

CURRICULUM VITAE

• Personal Background:

Name: Ali Teimoori

Date of Birth: 23 Dec, 1982

Sex: Male

Marital Status: Married

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• Current Position:

- Assistant Professor of Medical Virology, Department of Medical Virology, School of Medicine, Hamadan University of Medical Sciences.

• Education:

- **Master Degree:** Medical Virology, Tarbiat Modares University, Tehran, Iran. 2008- 2011.
- **PhD Degree:** Medical Virology, Tarbiat Modares University, Tehran, Iran. 211- 2015.

• Thesis:

- M.Sc. in Medical Virology, Faculty of Medical Science, Tarbiat Modares University Thesis: "Cloning and expression of HPV-16 L1 gene and confirmation of its protein production"
- Ph.D. in Medical virology, Faculty of Medical Science, Tarbiat Modares University, Tehran, Iran. thesis: "Development, Construction and production of new reassortant rotavirus based on reassortment of human and bovine viruses"

• Publication:

https://scholar.google.com/citations?hl=en&user=dA6Z-GMAAAAJ&view_op=list_works&sortby=pubdate

• **Book:**

HIV Infection and Cell Signaling Pathways. *Ali Teimoori, Kazem Baesi, Seyed Younes Hosseini* in: *Frontiers in HIV Research: Current Studies in HIV Research*. Book Chapter 5, 2016, Vol. 2, 56-74 ISBN: [9781681082554](#)

2. Diversity and Global Epidemiology of HIV. *Kazem Baesi, Seyed Younes Hosseini, Ali Teimoori, Mohammad Gholami*. In: *Current Studies in HIV Research*. Chapter 1, 2016, Vol. 2, 3-10 ISBN: [9781681082554](#)

3. HIV and Hepatitis Viruses Co-infection: A Closer View of Their Interactions and Clinical Consequences. *Seyed Younes Hosseini, Katayoun Tayeri, Ali Teimoori, Kazem Baesi*. *Frontiers in HIV Research*. Chapter 9, 2016, Vol. 2, 117-142 ISBN: [9781681082554](#)

• **Presentation:**

Isolation and Amplification of L1 Gene from Paraffin Embedded Tissue Samples.

Teimoori Ali, Soleimanjahi H, Fotohi F, Meshkat Z, khansarinejad B. 2007: Institute of Pasture; Forth of Congress of Virology; Tehran, Iran.

2. Development of In Situ PCR technique for detection of latent HSV-1 DNA in mice trigeminal ganglia. *Behzad khansarinejad, Horiéh soleimanjahi, Amir Ghaemi, Shahram porbeiranvand, Teimoori Ali*. *The 9th Iranian congress of Biochemistry and the 2nd International congress of biochemistry and molecular biology*.

3. The First Study of the Secondary Structure of Hepatitis C Virus F Protein Using Circular Dichroism Spectroscopy. *T Hashemipoor, M. Ajourloo¹, T. Bamdad¹, Sh. Merat², A.A. Teimoori, A. Azizi* 9th Iran Biophysical Chemistry Conference, 24-25 February 2010, Tarbiat Modares University, Tehran, Iran .

4. Construction of a recombinant bacmid containing papillomavirus type 16 L1 gene. *Abdoli, H. soleimanjahi, F. Fotohi chahooki, A. Teimoori, et al.* 18th European Congress of Clinical Microbiology and infectious Disease (ECCMID): 2008.

• **Awards and Honors:**

• Technical Skills

1. Primary and continues cell culture technique
2. Virus culture techniques; concentration, purification, viral plaque assay and plaque purification and CCID50% technique,
3. Immunofluorescence assay for titration of virus (FFA)
4. Using laboratory animal to produce of antibody (rabbit and guinea pig), and make a tumor model in mice
5. Cell cloning and isolation technique (Dilution methods)
Crispr/Cas9 gene knock out and knock-in and HSV-1 DNA manipulation
Gene knockdown by siRNA and siRNA designing
6. Gene cloning of PCR products (directional and TA cloning in any vector)
7. Designing of different kind of plasmids by SnapGene software (professional)
8. PCR, RT-PCR, Real-time PCR and Real-Time array (relative and absolute quantification)
9. Gene expression in prokaryotes, lentiviral and adenoviral vector production and eukaryotes system
10. Transformation and transfection of DNA and RNA in prokaryotic and eukaryotic cells
Western blotting and analysis
11. Enzyme immunosorbent assay (EIA)
12. Protein preparation, precipitation and purification by column chromatography
13. Gel Electrophoresis by SDS-PAGE for confirmation of protein expression
14. RNA virus detection by PAGE
15. Using chicken embryonated eggs for inoculation of virus
16. Bioluminescence technique with luciferase gene product
17. Sample preparation (positive and negative staining) for transmission electron microscopy
18. DNA and RNA extraction from any sample and preparation of plasmid DNA
19. In Situ PCR technique
20. Primer design for viral and cellular (mRNA expression and detection)
21. Flow cytometry sample preparation and data analysis

Research Interest

My current research projects focused on manipulating herpes simplex virus type 1 by CRISPR/Cas9 to construct an oncolytic virus. We knock out some genes of HSV-1 to selective replication in tumor cells e.g. UL39gene or ICP34.5. I have been collaborating with the pasture institute of Iran and private companies to develop adenoviral platforms and inactivated vaccines since the beginning of the COVID-19 pandemic. Pre-clinical study of the Adenoviral vector has been done and clinical trials were stopped by the ministry of health and education of Iran but inactivated vaccine was used in the human population. However, I collaborated on a pre-clinical study of the inactivated vaccine.

- **Participation in Workshops**

- **Membership**

- Member of American society for virology
- Member of Iranian society of virology