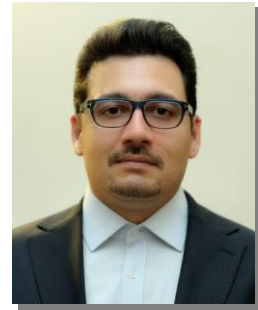


Vahid BANIASADI

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Professional Experience

2015-Present: Head of International Affairs Office, Pasteur Institute of Iran.

2015-Present: Head of Public Relations Office, Pasteur Institute of Iran.

2015-Present: member of Pasteur Institute of Iran team in WHO global outbreak alert and response network (GOARN).

2015-Present: Assistant Professor, Department of Arboviruses & Viral Hemorrhagic Fevers, Pasteur Institute of Iran.

2014-Present: Member of Rapid Response team, Pasteur Institute of Iran.

2012-2014: Postdoctoral Fellow, Department of Virology, Pasteur Institute of Iran.

Education

2006-2011 PhD in Life Sciences - International Centre for Genetic Engineering and Biotechnology (ICGEB), New Delhi, India.

2003-2005 M.Sc. in Biotechnology- All India Institute of Medical Sciences (AIIMS), New Delhi, India.

2000-2003 B.Sc. in Microbiology- University of Delhi, New Delhi, India.

Projects

- 1- Principal investigator in “Whole genome analysis of Crimean-Congo Hemorrhagic Fever virus in Iran” 2017. Supported by Pasteur institute of Iran.
- 2- Co-investigator in “Molecular analysis of West Nile virus infection in Culex spp. mosquitoes collected from Khuzestan province”2017. Supported by Pasteur institute of Iran.
- 3- Co-investigator in “Designing, development and evaluation of a rapid kit for detection of rabies virus in suspected samples” 2017. Supported by Pasteur institute of Iran.
- 4- Co-investigator in “Evaluation of Tick Borne Encephalitis Virus infection in Ixodid ticks from Mazandaran province” 2016. Supported by Pasteur institute of Iran.
- 5- Co-investigator in “Serological analysis for presence of IgG antibody against Tick Borne Encephalitis Virus in villagers of Mazandaran province” 2016. Supported by Pasteur institute of Iran.
- 6- Co-investigator in “Serological analysis for presence of IgG antibody against Hantaviruses in villagers of East-Azarbaijan province” 2016. Supported by Pasteur institute of Iran.

- 7- Principal investigator in “preparation of C.V of Pasteur institute of Iran based on past 10 years information” 2016. Supported by Pasteur institute of Iran.
- 8- Co-investigator in “construction and evaluation of chimeric yeast expressing E7 protein of Human Papilloma Virus 16 as therapeutic vaccine candidate in murine model” 2016. Supported by Pasteur institute of Iran.
- 9- Principal Investigator in “Serological analysis for presence of IgG antibody against Chikungunya virus in serum of Sistan va Balochestan province residents” 2015. Supported by Pasteur institute of Iran.
- 10- Co-investigator in “Serological and molecular analysis of serum from patients with symptoms of Hantavirus infection in Iran” 2015. Supported by Pasteur institute of Iran.
- 11- Co-investigator in “Serological analysis for presence of IgG antibody against West Nile virus in infection in human habitant in Khuzestan province” 2015. Supported by Pasteur institute of Iran.
- 12- Co-investigator in “RNA detection of rabies virus in the brains of animals suspected of having rabies infections using reverse transcription loop-mediated isothermal amplification (LAMP) method compare to reverse transcriptase (RT) polymerase chain reaction (PCR) and direct fluorescent antibody (DFA) as a gold standard method of World Health Organization (WHO)” 2015. Supported by Pasteur institute of Iran.
- 13- Collaboration with Center for Disease Control, Ministry of Health and Medical Education of Iran in preparing “Guideline of EBOLA Surveillance” 2014.
- 14- Collaboration in Establishment biopharmaceutical technologists training program with Directorate of Education and Cultural affairs, Pasteur Institute of Iran (2014).
- 15- Collaboration in starting Rapid response team, Pasteur institute of Iran (2014).
- 16- Co-investigator in “Construction and evaluation of HPV16 L2-HBV core chimeric virus like particles (VLPs) as vaccine candidate for human Papillomavirus” 2014. Supported by Pasteur institute of Iran.
- 17- Co-investigator in “Retargeting of Newcastle disease virus towards breast cancer cell lines by bi-specific antibody” 2014. Supported by Pasteur institute of Iran.

