

Fateme Motevalli

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Personal Information

Graduated **MSc Genetics**
in:

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Birth Date: **12 ,Sep,1968**

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Status:

Education

Academic qualifications:

2003 to 2005: M.Sc Student. in Genetic,Islamic Azad University(Science and Research Department), Tehran, Iran.

1994 to 1998: B.Sc. in Biology ,Tarbiat Moalem University, Tehran, Iran.

1987 to 1989: A.Sc. in Clinical Laboratory,BoAlisina University,Hamedan,Iran

Short papers published as Congress Proceedings:

- 1-M Ghazanfari, F. Motevali, F. Roohvand, S. Salmanzadeh-Ahrabi, Dr. M Zali. A comparative study for identification and genotyping of Adenoviruses by three molecular methods based on Hexon ,AV-RNA and Fiber genes. The 4th National Biotechnology Congress in Iran,Kerman,Aug 2005**
- 2-F Motevali, Dr. F Rohvand, M Ghazanfari, S. Salmanzadeh-Ahrabi, F. Jafari, Dr. M Zali, Prevalence and typing of adenoviruses in stool of Iranian children with acute diarrhea-A comparative study by molecular and serological assays.16th EuropeanCongress of Clinical Microbiology and Infectious Diseases (ECCMID)01.04.2006 - 04.04.2006**
- 3-M.Sadat, MR Aghasadeghi, G.Bahramali, F.Motevali, A. Budkowska and F.Roohvand: Production of native recombinant HCV core protein for diagnostic and therapeutic (vaccine) applications . P70, Research on infectious diseases: A Global Challenge, Institut Pasteur, Paris , France . 2008.**
- 4-MR Aghasadeghi, M Sadat, G.Bahramali, F.Motevalli, A.Budkowska and F.Roohvand: Evaluation of humoral and cellular responses to combination of different human compatible adjuvants and HCV core protein in immunized mice. P2, Research on infectious diseases: A Global Challenge, Institut Pasteur, Paris , France, 2008.**
- 5-Ahmad Farahani Far, Mohammad Reza Aghasadeghi, Golnaz Bahramali, Seyed Mehdi Sadat, Seyed Davar Siadat, Foozieh Javadi, Farzin Roohvand, Safieh Amini, Sohila Hekmat, Arash Memarnejadian, Fatemeh Motevalli, Mahsa Jolaei,HBV Genotypes and Subtypes in Iranian HBV infected patients with and without HIV infection.,The 3rdeurasia congress of infectious diseases, 1-4 October 2009**
- 6-Atieh Hashemi, Fateme Motevalli, Hassan noorbazargan, Arash Memarnejadian, Mohammadreza Agha Sadeghi, Farzin Roohvand,. Expression studies of native and truncated HCV core protein in mammalian cells. 11th Iranian Microbiology Congress & 1st Mediterranean Microbiology Congress . May 11-13 ,2010,Gilan**

- 7-Seyed Ata Sadat Shandiz, Maryam Yazdanian, Mohammadreza Agha Sadeghi, Hossein Khanahmad, Arash Memarnejadian, Fateme Motevalli, Tayebe Sohrabi, Farzin Roohvand. Construction of recombinant BCG-HCV polytope candidate vaccine. 11th Iranian Microbiology Congress & 1st Mediterranean Microbiology Congress . May 11-13 ,2010,Gilan**
- 8-Hassan noorbazargan, Atieh Hashemi, Fateme Motevalli, Arash Memarnejadian, Mohammadreza Agha Sadeghi, Farzin Roohvand.Expression of truncated HCV core+1 protein in Heparic mammalian cells. 11th Iranian Microbiology Congress & 1st Mediterranean Microbiology Congress . May 11-13 ,2010,Gilan**
- 9-Malihe Keramati, Mohammad Mahdi Aslani, Mohammad Reza Agha Sadeghi, Fateme Motevalli, Arash Memarnejadian, Amir Mirzaie, Farzin Roohvand. Cloning Expression and Characterization of Streptokinase gene from a group G streptococcus in E.Coli. 11th Iranian Microbiology Congress & 1st Mediterranean Microbiology Congress . May 11-13 ,2010,Gilan**
- 10- Fatemeh Motevalli, Mohammad Reza Aghasadeghi, Arash Memarnejadian, Seyed Mehdi Sadat, Golnaz Bahramali, Shahadeh Alizadeh, Farzin Roohvand , Comparative studies on mice immunization with HCV minimal-CTL epitopic peptides by mixed or polytope formulations. 10th Immunology & Allergy International Congress of Iran. May 18-20,2010,Tehran**
- 11- Arash Memarnejadian, Seyed Mehdi Sadat, Mohammad Reza Aghasadeghi, Fatemeh Motevalli, Golnaz Bahramali, Farzin Roohvand, Studies on Immune-dominancy of HCV-CTL epitopes by peptide immunization in BALB/c Mice. 10th International Immunology & Allergy Congress of Iran. May 18-20,2010,Tehran**
- 12- Fahime Baghbani Arani, Mohammad Reza Aghasadeghi, Mehdi Sadat, Fatemeh Motevalli, Arash Memarnejadian and Farzin Roohvand, Comparison of different adjuvants for the induction of humoral response against HCV ARFP/F synthetic peptides, in BALB/c mice, 10th International Immunology & Allergy Congress of Iran. May 18-20,2010,Tehran**
- 13- Mehdi Sadat, Fahimeh baghbani-arani , Mohammad Reza Aghasadeghi, Fatemeh Motevalli, Arash Memarnejadian and Farzin Roohvand , Studying the capacity of HCV ARFP/F peptides to induce humoral immune responses in BALB/c mice 10th International Immunology & Allergy Congress of Iran. May 18-20,2010,Tehran**
- 14- Atieh Hashemi, Arash Memarnejadian, Fatemeh Motevali, Rozita Edalat, Rouhollah Vahhab poor,Hassan Noorbazargan, Farzin Roohvand, Mohammadhossein Ghahremani, Differential expression of Interferon Regulatory Factor 1 by native and truncated HCV core proteins.10th International Immunology & Allergy Congress of Iran. May 18-20,2010,Tehran**

