Curriculum Vitae

PERSONAL INFORMATION

Name, Surname, Seyed Dawood Mousavi-Nasab

Date of Birth: November 17, 1986

Status: married

E-mail : d.mosavinasab@gmail.com

Education:

Ph.D. in Medical virology, faculty of medical science, Tarbiat Modares University

PhD Thesis:
Development and use of Multiplex-PCR and Hybridization for simultaneous detection of causes of gastroenteritis viruses and for genotyping Rotavirus and Norovirus in infected patients

M.Sc. in Virology
M.sc. in Medical Virology, Faculty of Medical Science, Tarbiat Modares University.

Master Thesis:
Complete genome analysis of Hepatitis C Virus isolated from Iranian patients is referring to Taleghani Hospital in tehran

B.Sc. in Clinical Laboratory
Iran University of Sciences (TUMS)Medical 2007 - June. 2009.

Associate degree in Clinical Laboratory
Shahid Beheshti University of Medical Sciences(SBMU), January. 2005 - July. 2008.

Skills:

Language skills:

- Persian (native language), English (speaking/writing: GOOD)
- German (Beginner).

IT skills:

- End Note
- ICDL
- SPSS (Statistical Software)
- Minitab software
- Graghpad software(Statistical Software)
- NGS

Lab Skills:

Molecular biology techniques
RNA /DNA Extraction, PCR, RT-PCR, Real time PCR, electrophoresis, DNA sequencing…

Classic Virology Lab Skill
Virus propagation in cell culture and embryonic egg, Virus propagation and titration (TCID50, PFU), cloning and expressional vector, Virus Neutralization Test, Hem Agglutination, Hem Adsorption …

Immunologic tests:
Serological test, ELISA, IF, Western blotting, MTT assay …

Familiar to Transfection and production of stable cells, Primary & continues cell culture technique

Bioinformatics skills:

Data submitting and retrieval to and from different molecular biology data bases phylogenetic analyses.

BioEdit & Mega 6 (software for Molecular Evolutionary Genetics Analysis and sequence alignment)

Olig0 7, GeneRunner, primer 3, LASER GENE, Allel ID and NCBI-PSIMER (PCR and REAL-TIME PCR Primer design)

FINCH TV (Software for sequencing data)

Molegro Virtual Docker (Software for Drug discovery)

Software VECTOR NTI, Snap Software (Software for cloning)

PYMOL, C3N (protein bioinformatic)

Teaching Experience:

- Teaching of Medical Virology to microbiology Msc Students, Borojerd University 2014-2015.
- Teaching of Medical Virology to microbiology Msc Students, Borojerd University 2013-2014.

- Teaching of Meddical Virology to Clinical Laboratory Students, Borojerd University 2012-2013.
- Teaching of Biosafty at the workshop
- Teaching of Real-Time PCR at the workshop
- Teaching of primer and Real-Time PCR prob design at the workshop
- Teaching of Bioinformatic at the workshop
- Practical Virology for MSc students of Virology and Microbiology.
- Quality control of viral vaccine

Awards and Certificates:

1. Ranked 4th in MS of virology entrance exam, Ministry of Health

2. Ranked 3th in Ph.D of virology entrance exam, accepted in department of virology in Tarbiat Modares University

4-Bioinformatic workshop,which was held by Iranian Molecular Medicine Network

5-Certificate of PCR and REAL-TIME PCR Primr-Prob Design

6-Certificate of Searching and Analysis of Medical Technology Information

7- Certificate of phylogenetic tree design

Books

Human Carcinogenic Viruses(Royan Pazhouh publication)

Standardization of medical laboratory*(*Royan Pazhouh publication)

Advance molecular biology *(*North Khorasan University of Medical Sciences publication)

Viruses at the Nano biotechnology *(*North Khorasan University of Medical Sciences publication)

Virus vectors*(Khosravi Pbblication)*

Essential of virology (Royan Pazhouh publication)