Supervisor & Advisor of M.Sc. Thesis

- Somayeh Javanshir “Serological analysis for presence of IgG antibody against Chikungunya virus in serum of Sistan & Balochestan province residents”. Microbiology M.Sc. thesis, Islamic Azad University, Tehran, Iran; 2018. (Supervisor)
- Sahar Khakifirouz: “Detection and Phylogenetic Analysis of Crimean-Congo Hemorrhagic Fever Virus in Hard Tick Population from Kerman Province of Iran in 2015”. Molecular genetic M.Sc. thesis, Tarbiat Modares University, Tehran, Iran; 2016. (Advisor)

Fellowships and Awards

- 1- Pasteur Institute Fellowship, Vaccinology course, March - April 2011, Paris, France.
- 2- Pasteur Institute Fellowship, Pasteur-Asia Virology course, July 2008, Hong Kong.
- 3- International Centre for Genetic Engineering and Biotechnology (ICGEB) Doctoral Fellowship (2006 - 2010) New Delhi, India.
- 4- The highest marks in pre-evaluation of M.Sc. thesis by the faculty of Department of Biotechnology, All India Institute of Medical Sciences during (2005) New Delhi, India.

Technical Experience

- 1- Genome isolation and molecular analysis(PCR), RT-PCR
- 2- Serological analysis of patient serum by ELISA
- 3- Gene cloning, Protein expression optimization in bacterial (*E. coli*) and yeast (*P. pastoris*) expression systems; Protein purification by affinity chromatography, buffer exchange by dialysis; SDS and Native PAGE, Western blotting and ELISA
- 4- Mammalian cell culture; foreign gene expression by transfection in mammalian cells, *in vitro* transcription and translation (TNT) and immune-precipitation of proteins
- 5- Mice immunization with recombinant antigens, study of IgG and IgM responses

Patents

- **Baniasadi V**, Lal Sk & International Centre for Genetic Engineering and Biotechnology. A novel method to produce Influenza A virus matrix protein M1 Capsid Like Particles (2014). Indian patent application number 91/DEL/2013.

Genes submitted

Genbank Accessions: KU201597, KU201598, KU201599, KT899991, KU060795, KX432283, KX432284, KX432285, KX458017, KX458018, KX458019, KX458020, KX458021, KX458022, KX458023

