavirae; Artverviricota; Revtraviricetes;  
 Ortervirales; Retroviridae; Orthoretrovirinae; Deltaretrovirus.  
 REFERENCE 1 (bases 1 to 9035)  
 AUTHORS Mirhosseini,A., Moharerri,M., Arab,R., **Rezaee,S.A.**, Mashkani,B. and Rafatpanah,H.  
 TITLE Complete Sequence of Human T-cell Lymphotropic Virus type- 1 in ATL Patients from Northeast Iran, Mashhad Revealed a Prematurely Terminated Protease and an elongated pX Open Reading Frame III  
 JOURNAL Unpublished  
 REFERENCE 2 (bases 1 to 9035)  
 AUTHORS Mirhosseini,A., Moharerri,M., Arab,R., **Rezaee,S.A.**, Mashkani,B. and Rafatpanah,H.  
 TITLE Direct Submission  
 JOURNAL Submitted (29-MAY-2018) Inflammation and Inflammatory Diseases Division, Mashhad University of Medical Sciences, Azadi, Mashhad, Khorasan 009851, Iran

**Gene Bank Submission:**

gb-admin@ncbi.nlm.nih.gov [gb-admin@ncbi.nlm.nih.gov] have provided GenBank accession numbers for your nucleotide sequences® More than 60 partial sequences from HTLV-1, HPV and

## International Patents

United Kingdom Patent Application No. 0506721.0: "Soluble Immunoregulatory Factor" D.J. Blackbourn and **Razaee S.** Filed in national territories UK. World intellectual property: WO 2006/103472 A2, Razaee Seyyed Abdolrahim - Inventor (1 - 2 of 2 results)

- 1- Blackbourn David J, **Razaee Seyyed Abdolrahim**: Soluble immunoregulatory factor. Univ Glasgow May, 21 2008: CN 200680018907
- 2- Blackbourn David J, **Razaee Seyyed Abdolrahim**: Soluble KSHV vox2 protein as immunoregulatory factor. The University Court Of The University Of Glasgow Oct, 5 2006: WO 2006/103472

The invention provides soluble derivatives of the vOX2 protein encoded by Kaposi's sarcoma-associated herpesvirus (KSHV), and their use for the treatment of inflammatory disorders such as autoimmune diseases, allergy and graft rejection.

## National Patents:

### عنوانی اختراع

- 1- طراحی، بهینه‌سازی و ساخت پروتئین کایمرو انسانی- ویروسی دارای 3 عنصر ژنی KSHV vOX2 CD200 به صورت توان برای دستیابی به داروی ضد التهابی در انسان
- 2- فرآیندکلونینگ و تولید پروتئین کایمرویک Ag85B:Fc در سیستم یوکاریوتی با استفاده از فیوژن Ag85B مایکوباکتریوم توبرکولوز و بخش Fc مولکول IgG1 انسانی جهت استفاده در واکسن سل

## Research papers

رجوع شود به آدرس اینترنتی Google Scholar

<https://scholar.google.com/citations?user=cmX8HXUAAAAJ&hl=en>

و یا سایت Scopus، به آدرس:

<https://www.scopus.com/authid/detail.uri?authorId=8936952200&eid=2-s2.0-79959203528>

## Significant books

- 1- **Rezaee S.A.**, Assarahzadegan M, Farid Hossainy F, Amini A, Cellular and Molecular Immunology, Saunders, 7<sup>th</sup> ed, 2011, Ebn-Sina Press. 2012
- 2- Farid Hossaini R, **Rezaee S.A.**, et al: Essential Immunology. 2<sup>nd</sup> Eddition 2012, Astan Ghods Razavi Press.
- 2- Etemadi M, Farid R, **Rezaee S.A.**, Human T lymphotropic Virus and HTLV-I related diseases, MUMS Press, 2010
- 3- Ghazvini K, **Rezaee S.A.**, Practical Virology, MUMS Press, 2009
- 4- Translation in to Persian of "Abbas AK, Lichtman AH, Pober J, S cellular and Molecular Immunology (2<sup>nd</sup> edition, 1997, 4<sup>th</sup> edition and 6<sup>th</sup> edition, 2001-2007; W.B. Saunders). 2<sup>nd</sup> edition awarded as IR Iran year book
- 5- Farid R, ..., **Rezaee S.A.**, et al. (2000): Essential Immunology. Astan Ghods Razavi Press.
- 6- Mahmoodi M, **Rezaee S.A.** Mad cow crisis 2000. Astan Ghods Razavi Press.

## **Undergraduate & Postgraduate teaching**

For Immunology PhD students; Bioinformatic, Molecular Immunology, Psychoneuroimmuno-endocrinology, Gene engineering, Cellular and Molecular Biology, Selected Topics in Immunology, Advance Immunology (each 4 lectures), Advance methods in Immunology,

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

For Clinical pathology fellowships (Fellowship in Medical laboratory sciences), Cellular immune-diagnostic techniques ( 2 lectures), The diagnostic Lab tests for immunocompromised patients

For Microbiology PhD students; Immunology of infectious diseases, Gene engineering, For Immunology and Allergy Fellowships 2002-2014, The Molecular basis of immunological diseases (every Monday).

Panel discussion and case report of immunocompromised patients with viral infections 2004, Qaem Hospital, every month.

For M.Sc. students in Immunology and Microbiology (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, 14 lectures), Scientific approaches (17 lectures)

For medical students (MUMS), 1996-20018: Immunology (3 lectures), practical immunology, (organised and ran).

*For medical students (Azad University, Mashhad Branch, medical school), 1997- 2001 and 2008- (organised and ran) Immunology.*

For under graduate students, 2006 –2009: Virology (organised and run), 1994- 2011: Immunology