Essential of biosafety (*Jahrom* University of Medical Sciences publication)

Microbiology laboratory practice*(Borujerd , Islamic Azad University* publication)

Cell culture *(Borujerd , Islamic Azad University* publication)

Executive Committee member of Congress

- 14th Iranian and the 2nd International Congress on Microbiology, Tehran, Iran, July 2013.
- the 6nd International Congress on laboratory and clinic, Tehran, Iran, July 2013.
- the 5nd International Congress on laboratory and clinic, Tehran, Iran, July 2012.
- the 3nd International Congress on laboratory and clinic, Tehran, Iran, July 2019.
- the 6nd International Congress on virology, Tehran, Iran, July 2010.

Research Interest:

- clinical virology
- clinical Bioinformatics
- Diagnosis, Epidemiology and Molecular virology
- Oncolytic Viruses
- Immunovirus studies
- SiRNA and miRNA at virus disease

Research Assistant

1) ***Phylogenetic Analysis of Torque Teno Virus in Hepatitis C Virus Infected Patients in Jahrom city.***

2) ***Comparison of the distribution molecular epidemiology of TT virus isolated from healthy and hepatitis c -infected population in Jahrom city at 2012.***

3) **Investigation of HIV on HCV viral load in patients with HIV/HCV co-infection based HCV genotyping and IL-28 polymorphism.**

Publication

Ahmadi-Vasmehjani, A., **Mousavi-Nasab, S. D**., Baharlou, R., Jeirani, F., & Mahravani, H. (2014). **Diagnosis of Foot-and-Mouth Disease Virus by Real Time Reverse Transcription Polymerase Chain Reaction Assay in Iran.** Iranian Journal of virology, 7(1&2), 21-29.

Hafez, Asghar Ashrafi, Rasoul Baharlou, **Seyed Dawood Mousavi Nasab**, Abbas Ahmadi Vasmehjani, Mohammad Shayestehpour, Negar Joharinia, and Nayeb Ali Ahmadi. "**Molecular Epidemiology of Different Hepatitis C Genotypes in Serum and Peripheral Blood Mononuclear Cells in Jahrom City of Iran**." Hepatitis Monthly 14, no. 5 (2014).

Reza Azizian, **Seyed Dawood Mousavi Nasab** , Nayeb Ali Ahmadi**, Bacteriophage As A Novel Antibacterial Agent In Industry And Medicine** , Journal Of Paramedical Sciences Vol 4, No 4 (2013).

Yazdani, Laleh, Mehrdad Ravanshad, Zahra Khanlari, **Seyed Dawood Mousavi Nasab**, Nayeb Ali Ahmadi, and Masoumeh Imanzad. "**Prevalence of GBV-C among Iranian HBV positive patients using PCR-RFLP technique."** Gastroenterology and Hepatology from bed to bench 6, no. Suppl 1 (2013): S70.

Khanizadeh S, Ravanshad M, Mohbbi R, Naghoosi H, **Mousavi Nasabsd**, Tahaie M.E, Zali MR, **The Relationship Between -611G/A (SNP) At Promoter Of Interferon-Γ Receptor 1 Gene And Chronic HBV Infection**

Khanizadeh S, Ravanshad M, Mohebbi SR, Naghoosi H, **Mousavinasab SD**, Romnani S, Azimzadeh P, Sharifian A, Zali MR, **Correlation Between Polymorphism Of -56 SNP (T/C) Interferon-Γ Receptor 1 Gene And Chronic Infection**,

Khanizadeh, Sayyad, Mehrdad Ravanshad, Seyed Reza Mohebbi, Hamed Naghoosi, Mohamad Abrahim Tahaei, **Seyed Dawood Mousavi Nasab**, Sara Romani, Pedram Azimzadeh, Azar Sanati, and Mohammad Reza Zali. "**Polymorphisms within the promoter region of the gamma interferon (IFN-γ) receptor1 gene are associated with the susceptibility to chronic HBV infection in an iranian population**." Hepatitis monthly 12, no. 11 (2012).