Publications

- 1- Mehdi Fazlalipour, Behzad Mohsenpour, **Vahid Baniasadi**, Tahmineh Jalali, Tahereh Mohammadi, Sanam Azad-Manjiri, Yasaman Jamshidi, Sara Azizizadeh, Motahareh Hosseini, Sahar Khakifirouz, Mostafa Salehi-Vaziri (2017) A Case Report of Crimean-Congo Hemorrhagic Fever Virus Europe-1 Genotype in the West of Iran. *Iran Red Crescent Med J.* 19 (11):e14217.
- 2- Aslani D, Salehi-Vaziri M, **Baniasadi V**, Jalali T, Azad-Manjiri S, Mohammadi T, Khakifirouz S, Fazlalipour M (2017) Crimean-Congo hemorrhagic fever among children in Iran. *Arch Virol.* 162(3):721-725.
- 3- Mostafa Salehi-Vaziri, Shokrollah Salmanzadeh, **Vahid Baniasadi**, Tahmineh Jalali, Tahereh Mohammadi, Sanam Azad-Manjiri, Yasaman Jamshidi, Sahar Khakifirouz, Mehdi Fazlalipour (2017) An Outbreak of Crimean-Congo Hemorrhagic Fever in the South West of Iran. *Jundishapur J Microbiol.* 10 (1):e41735.
- 4- Mehdi Fazlalipour , **Vahid Baniasadi** , Ali Majidpour , Mohammad Hassan Pouriayevali, Tahmineh Jalali , Tahereh Mohammadi , Sanam Azad-Manjiri , Yasaman Jamshidi , Sara Azizizadeh , Motahareh Hosseini , Sahar Khakifirouz , Mostafa Salehi-Vaziri (2016) A Case of Methotrexate Intoxication Misdiagnosed as Crimean-Congo Hemorrhagic Fever. *J Med Microbiol Infec Dis*, 4 (1-2): 37-38
- 5- Salehi-Vaziri M, Fazlalipour M, **Baniasadi V** (2016) Solving the Mystery of Dengue in Iran; Are We Close to an Answer?. *Iranian Journal of Virology* 10(4); 39-40.
- 6- **Baniasadi V**, Salehi-Vaziri M, Jalali T, Azad-Manjiri S, Mohammadi T, Khakifirouz S, Fazlalipour M (2016) An Imported Case of Dengue Fever in Iran, 2015. *Iranian Journal of Virology* 10(1); 13-19.

- 7- Salehi-Vaziri M, **Baniasadi V**, Jalali T, Mirghiasi SM, Azad-Manjiri S, Zarandi R, Mohammadi T, Khakifirouz S, Fazlalipour M (2016) The first fatal case of Crimean-Congo Hemorrhagic Fever due to AP92 like strain of Crimean-Congo Hemorrhagic Fever virus. *Jpn J Infect Dis.* 69(4) :344–346.
- 8- Fazlalipour M, **Baniasadi V**, Mirghiasi SM, Jalali T, Khakifirouz S, Azad-Manjiri S, Mahmoodi V, Naderi HR, Zarandi R, Salehi-Vaziri M (2016) Crimean-Congo Hemorrhagic Fever due to Consumption of Raw Meat: A Case Reports from East-North of Iran. *Jpn J Infect Dis.* 69(3):270-1.
- 9- Negahdari B, Shahosseini Z, **Baniasadi V** (2016) Production of human epidermal growth factor using adenoviral based system. *Res Pharm Sci* 11(1): 43-48.
- 10- S Chinikar, N Shah-Hosseini, S Khakifirouz, TJ Alali, T Mohammadi, M Mirghiasi, S Azad Monjiri, R Zarandi, E Shams, **V Baniasadi** (2015) Epidemiology of Crimean Congo Hemorrhagic Fever in Iran (year 2014) *Int J Antimicrobial Agents* 45, S113-S113.
- 11- Etemadzadeh MH, Arashkia A, Roohvand F, Ahani R, Mohajel N, **Baniasadi V**, Norouzian D and Azadmanesh K (2015) Expression of a biotin acceptor peptide-containing protein with potential incorporation on the lentiviral envelope as a viral surface engineering platform. *Res Pharm Sci* 10(4): 268-274.
- 12- **Baniasadi V**, Lal Sk (2014) A novel method to produce Influenza A virus matrix protein M1 Capsid Like Particles. *J Virol Methods* 205: 1-2.
- 13- **Baniasadi V**, Kumar P, Lal SK (2011) Influenza vaccines and antivirals – current update. *Int J of Biotechnol Biosci* 1: 389-399.
- 14- **Baniasadi V**, Das SN (2008) No evidence for association of PTPN22 R620W functional variant C1858T with type 1 diabetes in Asian Indians. *J Cell Mol Med* 12:1061-1062.
- 15- Das SN, **Baniasadi V**, Kapuria V (2006) Association of –308 TNF- α Promoter Polymorphism with Type 1 diabetes in North Indians. *Int J Immunogenet* 33: 411-416.
- 16- **Baniasadi V**, Narain N, Goswami R, Das SN (2006) Promoter region –318 C/T and –1661 A/G CTLA-4 Single nucleotide polymorphisms and type 1 diabetes in North Indians. *Tissue Antigens* 67: 383-389.

