

1. Personal Information

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2. Educational Qualifications

1998-2003 Ph.D. in Molecular Medical Virology, Tarbiat Modares University, Faculty of
Medical Sciences, Tehran, Iran.

1991-1994 M.Sc. in Virology, Tarbiat Modares University, Tehran, Iran.

1978-1983 B.Sc. in Laboratory Sciences, Tabriz University, Tabriz, Iran

3. Lecture Subjects

۳. Postgraduate Programs in Tarbiat Modares University:

- General Virology
- Systematic Virology
- Viral Pathogenesis
- Viral Vaccine
- Oncolytic Viruses
- Oncolytic viruses in cancer therapy
- Viral Oncoproteins
- Novel approaches for cancer therapy
- DNA Vaccine & Baculo-based recombinant protein vaccine
- MSC loaded oncolytic viruses in Cancer therapy

4. Publications

Journal Papers

١. Razavi H, **Soleimanjahi H**, Fotouhi F, [Antitumor Response to a DNA Vaccine Encoding Codon-Optimized HPV-16 E7/HSP70 Fusion Antigen in C57BL/6 Mice Model Iranian Journal of Immunology\(Accepted\).](#)
٢. Feizi N, Mehrbod P, Romani B, **Soleimanjahi H**, Bamdad T, Feizi A, Jazaeri EO, Targhi HS, Saleh M, Jamali A, Fotouhi F, Nargesabad RN, Abdoli A. [Autophagy induction regulates influenza virus replication in a time-dependent manner.](#) J Med Microbiol. 2017 Apr;66(4):536-541. doi: 10.1099/jmm.0.000455.
٣. Parisa Saadat, Hoorieh Soleimanjahi, Seyed Mohsen Asghari, Maryam Fazeli, Hadi Razavinikoo, and Hesam Karimi. [Co-Administration of Anti-Angiogenic Peptide and DNA Vaccine in Cervical Cancer Tumor Model](#), Int J Cancer Manag. 2017 March; 10(3):e4723.
٤. Ahmadi E, **Soleimanjahi H**, Sadeghizadeh M, Teimoori A. [Development of Poly \(A\)-Tailed Universal Reverse Transcription PCR Method for Sequence-Independent Amplification of Rearranged Rotavirus.](#) Arch Iran Med. 2016 Sep;19(9):625-30. doi: 0161909/AIM.005.
٥. Abdoli A, **Soleimanjahi H**, Jamali A, Mehrbod P, Gholami S, Kianmehr Z, Feizi N, Saleh M, Bahrami F, Mokhtari-Azad T, Abdoli M, Kheiri MT. [Comparison between MDCK and MDCK-SIAT1 cell lines as preferred host for cell culture-based influenza vaccine production.](#) Biotechnol Lett. 2016 Jun;38(6):941-8. doi: 10.1007/s10529-016-2069-4. Epub 2016 Mar 5.
٦. Khorasani A, Madadgar O, Soleimanjahi H, Keyvanfar H, Mahravani H. [Evaluation of the efficacy of a new oil-based adjuvant ISA 61 VG FMD vaccine as a potential vaccine for cattle.](#) Iran J Vet Res. 2016 Winter;17(1):8-12.
٧. Kianmehr Z, Kaboudanian Ardestani S, **Soleimanjahi H**, Fotouhi F, Alamian S, Ahmadian S. [Comparison of Biological and Immunological Characterization of Lipopolysaccharides From Brucella abortus RB51 and S19.](#) Jundishapur J Microbiol. 2015 Nov 7;8(11):e24853. doi: 10.5812/jjm.24853. eCollection 2015 Nov.
٨. Gableh F, Saeidi M, Hemati S, Hamdi K, **Soleimanjahi H**, Gorji A, Ghaemi A. [Combination of the toll like receptor agonist and \$\alpha\$ -Galactosylceramide as an efficient adjuvant for cancer vaccine.](#) J Biomed Sci. 2016 Jan 25;23:16. doi: 10.1186/s12929-016-0238-3.
٩. Goodarzi Z, **Soleimanjahi H**, Arefian E, Saberfar E, [The effect of bovine rotavirus and its nonstructural protein 4 on ER stress-mediated apoptosis in HeLa and HT-29 cells.](#) Tumour Biol. 2015 Oct 1.
١٠. H. Choobin, T. Bamdad, **H. Soleimanjahi**, and H. Razavinikoo, [Antitumor Effect of mIFN \$\lambda\$ 3 in C57BL/6 Mice Model for Papilloma Tumors](#), Molecular Biology, 2015, Vol. 49, No. 5, pp. 694–699.
١١. Goodarzi Z, **Soleimanjahi H**, Saberfar E, Teimoori1, A, Razavi1, H. [Peptide based polyclonal antibody production against bovine rotavirus non structure protein4 \(NSP4\).](#) Archives of Razi Institute, Vol. 70, No. 3 (2015) 157-161.
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Evaluation of mesenchymal stem cell biology in reovirus infection	Razieh sadat Banijamali, Hoorieh Soleimanjahi, Sara Soudi , Seyed Mahmood Seyed Khorrami, Hesam_Karimi	International journal of Health and life- science,LIFE CONGRESS DOUBI 2017
Archaeosomes as a potent delivery nanoparticles for Human Papillomavirus candidate DNA vaccine	Hesam_Karimi, Hoorieh Soleimanjahi, Asghar Abdoli , Masoumeh Shirmohammadi , Seyed Mahmood Seyed Khorrami, Razieh sadat Banijamali	INTERNATIONAL CONGRESS , CANCER PREVENTION & EARLY DETECTION INTEGRATION OF RESEARCH & ACTION Tehran, I.R of Iran – 28_30 January 2017
Archaeosomes as Adjuvante and DNA Vaccine Nanodelivery Systems for Human papillomavirus	Hesam_Karimi, Hoorieh Soleimanjahi, Asghar Abdoli , Seyed Mahmood Seyed Khorrami , Masoumeh Shirmohammadi , Razieh sadat Banijamali	3 rd congress of Asme Allergy 2017
Protection induced by a reassortment rotavirus vaccine in a gnotobiotic pig	Hesam_Karimi, Hoorieh Soleimanjahi, Ali Teimoori, Hadi Razavi nikoo, Parisa	9 th Congress of microbiology 2017 shiraz