Mozhgani, S. H. R., E. Faghihloo, M. Makvandi, A. R. Samarbaf-Zadeh, R. Zareh-Khoshchehreh, M. Ajorloo, **S. D. Mousavi-Nasab**, and K. Borhani. **"Phylogenetic Analysis of Human Astrovirus Infection among Children Suffering from Gastroenteritis Referred to Aboozar Hospital, Ahvaz, Iran."** Iranian Journal of virology 6, no. 3 (2014): 30-33.

Azizianr, Azizi Jalilian F, Askari H1, Naser A, Karimi ,Sadeghi Fardn, **Mousavi Nasabs.D**; Ahmadi N.A., **Bacteriophage As A New Candidate For The Prevention And Removal Of Biofilms**, Journal Of Ilam University Of Medical Sciences. 2013, 20(5): 84-93.

Samadi, Sara, Mahdi Kianizadeh, Mohsen Fathi Najafi, **Seyed Dawood Mousavi Nasab,** Amir Mohammad Hosseinnia Davatgar, Atabak Royaee, and Parisa Pilvar. "**Molecular characterization and phylogenetic study of velogenic Newcastle disease virus isolates in Iran."** Virus genes 48, no. 2 (2014): 290-295.

Fatemeh Saleh, Hossein Azizi, Farnaz Kheirandish, Fariborz Rashnou, **Seyed Dawood Mousavi Nasab**, Fatollah Movahedi6 and Maryam Azizi7 Frequency of HCV and HBV Co-infections in HIV Positive Patient in City of Iran: A Cross-sectional Study, International Journal of TROPICAL DISEASE & Health, ISSN: 2278 – 1005,Vol.: 6,

Ranjbar MM , **Mousavi-Nasab S**, Ahmadi A,Ghorban K1,Nabyan S1,Dadashmanesh M1, Yousefip.**Immnoinformatics: Novel View In Understanding Of Immune System Function And Vaccines Designing**, Journal Of Ilam University Of Medical Sciences**,**

A. Ahmadi Vasmehjani*, D. Javeshghani1, R. Baharlou1,M. Shayestehpour, **S.D. Mousavinasab,** N. Joharinia1 And S. E**.** Enderami. **Hepatitis A Infection In Patients With Chronic Viral Liver Disease: Across-Sectional Study In Jahrom, Iran**, Epidemiol Infect, 2014 Apr 17:1-6.

Ranjbar MM , **Mousavi Nasab S** , Ghalyanchi Langeroudi A , Nazaktabar A, Ahmadi A, Khoshnevisan R, Esfandyari S, Vafaeimanesh J, Akbari A, **Immnoinformatics and epitope prediction methods; dynamic science with promising achievements**

Mamadi T,Kiani zadeh M, Fathi Najafi M, **Mousavi nasab S.D**, Hossein Nia Davatgar A. Jafari M, Ahmadkhani N.G, Azizian R**, Identification of Newcastle Disease Virus F gene from Recent Outbreaks in Iran,** 2013, 21(1): 135-142

Hamidi M, Mousavi NasabS.D, Ahmadi N, Basati G, Aolad G.R, Salimian J, Zargar M. **Synthesis of antimicrobial peptides in bacteria.** Scientific Journal of Ilam University of Medical Sciences

Ranjbar M.M, **Mousavi Nasab S.D**, Ahmadi N, Basati Gh, **Promising therapeutic approaches for cancer based on unique features of Apoptin protein from chicken virus**, 2013, 20(5): 158-167

Mahdi Ranjbar, Sedigheh Nabian, **Seyed Dawood Mousavi Nasab. Comprehensive phylogenetic,similarity and allergenicityanalysis of Boophilus genus tick Tropomyosin** ProteinbvMohammad. Journal of Paramedical Sciences (JPS). Autumn 2013 Vol.4, No.4 ISSN 2008-4978

Ghaderi, Mostafa, Farzaneh Sabahi, Majid Sadeghizadeh, Zahra Khanlari, Azam Jamaati, **Seyed Dawood Mousavi Nasab,** and Nasrin Majidi Garenaz. "**Construction of a Minigenome Rescue System for Measles Virus, AIK-cStrain**." Iran J Biotech 12, no. 2 (2014): e18002.

