

Curriculum Vita Negar Seyed



Individual information:

First name: Negar

Surname: Seyed

Birth place: Tehran, Iran

Address:

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Education

B.Sc (1998) Cellular and Molecular Biology, Faculty of Science, Tehran University, Tehran, Iran

M.Sc (2002) Medical Immunology, Faculty of medicine, ShahidBeheshti Medical School, Tehran, Iran

Ph.D (2012) Medical Biotechnology, Pasteur Institute of Iran, Tehran, Iran

Experiences

Research assistant of Cellular and Molecular Research Center, Faculty of medicine, Shahid Beheshti Medical School .2002 _ 2006

Sabbatical opportunity: Besancon France, UMR 1098, Sep 2011-May 2012

Position

Assistant professor at Pasteur Institute of Iran, Immunology and Vaccine research Dept. Jan 2013 onward

Area of Expertise

Computational Vaccinology and Peptide Vaccine Research in *Leishmania*

Publications

1. Saadat, H. Pakzad, P. Seyed, N. "Assesment of Anti-Streptokinase Antibody in Patients with Heart Diseases and Normal Subjects". Iranian Journal of Immunology, 2004, Vol. 1, No. 1: 63-70.
2. Kazemi, B. Fallahian, F. Seyed N. "Molecular cloning of the streptokinase mutant gene".Pakistianian Journal of Biological Sciences, 2006, Vol. 9, No.3: 546-8.
3. Kazemi, B. Yasaei, F. Bandehpour, M. Seyed N. "Diagnosis of *Trichomonas Vaginalis* Infection by Urine PCR Analysis Compared to wet mount Microscopic Screening". Journal of Medical Sciences, 2004, Vol. 4, No. 3:206 – 9.
- 4.M. Bandehpour, N. Seyed, M. Shadnoush, P. Pakzad, B. Kazemi,"Using recombinant *Chlamydia Major Outer Membrane Protein (MOMP)* in ELISA diagnostic Kit" ,Iranian Journal of Biotechnology, 2006, Vol. 4, No. 4: 239-244.
- 5-B. Kazemi, N. Seyed, P. Shekari, M. Bandehpour, Z. Sharifnia, K. Parivar . "Production of mutant recombinant streptokinase protein".Archives of Clinical Infectious Diseases, 2008.3 (4).179-183.
6. B. Kazemi, N. seyed, M. Bandehpour, P. pakzad, "Cloning, Expression, and purification of Truncated *Chlamydia Trachomatis* Outer membrane Protein 2 (*Omp2*) and its application in an ELISA assay", Iranian J. Immunology. Sep 2008, 5(3), 148-155.
7. B. Kazemi, N. Seyed, E. Moslemi, M. Bandehpour, M. BikhofTorbaty, N. Saadat, A. Eidi, E.Ghayoor, F. Azizi, "Insulin receptor gene mutations in Iranian patients with type II Diabetes Mellitus", Iranian Biomedical Journal, July 2009,13 (3): 161-168.
8. A. Bolhassani; E. Gholami; F. Zahedifard; N. Moradin; P. Parsi; F. Doustdari; N. Seyed; B. Papadopoulou; S. Rafati. "Leishmania major: Protective capacity of DNA vaccine using amastin fused to HSV-1 VP22 and EGFP in BALB/c mice model". Experimental parasitology 2011; 128(1):9-17.
9. A. Bolhassani, T. Taheri, Y. Taslimi, S. Zamanilui, F. Zahedifard, N. Seyed, F. Torkashvand, B. Vaziri, S. Rafati. "Fluorescent Leishmania species: development of stable GFP expression and its application for in vitro and in vivo studies".ExpParasitol. 2011 Mar; 127(3):637-45.
10. N. Seyed, F. Zahedifard, Sh. Safaiyan, E. Gholami, F. Doustdari, K. Azadmanesh, M. Mirzaei, N.SaeediEslami, A. KhademSadegh, A. Eslamifar, I. Sharifi, S. Rafati. "In Silico Analysis of Six Known Leishmania major Antigens and In Vitro Evaluation of Specific Epitopes Eliciting HLA-A2 Restricted CD8 T Cell Response".PLoS NTD. 2011. 5(9):e1295
11. M. Salehi, A. Bolhassani, T. Taheri, E. Mohit, N. Seyed, F. Zahedifard, Y. Taslimi, M. Sattari and S. Rafati. "Construction of a recombinant Leishmania tarentolae expressing human papillomavirus type 16 E7 gene and evaluation of its immunogenicity in C57BL/6 mice model".Clin Biochem.2011. 44(13):S74
12. M. Bandehpour, Z. Sharifnia, N. Mohajeri, M. Taherkhani, N. Seyed, A. Koochaki, F.Yarian, R. Shirvani, P.Pakzad, H. Saadat, B. Kazemi. "Comparative study of the reactivity of natural and mutated streptokinase with total anti-streptokinase Abs in human sera".Blood Coagulation and Fibrinolysis. Blood Coagulation & Fibrinolysis: 2012 - 23 (8): 734–738.