- 15- Seyed Ata Sadat Shandiz, Maryam Yazdanian, Mohammadreza Agha Sadeghi, Hossein Khanahmad, Arash Memarnejadian, Fateme Motevalli, Tayebe Sohrabi, Farzin Roohvand. Design and Construction of a polytope HCV vaccine candidate plasmid for expression in BCG.11th Iranian Genetic Congress, May 22-24, 2010, Tehran
- 16- Fahimeh Baghbani Arani, Fatemeh Motevalli, Mohammad Reza Aghasadeghi, Mehdi Sadat, Arash Memarnejadian, akram Eidi, Safiye Amini and Farzin Roohvand, Cloning, expression optimizing and characterization of HCV ARFP/F protein, 11th Iranian Genetic Congress, May 22-24, 2010, Tehran
- 17- Atiye Hashemi, Fatemeh Motevalli, Arash Memarnejadian, Mohammad Reza Aghasadeghi, Hassan noorbazargan, Mohammadhossein Ghahremani, Farzin Roohvand, Expression Analysis of Different Core Protein Domains in Hepatics, 11th Iranian Genetic Congress, May 22-24, 2010, Tehran
- 18- Hassan noorbazargan, Atiye Hashemi, Fatemeh Motevalli, Arash Memarnejadian, Mohammad Reza Aghasadeghi, Farzin Roohvand, Expression Analysis of ARFP proteins of HCV in Hepatic Cell, 11th Iranian Genetic Congress, May 22-24, 2010, Tehran
- 19- Maliheh keramati, Mohammad Mehdi Aslani, Amir. Mirzaie, Arash Memarnejadian, Fateme Motavalli, Mohamad Reza Aghasadeghi, Farzin Roohvand. Structural diversity of streptokinase and plasminogen activation activity. 12th Iranian Pharmaceutical science congress, Aug 2-5, 2010, Zanjan
- 20- Seyed Ata Sadat Shandiz, Maryam Yazdanian, Mohammad-Reza Aghasadeghi, hossein khanahmad, Arash memarnejadian, Fatemeh Motevali, Tayebe Sohrabi and Farzin Roohvand. Construction of recombinant BCG - HCV polytope candidate vaccine. Iranian Microbiology Congress & 1st East Mediterranean Microbiology Congress Guilan University of Medical Science – IRAN 10-13 May 2010.
- 21- Maliheh keramati, Arash Memarnejadian, Mohammad Mehdi Aslani, Mohammad Reza Aghasadeghi, Fateme Motevalli, Amir. Mirzaie, Farzin Roohvand, Comparison of three refolding methods for purified recombinant streptokinase. 3th Iranian Proteomics Congress, May 26-27, 2010, Tehran
- 22- Fateme Motevalli, Mehdi Sadat, Arash Memarnejadian, Golnaz Bahramali, shahade Alizade, Mohammad Reza Aghasadeghi, Farzin Roohvand. Immune-dominancy of HCV-CTL epitopes on each other is less profound in Immunization by a single polytopic-peptide vaccine than mixture of the minimal-CD8+ peptides. 17th International Meeting on Hepatitis C Virus and Related Viruses
- 23- F. Baghbani-arani; F. Roohvand (corresponding Author); M.R. Aghasadeghi, S.Amini, F. Motevalli, S.M. Sadat, A. Memarnejadian. *E.coli*-generated recombinant HCV core +1 (ARFP) Protein: A

potentially valuable diagnostic and immunotherapeutic tool. 14TH ANNUAL MEETING OF THE EUROPEAN SOCIETY FOR CLINICAL VIROLOGY. 22-25 Sept. 2011, Maderia, Portugal

