



## Curriculum Vitae

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**Nationality:** Iranian

**Date of Birth:** 1959

**Marital Status:** Married

**Position:** Research Associate scientific board of Pasteur institute of IRAN.

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**Education:**

*PhD Medical Biotechnology of institute of IRAN*

*M.Sc. Clinical immunology: Tehran University of Medical Sciences (1991)*

*B.Sc Clinical Laboratory Science: Tabriz University of Medical Sciences (1986)*

## **History of Work:**

1. (1996-present) worked at Immunology Department of Pasteur institute of Iran as researcher performing, HLA typing, immunochemistry and immunoassay and cytokine and NK cell study. And optimization commercial immunoassay diagnostic kits especially EIA.
2. (1992-1995) education of immunology in Medical Science of Tehran University and working in Clinical Laboratory of Mehrin in Tehran.
3. (1989-1991) teaching in serology and immunology and biochemistry for students in Medical Science Faculty of Sanandaj University.
4. (1986-1989) worked at clinical laboratory of Emam Khomini Hospital in Kurdistan (Sagez) as a laboratory assistant performing all serology tests and biochemistry and Hematology and Parasitology tests.
5. Designing and production of immunodiagnosis kit infection and hormones.
6. designing and production of Dry blood spot kits for infection diseases.
7. production of biological products.

## **Work Experience:**

### *Main field in vitro Diagnostic kit production*

- ✚ Worked in optimization and production of immunoassay diagnostic kits for clinical laboratories. (Infection diseases ,hormones and hematology testes).
- ✚ Worked in immunology of leishmania in immunology Department of Institute Pasteur of Iran.
- ✚ Quality control of diagnostic kits.

✚ Worked in clinical laboratory in SageZ and Tehran in serology , hematology and parassitology and biochemistry.

✚ Immunology of HIV.

✚ Immunology of leishmania infection.

✚ Cell culture

✚ Cell purification

✚ Cellular immunology

✚ Formulation stabilizer for diagnostic Kits with especial patents.

### ***Production:***

**Since 1998 till 2015 products: All of this products confirmed with Reference laboratory of Iran.**

1- HIV1, 2 Recombinant Commercial ELISA Kits.

2- Fasciola Hepatica Comercial ELISA Kits.

3- H. pylori Comercial ELISA Kits.

4- Hydatid Cysts Elisa Commercial Kits.

5- HSV1, 2 Commercial ELISA Kits.

6- CMV Commercial ELISA Kits .

7- Trepanoma Commercial ELISA kits.

8- Anti HCV Commercial ELISA kits.

9- Toxoplasma Commercial ELISA kits.

10-Anti HBc IgG ELISA kits.

11-Production of Anti HLA Serums.

12-HTLV1,2.

13- Dry Blood Spot kit for diagnosis of Hydatid cyst Antibody.

14-Dry Blood Spot kit for diagnosis of .leishmaniasis Antibody by using Rec K39 Protein.

15-one step Ready to use TMB for Western Blotting.

- 16-Ready to use one step TMB for ELISA with 2 year expiration.
- 17-New non Protein Stabilizer for HRP conjugated antibody.
- 18-Ready to use ELISA Kits for all cytokine with long time expire date (ongoing project).
- 19-Liquid based cytology for cytology diagnostic cervical cancer.
- 20- production of Ready to use and commercial DAB for wetern blotting and IHC

## **Patents:**

**Stabilizer for HRP conjugate antibody Ready to use.**

**Stabilizer for immunoassay medium (plate, tub etc....**

**Stabilizer for all immunoassay chromogen substrate**

**Standard stabilizer for hormone Calibrators and peptide immunoassay**

**Ready to use Chromogen and Substrate for Western blotting and DNA Analysis with TMB.**

**Ready to use DAB substrate**

**Super blocker for immunoassay procedures**

**Foreign language:** (English)

**Publications:**

1- **G. Khalili**, F. Partovi, S. Ajdary Immunodiagnosis of Human Fascioliasis by Elisa Using Excretory–Secretory Products as Antigen . [Iranian Journal of Medical Sciences, 2002\(Issue 3\)](#)

2- Hamidpour M, **Khalili G**, Tajic N, Shamsian BB, Hamidpour R. Comparative of three methods (ELIZA, MAIPA and flow cytometry) to determine anti-platelet antibody in children with ITP. Am J Blood Res. 2014 Dec 15;4(2):86-92. eCollection 2014.