13. N. Seyed, T. Taheri, C. Vauchy, M. Dosset, Y. Godet, A. Eslamifar, I. Sharifi, O. Adotevi, C. Borg, P. S Rohrllich, S. Rafati. "Immunogenicity Evaluation of a Rationally Designed Polytope Construct Encoding HLA-A*0201 Restricted Epitopes Derived from *Leishmania major* Related Proteins in HLA-A2/DR1 Transgenic Mice: Steps Toward Polytope Vaccine." PLoS ONE 9(10): e108848.
14. N. Seyed, T. Taheri, C. Vauchy, M. Dosset, I. Sharifi, P. S. Rohrllich, S. Rafati. "Rationally designed DNA construct encoding MHC class I restricted epitopes derived from *Leishmania major* proteins successfully provokes Cytotoxic CD8 T cell responses in Balb/c mice". Front. Immunol. Conference abstract: 15th international congress of immunology. Doi: 10.3389/conf.fimmu.2013.02.00987
15. T. Taheri, H. Saberi, N. Seyed, F. Doustdari, M.H. Etemadzadeh, F. Torkashvand, S. Rafati. "Generation of stable *L. major*^{EGFP-LUC} and simultaneous comparison between EGFP and Luciferase activity". Experimental Parasitology, 150:44-55.
16. T Taheri, E Gholami, F Saatchi, N Seyed, Y. Taslimi, S Rafati, "Expression comparison between episomal and stable transfection of a selected tri-fusion protein in *Leishmania tarentolae*", Vaccine research, 2014, 1(1):1-9.

Scientific Curriculum

1. Attending 4th World Congress on Leishmaniasis, Worlleish4, 3-7 Feb 2009, Lakno, India
2. Poster presentation at 14th International Congress of Immunology, Aug 2010, Kobe, Japan.
3. Attending Scientific Meeting of the Young researchers of RIIP Paris, November 10, 2011.
4. Oral presentation at 5th World Congress on Leishmaniasis, Worlleish5, 13-17 May 2013, Porto de Galinhas, Brazil.
5. Oral presentation at Annual Scientific Meeting of researchers of RIIP Paris, Sep10-13, 2014.
6. Attending EMBO conference "Microbiology after Genomics revolution" (Genome 2014) Pasteur Institute of Paris, June 24-27, 2014.
7. Teaching courses and workshops on Reverse vaccinology and Immunoinformatics at Pasteur Institute of Iran, since 2012.
8. Workshop holding on "Immunoinformatics and vaccine design", 12th International Congress of Immunology and Allergy, April 29-May2, 2014.
9. Attending theoretical and practical training course in "Metabolomics and it's data analysis in Systems Biology", Pasteur Institute of Iran, 3-4 January 2015.

Technical and computational knowledge

- Cell culture
- Flow cytometry
- Immunoassays including cytotoxicity assays, ELISpot, ICCS, CFSE
- Immunoinformatics