Refereed Publications:

1. F. Roohvand, F. Motevali, M. Ghazanfari, S. Salmanzadeh-Ahrabi, F. Jafari, M. Zali, Prevalence and typing of adenoviruses in stool of Iranian children with acute diarrhoea: a comparative study by molecular and serological assays, *Clinical Microbiology & Infection*, 2006, 12 (s4), P527. (Corresponding Author)
2. F. Motevali, M. Ghazanfari, M. Zali, F. Roohvand: PCR-based diagnosis of Enteric adenoviruses in Clinic. *J. of Laboratory Diagnosis*. (ISSN 1561-6363), 2006, No.43, p: 16-23, (WWW.TASHKHIS.COM) (in Persian with English abstract). (Corresponding Author)
3. Arash Memarnejadian, Farzin Roohvand *, Fatemeh Motevalli and Mohammad reza Aghasadeghi : Designing & producing polytope DNA vaccine containing HBsAg gene for the induction of protective immunity against hepatitis C. *Feyz* ,Volume 13, Number 3 (Quarterly 2009)
4. Mohammad Reza Aghasadeghi, Sayyed Mahdi Sadat, Golnaz Bahramali, Soheila Hekmat, Fatemeh Motevali, Shahadeh Alizadeh, Somayeh Kadkhodaeian, Farzin Rouhvand, Evaluating novel adjuvant systems for the induction of humeral and cellular immune responses in hepatitis C virus capsid protein immunization. *Feyz* ,Volume 14, Number 1 (Quarterly 2010)
5. Reza Arabi, Farzin Roohvand, Daryoush Norouzian, Soroush Sardari, Mohammad Reza Aghasadeghi, Hosein Khanahmad, Arash Memarnejadian, Fateme Motevalli. A comparative study on the activity and antigenicity of truncated and full-length forms of streptokinase. *Pol. J. Microbiol.* 2011, 60: 3, 243–251.
6. F. Baghbani-arani, F. Roohvand , M.R. Aghasadeghi, A.Eidi, S.Amini, F. Motevalli, S.M. Sadat, A. Memarnejadian, G. Khalili. Expression and Characterization of E.coli-Derived Hepatitis C Virus ARFP/F Protein. *Mol. Biol. Rus* ,2012, 46(2)1-9.
7. F. Baghbani-arani, F. Roohvand , M.R. Aghasadeghi, S.M. Sadat, F. Motevalli, A. Memarnejadian, S.Amini. Study the Capacity of Recombinant HCV core+1 Protein to Induce Immune Responses in Combination with Different Adjuvants. *J Army Univ Med Sci.* 2012 Mar; 10(1):1-9
8. Fatemeh Motevalli, Arash Memarnejadian, Seyed Mehdi Sadat, Golnaz Bahramali, Farzin Roohvand: Comparison of immunogenicity of CD8 HCV epitopes as single epitope, mixture of epitopes and polytope peptide. *Modares Journal of Medical Sciences: Pathobiology.* 2012, Manuscript #1260-MJMS

Advanced courses taken during M.Sc.

Genetic Engineering, Cloning, Cytogenesis, Molecular Genetics, population Genetics , Immunogenetics, Cancer Genetics.

Professional Position

2004 to 2005 :Research Center for Gastroenterology and Liver Diseases Shahid Beheshti University of Medical Science.

2006 to date: Lab Technologist in Hepatitis and AIDS Dept and National Recombinant Gene Bank, Pasteur Institute of Iran, Tehran, Iran.

Professional Experience:

- 1. Familiar with different techniques of DNA-technology (DNA extraction methods, Cloning, PCR, PCR-RFLP, Nested- PCR, Blotting techniques, Restriction Analysis, Electroporation, etc.).**
- 2. Familiar with different Biochemical and Microbiological techniques (Bacterial and Yeast culture, Transformation , Electrophoresis, Chromatography, Recombinant Protein Purification, Western Blotting, Protein Purification in Yeast, SDS-PAGE, Yeast cell culture and expression systems, etc.).**
- 3. Bioinformatics: Sequence analysis, Gene Runner, peptid analysis,**
- 4. Familiar with different Immunological (ELISA , Laboratory animals research).**
- 5. Mammalian Cell Culture and Transformation**

Thesis:

Master thesis : Molecular identification, subgenus determination and typing of adenoviruses in stool samples of Iranian children, by PCR-based methods

Running Projects::