model	Saadat	
Assessment of immune responses in cervical cancer model using DNA vaccine and anti-angiogenic peptide	Parisa Saadat, Hoorieh Soleimanjahi, Seyed Mohsen Asghari, Zahra Kianmehr, Susan Kaboudanian Ardestani, Hesam Karimi	9 th Congress of microbiology 2017 shiraz
Optimization of <i>Pancoronaviruses</i> Detection in viral respiratory infections by RT-PCR	Somayeh Alipour, Dr. Hoorieh Soleimanjahi, Dr. Fatemeh Fotohi	The 7th international Congress on Pulmonary Diseases and Intensive Care and Tuberculosis ۱۳۹۴
In vitro transcription of Coronaviruses Polymerase Gene with T7 RNA polymerase	Somayeh Alipour, Dr. Hoorieh Soleimanjahi, Dr. Fatemeh Fotouhi	9 th International Congress of Laboratory & Clinic 2016
Detection of Papillomavirus in Trichomonas vaginalis suspicious vaginal specimens in Mahshahr	Maryam Mozafari, Hoorie Soleimanjahi, Abdolhossein Dalimi, Ehsan Zafari, mohammad Qolami, Leyla Moradi	9 th International Congress of Laboratory & Clinic 2016
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Comparison of DNA extraction methods for normal cervical paraffin- embedded tissues	Mirshahabi H, Z Meshkat, Soleimanjahi H	3rd Iranian Congress of Virology (2006)
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Chemical composition of essential oil Tagetes	Soleimanjahi H., A. Ghaemi, ,	To be Presented on 2nd International Congress on Traditional Medicine

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Application of Baculovirus Expression System to Produce Recombinant Glycoprotein G of Herpes Simplex Virus Type- 1, In Order to Develop an ELISA Test	Zandi K., Roostae M.H.,Sadeghizadeh M., Rassae M.J., Soleimanjahi H	HUPO 2nd Annual & IUBMB XIX World Congress, (2003)
Production of Herpes Simplex Type 1 Thymidine Kinase Recombinant Protein in E.coli	Rahimi Zadeh Sh., Roostae M.H.,Rezaee A.,Zandi K, Soleimanjahi H	HUPO 2nd Annual& IUBMB XIX World Congress,2003
Comparison of Western Blotting Method with Virus Neutralization Test for Measuring Herpes Simplex Virus Type 1 (HSV-1) Antibodies to gpDNAgD or gpDNAgG or both of them	Meshkat Z., Roostae M. H., Soleimanjahi H., Zandi K., Meshkat M	HUPO 2nd Annual & IUBMB XIX World Congress, (2003)