Workshops and conferences

- 1- Executive Secretary of “Workshop on Surveillance and Control of Rabies” (October 8-19, 2017) Pasteur Institute of Iran, Amol, Iran.
- 2- GOARN Outbreak Response Training, (October 01-06, 2017), WHO, Antipolo, Philippines.
- 3- Representing Pasteur institute of iran in “Indo-iran workshop to Develop collaboration in Biotechnology” (August 3-4, 2017), ICGEB, New Delhi, India.
- 4- PDC Workshop on "New and Innovative Approaches to Laboratory Diagnosis of Zika, Dengue and other Arboviruses" (May 2-4, 2017), Merieux foundation, Les Pensières conference center, Veyrier-du-Lac, France.
- 5- Executive Secretary of “MATI Regional meeting of The Institut Pasteur International Network” Research & Development Towards Public Health, Facing Great Challenges (November 7-9, 2016), Tehran, Iran.
- 6- 8th Annual GABRIEL Research Network Meeting (July 5-8, 2016), Vientiane, Laos.
- 7- Training on “Lateral Flow Immuno-Chromatographic Assay Development, Industrialization and Production under ISO 13495, on pathogens whose diagnosis is neglected (March 14- May13, 2016), Merieux foundation, Lyon, France.

- 8- Mechanisms behind chronic infections (TB, HBV, HIV.): molecular and cellular mechanisms, evasion mechanisms, immunity... conference (May 2-4, 2016), Merieux foundation, Les Pensières conference center, Veyrier-du-Lac, France.
- 9- International ZIKA Summit of Institut Pasteur (April 25-26, 2016), Paris, France.
- 10- PREPAREing for (Re-)Emerging Arbovirus Infections in Europe, ESCMID postgraduate Education course (March 7-9, 2016), Thessaloniki, Greece.
- 11- Executive manager of “workshop on validation” Self-Reliance in vaccine production of Islamic countries organized by Pasteur institute of Iran & organization of Islamic corporation (October 19-22, 2015), Tehran, Iran.
- 12- International Scientific Symposium of the Institut Pasteur International Network “Paving the way for research on Global Health and One Health” (October 14-16, 2015), Paris, France.
- 13- Poster presented at 7th International Congress of Laboratory and Clinic and 1st Conference of Clinical Virology (February 12-14, 2015), Tehran, Iran. Baniasadi V, Kazemimanes M, Arashkia A and Azadmanesh K “Necessity of laboratory testing facility in Ebola virus isolation unit”.
- 14- 1st International World Rabies Day seminar (October 14-16, 2014), Tehran, Iran.
- 15- 11th HKU-Pasteur Virology course ‘Emerging Viral Zoonoses’, (July 13-25, 2014), HKU-Pasteur Research Centre, Hong Kong.
- 16- Pasteur Institute Vaccinology Course (March 1st– April 1st, 2011), Paris, France.
- 17- Poster presented at ICGB-IUBMB workshop ‘Human RNA Viruses’ (February 10-12, 2010), New Delhi, India. Baniasadi V and Lal SK “Studies on gene expression systems for the production of virus like particles (VLPs) of the bird flu Virus H5N1”.
- 18- International symposium ‘Area of Excellence on Influenza: Setting a research agenda for confronting pandemic and inter-pandemic influenza- Identifying key gaps in knowledge’ (July 22, 2008), Hong Kong.
- 19- 5th Pasteur-Asia Virology course ‘Virus and Cancer; Influenza’, (July 7-25, 2008), HKU-Pasteur Research Centre, Hong Kong.
- 20- Poster presented at International symposium on ‘Avian Influenza: Epidemiology, Basic and Applied Research’ (October 29-31, 2007), New Delhi, India. Baniasadi v and Lal SK “Studies on different approaches to H5N1 vaccines”.