



Personal Information

First name:	Elham
Last name:	Mousavi
Birth:	20th August, 1984
Nationality:	Iranian
Degree:	PhD in virology
Married status:	Single

Address Work:

Department of Medical Microbiology & Virology, Kerman University of Medical sciences, Kerman, Iran.

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Current Positions

Assistant Professor, Department of Microbiology and Virology, Faculty of Medicine, Kerman University of Medical Sciences, Kerman, Iran

Academic Education

2010-2017; **PhD in virology**, Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran

2007-2010; **MSc in virology**, Iran University of Medical Sciences, Tehran, Iran

2005-2007; **BSc in laboratory of sciences**, Shahid Sadoughi University of Medical Sciences, Yazd, Iran

2003-2005; **A.S. in laboratory of sciences**, Shahrekord University of Medical Sciences, Shahrekord, Iran

Language skills

Persian

English

Theses

MSc Incidence of Adenoviral conjunctivitis in patients Referred to the Iran University Affiliated Hospitals

Supervisor

Prof. M Shamsi Shahrabadi

PhD Study of inhibitory effect of prevalent species of vaginal Lactobacillus on the Propagation of Herpes simplex type 1&2 in vitro

Dr A.R Samarbaf-zadeh
Prof. M Makvandi

RESEARCH INTERESTS

Oncogenic viruses and cancer

The role of MicroRNAs in human cancer

Cancer stem like cells

TECHNICAL SKILLS

1. Virological Techniques

- Mammalian cell tissue culture
- Isolation & purification of Viruses
- Titration of viruses: Plaque assay, TCID₅₀, FFA,

2. 3D cell cultures

2. IF Assay (immunofluorescence)

3. Flowcytometry :cell isolation, apoptosis, cell cycle analysis

4. Cytotoxicity assays: MTS assay, Colony and Sphere formation assay

5. Molecular Techniques:

- PCR
- RT-PCR
- Real time PCR
- Sequencing
- Transcriptome analysis: RNA seq, small RNA seq

5. Bioinformatics:

- Mega6 software
- Codon Code Aligner
- Gene Runner
- CLC genomics

6. Bacteriological Techniques

- Bacterial culture(especially isolation & identification lactobacilli species)
- Phylogenetic analysis of 16SrDNA sequences of bacteria

7.Statistical skills

SPSS

Meta-analysis (STATA and CMA)

Data mining programs :Rapid Miner

Workshop

Teacher

Transcriptome analysis (RNA Seq, small RNA Seq)

Dr.Esmaeil Ebrahimie
The University of ADELAIDE

Data Mining

Dr.Esmaeil Ebrahimie
The University of ADELAIDE

Publications

Mahdi Abbasian, **Elham Mousavi**, Zahra Arab-Bafrani, Amirhosein Sahebkar (2018). The most reliable surface marker for the identification of colorectal cancer stem-like cells: A systematic review and meta-analysis. *Journal of Cellular Physiology* (In Press)

Mahdi Abbasian, **Elham Mousavi**, Mohsen Khalili, Zahra Arab-Bafrani (2018). Using of keratin substrate for enrichment of HT29 colorectal cancer stem-like cells. *Journal of Biomedical Materials Research*

Elham Mousavi, Manoochehr Makvandi, Ali Teimoori, Angila Ataei, Shokouh Ghafari, Alireza Samarbaf-Zadeh (2017). Antiviral effects of *Lactobacillus crispatus* against HSV-2 in Vero and HeLa cell lines. *JCMA*.

Elham Mousavi , Manoochehr Makvandi , Ali Teimoori, Anglia Ataei, Shokouh Ghafari, Mahin Najafian, Ziba Ourang, Alireza Samarbaf-Zadeh (2016). In vitro adherence of lactobacilli strains isolated from Iranian healthy women's vagina. *JCMA*.

M Shamsi-Shahrabadi, **E Mousavi**, SHR Monavari, A Ataei-Pirkooh , P Bakhtiari (2009). Incidence of Adenoviral Conjunctivitis in Patients Referred to the Iran University Affiliated Hospital. *Iranian Journal of virology*, 3(2)