Induction of neutralizing antibodies against HSV-1 in BALB/c mice inoculated with recombinant DNAs	Aghaebrahimian A.,Roostae M.H., <i>Soleimanjahi H.,Zandi K</i>	HUPO 2nd & IUBMB XIX World Congress, (2003)
Comparison of western blotting method with virus neutralization test for measuring HSV1	Meshkat Z.,Roostae M.H., <i>Soleimanjahi H., Meshkat M</i>	HUPO 2nd Annual & IUBMB XIX World Congress, (2003)
Comparison of HSV-1gD w.blotting pattern with Herpes Simplex Virus Type1	Meshkat Z., Roustae M.H., <i>Soleimanjahi H</i>	3rd Biotech. Cong. 2003
" Nucleic acid vaccine encoding gB of HSV-1 can protect mice from HSV-1 challenge	Bamdad T., Roustae M.H., Sadegeezadeh M., Mahboodi F., <i>Soleimanjahi H</i>	ECCMID 2003
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<i>Construction of expression vector encoding gpD of HSV-1 and detection of the expressed protein by flurescent technique</i>	<i>Soleimanjahi H.,</i>Roustae M.H.,Rassae M.J.,Mahboodi F	3rd Biotech. Cong. 2003
Construction of an expression vector encoding gD of HSV-1 for detection of the expressed protein by fluorescent	<i>Soleimanjahi H.,</i>Roostae M.h.,Mahboodee F.,Rassae M.J.Bamdad T	Antiviral Reserch 2003

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Virological and seroepidemiological patterns of HSV Infections among pregnant women in 3 Areas of Tehran	Ziyaeyan M.,Roostae M.H.,Shahrabadi M.,Ravanshad M.,Soleimanjahi H	10th International Cong. Of Infect. DIS.,Singapore 2002
Application of passive heamagglutination in comparison with virus neutralization test to detect and measure antibodies against HSV-1	Nejati M., Roustae M.H. , Soleimanjahi H. Sabahi F., Zandi K., Faghii zadeh	1st Iraninan Congress on Virology 2002
Study of Effect of Eucalyptus Extract in Comparison with Acyclovir on HSV-1	Mohammad Hossein Zadeh H., , Roustae M.H.,Soleimanjahi H., Sarrami Forooshani R	." 1st Iraninan Congress on Virology 200
Development and application of ELISA for determination of Mumps virus antibody, compaired	Ghadeiani F., Roustae M.H. Bamdad T.,Sabahi F., Soleimanjahi H	1st Iraninan Congress on Virology 2002

with that of virus neutralization test		
Virological and Seroepidemiological Pattern of HSV-1 & 2 Infections among Pregnant Women in Three Areas of Tehran	Ziyaeyan M.,Roostae M.H.,Shahrabadi M.,Ravanshad M.,Soleimanjahi	1st Iraninan Congress on Virology 2002
Development of Enzyme-Linked Immunosorbent Assay for Immunoglobulin M (IgM)Antibodies to Measles Virus	Roodbari F.,Roustaee M.H.,Mostafaie A., Sabahi F. Soleimanjahi H	1st Iraninan Congress on Virology 2002
Detection and titration of haemagglutination inhibition antibodies against PI3 virus in sera treated with kaolin and heparin	Astani A., Roustaee M.H., Soleimanjahi H., Bamdad T., Kazemnejad A	1st Iraninan Congress on Virology, 2002
Development and application of ELISA to detect and measure human HSV-1 IgM	Ravanshad M.,Roustaee M.H.,Mostafae A., Sabahi F. Ziyaeyan M., Soleimanjahi H	1st Iraninan Congress on Virology, 2002
Construction of expression strain of Pichia Pastoris – Hepatitis Be Ag	Jahanshiri F., Roohvand F., Soleimanjahi H., Amini S	1st Iraninan Congress on Virology, 2002
In Vitro DNA Transfer into Mammalian cells by Dendrosomes	Sadeghizadeh M.,Zolfaghari A.,Soleimanjahi H.,Sarboloki S	Biotech.& Bioph. Cong.2000
Application of ELISA in order to detect IgG	Nizmand H., Sabahi F., Mostaffae A.,	5th Immun. Cong.1999

