

CURRICULUM VITAE

Hadiseh Shokouhi, Researcher, Cellular& Molecular biology, Ph.D.

Influenza and other Respiratory Viruses

Pasteur Institute of Iran, Tehran, Iran.

Phone #: +98 (21)64112127

Fax #: +98 (21)66496517

Cell #: +912-8097165

e-mail: shokohi.hadis@ gmail.com

PRESENT AND PREVIOUS POSITIONS:

2014-2023-present Influenza Research laboratory of Pasteur Institute of Iran

EDUCATIONS:

2017-2023 Ph.D. in Cellular& Molecular biology, University of Tehran, Tehran, Iran

2011-2014 M.Sc. in Microbiology, Islamic Azad Qom University, Iran.

2006-2009 B.Sc. in Microbiology, Karaj University, Iran.

SKILLS AND RESEARCH AREAS:

- 1.Enzyme-linked immunosorbent assay (ELISA)
2. Hemagglutination Adsorption(HA)
3. Hemagglutination Inhibition(HI)
4. Protein and Nucleic acid (DNA and RNA) extraction and purification methods
5. Real Time PCR,PCR
6. Cytokine assay
- 7.Cytokine assay
8. MTT and LDH assay
- 9.Protein-ElectroElution
- 10.Protein extraction from E.coli and Purification
11. Affinity chromatography
12. Gel filtration Chromatography
- 13.Gel electrophoresis

14. SDS-PAGE

15. Western Blotting and ECL

16. Mammalian cell culture and Transfection

17. Virus inoculation

18. TCID₅₀ test

19. VNT Assay

20. Antiviral Assay

21. Apoptosis Assay

Computer Knowledge:

- ✓ Microsoft Office Software (Word, Excel, PowerPoint)
- ✓ Statistics Software: SPSS and GraphPad
- ✓ Reference manager Software: Endnote

Conferences and Seminars:

1. **Hadiseh Shokouhi Targhi**, Mehrbod P, Fatemeh Fotouhi, Mehriar Amininasab (2022) Effect of ascorbate, acetate and citrate anionic compounds on influenza virus cell culture, Abstract presented on the Eighth Iranian Congress of Virology, Iran (Oral)

2. **Hadiseh Shokouhi Targhi**, Mehrbod P, Fatemeh Fotouhi, Mehriar Amininasab (2021) Do ascorbate, acetate, and citrate anionic compounds apply anti-inflammatory properties in influenza infection? Abstract presented on the 4th International Conference on Drug Discovery and Drug Development, UK-Virtual (Oral).

Publication:

1. Neda Feizi, Mehrbod P, Bizhan Romani, Hoorieh Soleimanjahi, Taravat Bamdad, Amir Feizi, Ehsan Ollah Jazaeri, Abbas Jamali, Maryam Saleh, **Hadiseh Shokouhi Targhi**, Fatemeh Fotouhi, Reza Nasrollahi Nargesabad, Asghar Abdoli (2017) Autophagy induction regulates influenza virus replication in a time-dependent manner, *Journal of Medical Microbiology*, 66 (4):536-541

2. Alikhani Mehdi, Behzadian Farida, Mehrbod P, Khosravi Node Fatemeh, **Hadiseh Shokouhi Targhi**, Farahmand Behrokh (2018) Polyclonal antibody against recombinant nucleoprotein of the influenza A virus (H1N1); production and purification, *Iranian Journal of Virology*, 11(2): 36-42.

3. Mehrbod P, Sana Eybpoosh, Fatemeh Fotouhi, **Hadis Shokouhi**, Vahideh Mazaheri, Behrokh Farahmand (2017) Association of IFITM3 rs12252 polymorphisms, BMI, diabetes, and hypercholesterolemia with mild flu in an Iranian population, *Virology Journal*, 14(218):1-8

4. Elahe Nazari, Behrokh Farahmand, Fatemeh Fotouhi, Mehrdad Hashemi, Najme Taheri,1 **Hadis Shokohi**, and Shekoofe Hatami. In Silico Analysis and Expression of Influenza Virus 3M2e-HA2 Chimer Protein Fused to C-Terminal Domain of Leishmania major HSP70. Jundishapur J Microbiol. 2018 August; 11(8): 13777
5. **Hadiseh Shokouhi**, Mohammad Reza Zolfaghari, Behrokh Farahmand, Mansooreh Tabatabaeian, Najmeh Taheri, Fatemeh Fotouhi*. Immunological Assessment of Three Tandem Repeat of Influenza Virus M2 Extracellular Domain with Adjuvant in Balb/c Mice Model, Arak Medical University Journal (AMUJ) 2016; 19(106): 32-43
6. Maleki, Mahnoosh; Hosseini, Seyed Masoud; Farahmand, Behrokh; Saleh, Maryam; **Shokouhi, Hadiseh**; Torabi, Ali; Fotouhi, Fatemeh. Induction of Homosubtypic and Heterosubtypic Immunity to Influenza Viruses Using a Conserved Internal and External Proteins. Current Microbiology Volume 80, Issue 6 June 2023 Article number 212
7. Mehrnaz Forqani, Seyed Masoud Hosseini, Behrokh Farahmand, Maryam Saleh, **Hadiseh Shokouhi**, Ali Torabi & Fatemeh Fotouhi. Combination of conserved recombinant proteins (NP & 3M2e) formulated with Alum protected BALB/c mice against influenza A/PR8/H1N1 virus challenge. Biotechnology Letters. 2021; <https://doi.org/10.1007/s10529-021-03174-2>.
8. **Hadiseh Shokouhi** 1 , Behrokh Farahmand 2 , Amir Ghaemi 3 , Vahideh Mazaheri 4 , Fatemeh Fotouhi 5 Vaccination with three tandem repeats of M2 extracellular domain fused to Leishmania major HSP70 protects mice against influenza A virus challenge.
9. Behrokh Farahmand, Najmeh Taheri, **Hadiseh Shokouhi** · Hoorieh Soleimanjahi, Fatemeh Fotouhi. Chimeric protein consisting of 3M2e and HSP as a universal influenza vaccine candidate: from in silico analysis to preliminary evaluation. Received: Virus Genes (2019) 55:22–32