Morovvati, A., A. Ghalyanchi-Langeroudi, M. Soleimani**, S. D. Mousavi-Nasab**, and K. Majidzadeh-A. "**Emergence of a New Genotype of Crimean-Congo Hemorrhagic Fever Virus in Iran**." Iranian Journal of virology 6, no. 3 (2014): 24-29.

Ghaderi, Mostafa, Farzaneh Sabahi, Majid Sadeghi-Zadeh, Zahra Khanlari, Azam Jamaati, **Dawood Mousavi-Nasab**, Nasrin Majidi-Gharenaz, Mehdi Ajorloo, and Maryam Fazeli. "**Construction of an eGFP Expression Plasmid under Control of T7 Promoter and IRES Sequence for Assay of T7 RNA Polymerase Activity in Mammalian Cell Lines**." Iranian journal of cancer prevention 7, no. 3 (2014): 137.

Asghar Ashrafi Hafez, Abbas ahmadi vasmehjani, Rasoul Baharlou**, Seyed Dawood MousaviNasab**, Negar Joharinia, Saeid Sobhanian, Mahshid Khoubyari**.Analytical assesment of Interleukin - 23 and -27 cytokines in healthy people and hepatitis C virus infection (genotypes 1 and 3a).**
Hepat Mon. 2014 September; 14(9): e21000.

Rasoul Baharlou, **Seyed Dawood Mousavi Nasab**, Masoud Doosti, Seyed Mohammad Ali Hashemi, Amir Samie, Alireza Esmaeili, Abbas Ahmadi Vasmehjani **Molecular epidemiology of Torque teno virus (TTV) isolated from in healthy and subjects with chronic hepatitis B and C in Jahrom City of Iran .**Iranian Journal of Virology **Volume 7, Number 1 and 2&3 (8-2013**

Mamadi T, Kiani zadeh M, Fathi Najafi M, **Mousavi nasab S.D**, Hossein Nia Davatgar A. M, Jafari M, Ahmadkhani N.G Azizian R **Identification of Influenza Virus H9N2 gene from**
Recent Outbreaks in Iran : koomeshjournal **(Accepted)**

D. Behzadpour, **Seyed Dawood Mousavi Nasab**,**Construction expressing vector the hemagglutinin protein of Human Parainfluenza Virus Type 3 (HPIV3),** Journal of Clinical Virology 70 (2015) S1–S126.

Behzadpour D, Ahmadi Vasmehjani A, Mousavi Nasab SD, Ahmadi NA, Baharlou R**. Impact of HIV infection in patients infected with chronic HCV (genotypes 1a and 3a):** virological and clinical changes. Pathogens and global health. 2016 Nov 16;110(7-8):310-5.

Nasab SD, Baharlou R, Piroozmand A, Toghyani H, Shadmand E, Fazel H, Sadeghi K, Hashemi SM, Shokouh MR, Gheshlaghi A, Ahmadi NA. **Distribution of IL-28B genotypes in patients with hepatitis C and healthy individuals in Jahrom city. Gastroenterology and hepatology from bed to bench**. 2015;8(4):278.

Nasab SD, Sabahi F, Makvandi M, Samiee SM, Nadji SA, Ravanshad M**. Epidemiology of rotavirus-norovirus co-infection and determination of norovirus genogrouping among children with acute gastroenteritis in Tehran**, Iran. Iranian biomedical journal. 2016 Nov;20(5):280.