antibodies against HSV-1	Roustaee M.H., Soleimanjahi H	
Application of ELISA for detecting and measuring Rubella virus antibodies in comparison with hemagglutination inhibition test (HI)	Azizollahi B, Roustaee M.H., , Malekaneh M. Soleimanjahi H	5th Immun. Cong.1999
Assessment of antibody level of antiviruses of poliomyelitis types1,2,and3 in children under 5 years of west-Azarbaijan after holding of the 3 rd national immunization days(NIDs) program in iran.	Golizadeh M.R., Salari Sh., Roostae M.H., Soleimanjahi H	Iranian 12th Ped. Infec. Dis. Conf. Spring 1999
Seroprevalence of measles virus antibodies in vaccinated population in Iran	Khodabandeh Loo M., Sabahi F., Soleimanjahi H., Kazemnejad A. , Roustaee M.H	Iranian 12th Ped. Infec. Dis. Conf. Spring 1999
Humoral immunity in two groups of Iranian children after administration of two supplemental doses of oral poliovirus vaccine on NID	Roustaee M.H., Soleimanjahi H., Gholizadeh M.R	8th International Congress on Infect DIS. Boston. USA. 1998
Techniques for measuring Rubeola antibodies	Roustaee M.H., Soleimanjahi H. Bamdad T. Fotohi F	, Pakistan Society for Microbiology1997
Development of plaque reduction test and	Roustaee M.H., Sharifee Z., Mogim	4th Biochem. Cong. Spring 1996

ELISA for detecting Measles antibodies	Sh. Soleimanjahi H	
Application of Dot Immunobinding assay using Measles antigens for Detection and Titration of Antibodies	Fotohi F. ,Roustae M.H.,Khabiri A.R., Soleimanjahi H., Malekanem	4th Biochem. Cong. Spring 1996
Application of DIA inorder to detect Rubella antibodies."	Bamdad T., Roustae M.H., Soleimanjahi H., Mallekaneh M	4th Biochem. Cong. Spring 1996
Application of VNT for detecting antibody levels against polioviruses in cord blood	Soleimanjahi H., Roustae M.H	4th Biochem. Cong. Spring 1994.

Books

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۲. Soleimanjahi H, Ghaderi M. Medical Molecular Virology, Vol 1, Tarbiat Modares University Press, Tehran, Iran, 2013 (in Persian).
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۴. Soleimanjahi H, Fotouhi F. Baculovirus Expression Vector Systems. Jahad daneshgahi Press, Tehran, Iran, 2010 (in Persian).
۵. Soleimanjahi H, et al. Cloning and Expression systems. Tarbiat Modares University Press, Tehran, Iran, 2007 (in Persian).

Employment History

1991-1994 M.Sc. in Virology, Tarbiat Modares University, Tehran, Iran

1994-1998 Teaching assistant, Medical Virology, Tarbiat Modares University, Tehran,

1998-2014 Academic *Staff* at Tarbiat Modares University, Tehran, Iran.

2009-2017 Head of Medical Virology Dept. Tarbiat Modares University, Tehran, Iran.

Scientific Skills:

Classical Virology Techniques

Insect & Eukaryotic cell cultures, Virus culture and titration (TCID₅₀, PFU), Serum neutralization test, HemAgglutination, Hem Adsorption.

Molecular Virology Techniques

Gene cloning, Transfection, RNA /DNA Extraction and Purification, PCR/RT-PCR, production of recombinant baculovirus, expression of recombinant protein, blotting, Protein - DNA interaction,

Immunological Techniques

Immunofluorescence, ELISA, , SDS-PAGE ,Western blotting. DIA, affinity and ion exchange chromatography, work with experimental model animals

Mesenchymal Stem Cell loading oncolytic virus tech.

Research Interest:

١. Mesenchymal Stem Cell loading oncolytic virus for cancer therapy
٢. Oncolytic viruses and viral oncoproteins.
٣. Enhancement of DNA vaccine efficacy for HSV, HCV, and HPV.
٤. Viral expression systems
٥. Antibody Production and Purification Systems
٦. Application of HSPs in enhancement of an anti-cancer therapeutic vaccine.
٧. Nano-Bio- Particles.
٨. Molecular Diagnostic test such as PCR, Loop-Mediated Isothermal Amplification, Real time PCR, and Virus Isolation for the Detection of HSV1 & HSV2 and CMV.