Fazel H, Shadmand E, Baharlou R, Shokouh MR, Hashemi MA, Farahmand M, Ahmadi Vasmehjani A**. Sero-Epidemiology of Hepatitis E Infections in patients with chronic Hepatitis C virus infection in Jahrom, Southern Iran**. Iranian Journal of Virology. 2016 Sep 15;10(2):7-12.

hadmand E, Baharlou R, Shokouh M R, Mousavi Nasab S D, Ahmadi Vasmehjani A, et al. **Sero - Epidemiology of Hepatitis E and D Infections among HIV - Infected and HIV/HCV - Coinfected Patients in Jahrom,** Southern Iran, Arch Clin Infect Dis. 2018 ; 13(2):e77069. doi: 10.5812/archcid.77069.

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Gharabolagha AF, Sabahia F, Karimib M, Kamalinejadc M, Mirshahabid H, Nasab SD, Ahmadif NA**. Effects of Rhus Coriaria L.(Sumac) Extract on Hepatitis B Virus Replication and Hbs Ag Secretion**. Journal of Reports in Pharmaceutical Sciences. 2018 Jan 1;7(1):100-7.

Naghipour-Khalkhaliani D, Behzadpour D, Nasab SD. **Distribution of hepatitis C virus genotypes in Rasht, capital city of Guilan province, Northern part of Iran**. Hepatitis Monthly. 2018 Feb;18(2).

Azhdar Z, Ghaderi M, Mousavi-Nasab SD**. Optimization of RT-qPCR for Detection of Aichi Virus in Sewage and River Water Samples in Karaj, Iran**. Archives of Iranian Medicine (AIM). 2019 May 1;22(5).

Adineh M, Ghaderi M, **Mousavi-Nasab SD**. Occurrence of salivirus in sewage and river water samples in Karaj, Iran. Food and environmental virology. 2019 Jun 1;11(2):193-7.

Khosravi R, Hosseini SN, Javidanbardan A, Khatami M, Kaghazian H, **Mousavi Nasab SD.** Optimization of non-detergent treatment for enveloped virus inactivation using the Taguchi design of experimental methodology (DOE). Preparative Biochemistry and Biotechnology. 2019 Apr 26:1-9.

Taghinejad M, Ghaderi M, **Mousavi-Nasab SD**. First Molecular Detection of Aichivirus in Pediatric Patients with Acute Gastroenteritis in Iran. Novelty in Biomedicine. 2020 Mar 12;8(1):20-5.

Mousavi-Nasab SD, Sabahi F, Kaghazian H, Paryan M, Mirab Samiee S, Ghaderi M, Zali F, Makvandi M. A Real-Time RT-PCR Assay for Genotyping of Rotavirus. Iranian Biomedical Journal. 2020 Oct 10;24(6):394-9.

Abdorrahim Absalan, Delaram Doroud, Mostafa Salehi-Vaziri, Hooman Kaghazian, Nayeb Ali Ahmadi, Fatemeh Zali, Mohamamd Hassan Pouriavali's, **Seyed Dawood Mousavi-Nasab** ,Computation screening and Molecular Docking of FDA approved viral protease inhibitors as a potential drug against COVID-19 *Gastroenterology and Hepatology from Bed to Bench*, , 20 September 2020.

Seyed Dawood Mousavi Nasab, Rajab Mardani, Hosein Nasr Azadani , Fatemeh Zali, Shahram Sabeti, Ilad Alavi Darazam, Nayeb Ali Ahmadi,Neutrophil to lymphocyte ratio and C-reactive protein level as a prognostic marker in mild versus severe COVID-19 patients, Gastroenterology and Hepatology from Bed to Bench, , 20 September 2020.

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Mardani R, Vasmehjani AA, Zali F, Gholami A, **Nasab SD**, Kaghazian H, Kaviani M, Ahmadi N. Laboratory parameters in detection of COVID-19 patients with positive RT-PCR; a diagnostic accuracy study. Archives of Academic Emergency Medicine. 2020;8(1).

Piroozmand A, Nasab SD, Erami M, Hashemi SM, Khodabakhsh E, Ahmadi N, Vahedpoor Z. Distribution of Human Papillomavirus and Antisperm Antibody in Semen and Its Association with Semen Parameters Among Infertile Men. Journal of Reproduction & Infertility. 2020 Jul;21(3):183.

Hoseini SA, Ghaderi M, Gholami A, Mousavi-Nasab SD, Purnoor P, Firouzjani MH, Majidi Gharenaz N, Asadi A, Fazeli M, Ahmadi N. Tricistronic Plasmid Expressing the T7 RNA Polymerase and Measles Virus N and P Proteins for Rescue of Measles Virus AIK-C Strain. Archives of Pediatric Infectious Diseases.;8(2).

Taghinejad M, Ghaderi M, Mousavi-Nasab SD. Aichivirus With Acute Gastroenteritis in Iran. The Pediatric Infectious Disease Journal. 2020 Jul 1;39(7):576-9.

Mardani R, Alamdary A, Nasab SM, Gholami R, Ahmadi N, Gholami A. Association of vitamin D with the modulation of the disease severity in COVID-19. Virus research. 2020 Nov 1;289:198148.

Shams S, Nasab SD, Heydari H, Tafaroji J, Ahmadi N, Afzali ES. Detection and characterization of rotavirus G and P types from children with acute gastroenteritis in Qom, central Iran. Gastroenterology and Hepatology From Bed to Bench. 2020;13(Suppl1):S128.

Salehi-Vaziri M, Arashkia A, Mostafavi E, Jalali T, Hassan Pouriayevali M, Fazlalipour M, Shoja Z, Rohani M, Esmaeili S, Fotouhi-Chahooki F, Baesi K, Maleki A, Dawood Mousavi Nasab S, Ahmadi Z, Mohammadi T, Azad-nManjiri S, Sadegh Shams Nosrati M, Tavakoli M, Fereydouni Z, Khakifirouz S, Mirab Samiee S, Biglari A, Azadmanesh K. How Iran responded to expanding need for laboratory services for COVID-19? Health Policy Technol. 2021 Jun;10(2):100506. doi: 10.1016/j.hlpt.2021.100506. Epub 2021 Apr 16. PMID: 33880324; PMCID: PMC8049847.

Amiri-Dashatan, N., Rezaei-Tavirani, M., Ranjbar, M.M., Koushki, M., **Nasab, S.D.M.** and Ahmadi, N., Discovery of novel pyruvate kinase inhibitors in Leishmania major among FDA approved drugs through a system biology and molecular docking approach.

Yaghobi TS, Bahrami H, Harzandi N, Asadi A, Shareghi M, Firouzjani MH, Akbari A, Fazeli M, **Mousavi-Nasab SD**, Gharenaz NM, Arjmand R. First Molecular Detection of Saffold Virus in Children with Acute Gastroenteritis in Iran. Novelty in Biomedicine.;9(1):11-6.

Morovvati A , Keyvanfar H* , Zahraei Salehi **, Mousavi Nasab SD** , Zargar M4. Molecular Phylogenetic Analysis of Canine Parvovirus Strains Circulating in Iran. Iranian Journal of Virology. 2021 Dec 10;15(2):40-5.

Amopour Bahnamiry M, Kaghazian H, **Mousavi-Nasab SD**, Aghasadeghi MR, Bahramali G. Engineering and Development of VP4-VP7 Rotavirus Fusion Protein in Pichia pastoris. Vaccine Research. 2020 Dec 10;7(2):101-6.

Khoshbazan S, Evani Z**, Nasab SD**, Ahmadi NA, Parhiz A, Khalesi B, Firouzjani MH, Ghaderi M, Barati M, Ardakani MJ. High Viral Load Detection of Human Cosavirus in Iranian Pediatric Patients with Acute Gastroenteritis. Gastroenterology and Hepatology from Bed to Bench.