3- Faramarz Dobakhti<sup>1</sup>, Ghader Khalili<sup>2</sup>, Hamid Mahmoudzadeh Niknam<sup>2</sup>, Vahid Khaze<sup>2</sup>, Fatemeh Partovi<sup>3</sup>, Taraneh Naghibi Mahmoodabadi<sup>4</sup>, Shahriar Aalinejad<sup>5</sup> . Role of imiquimod as adjuvant for vaccination against Leishmania major infection in BALB/c mice . J Med Microbiol Infec Dis 2013, 1(1): 27-35.

4- Irina A. Nikolaeva\*, Fereidoun Mahboudi\* Alexander Chevalier, Ghader Khalili, Alireza Khadem, Igor G. Sidorovich Evaluation of a New Anti-HIV1/2 ELISA-HIV 1/2 REC Diagnostic Kit Based on E. coli Derived Soluble Recombinant Proteins: Experience of an International Study. *IJMS* Vol 28, No.1, March 2003.

5- Mahmoudzadeh-Niknam H, **Khalili G**, Abrishami F, Najafy A, Khaze V. The route of Leishmania tropica infection determines disease outcome and protection against Leishmania major in BALB/c mice. Korean J Parasitol. 2013 Feb;51(1):69-74. doi: 10.3347/kjp.2013.51.1.69. Epub 2013 Feb 18.

6-Expression and characterization of Escherichia coli derived hepatitis C virus ARFP/F protein.

Baghbani-arani F, Roohvand F, Aghasadeghi MR, Eidi A, Amini S, Motevalli F, Sadat SM, Memarnejadian A, **Khalili G**. Mol Biol (Mosk). 2012 Mar-Apr;46(2):251-9.

7- Heidarpour M, Ennaifer E, Ahari H, Srairi-Abid N, Borchani L, **Khalili G**, Amini H, Anvar AA, Boubaker S, El-Ayeb M, Shahbazzadeh D Histopathological changes induced by Hemiscorpius lepturus scorpion venom in mice. Toxicon. 2012 Mar 1;59(3):373-8. doi: 10.1016/j.toxicon.2011.12.011. Epub 2011 Dec 31.

8-Expression and Single-step Purification of GRA8 Antigen of Toxoplasma gondii in Escherichia coli. Babaie J, Miri M, Sadeghiani G, Zare M, **Khalili G**, Golkar M. Avicenna J Med Biotechnol. 2011 Apr;3(2):67-77.

9- **Khalili G**, Dobakhti F, Mahmoudzadeh-Niknam H, Khaze V, Partovi F Immunotherapy with Imiquimod increases the efficacy of Glucantime therapy of Leishmania major infection.

Iran J Immunol. 2011 Mar;8(1):45-51. doi: IJlv8i1A6.

10- Mohammadi M, Talebkhan Y, **Khalili G**, Mahboudi F, Massarrat S, Zamaninia L, Oghalaei A Advantage of using a home-made ELISA kit for detection of Helicobacter

pylori infection over commercially imported kits.. Indian J Med Microbiol. 2008 Apr-Jun;26(2):127-31.

11- Golkar M, Azadmanesh K, **Khalili G**, Khoshkholgh-Sima B, Babaie J, Mercier C, BrenierPinchart MP, Fricker-Hidalgo H, Pelloux H, Cesbron-Delauw MF Serodiagnosis of recently acquired Toxoplasma gondii infection in pregnant women using enzyme-linked immunosorbent assays with a recombinant dense granule GRA6 protein.. Diagn Microbiol Infect Dis. 2008 May;61(1):31-9. doi: 10.1016/j.diagmicrobio.2007.09.003. Epub 2008 Jan 31.

12- Mahmoudzadeh-Niknam H, **Khalili G**, Fadavi P Allelic distribution of human leukocyte antigen in Iranian patients with pulmonary tuberculosis.. Hum Immunol. 2003 Jan;64(1):124-9.

13-Mohammad Arjmand, Azadeh Madrakian, **Ghader Khalili**, Ali Najafi Dastnaee, Ziba Akbari, Zahra Zamani Metabolomics based study of logarithmic and stationary phases of promastigotes in Leishmania 1 major by 1H NMR spectroscopy Iranian biomedical journal 02/2015;

14-M. Beigi boroujeni, M. Arjmand, **G. Khalili**, Z. Akbari, A. Najafi, N. Beigi boroujeni, A. Shafiei, R. Haji Hosseini The metabonomic changes of leishmania major, s promastigotes (fredlin strain) after in vitro artemisinin treatment at stationary phase.

15- S. P. Jafary, H. Nahrevanian, E. Omidinia, M. Farahmand, **G. Khalili**, Z. Hosseini, S. Naeimi PP051 Immunobiochemical evaluation of killed leishmania vaccine (KLV) ainhibind BCG adjuvant in tion of visceralization of Leishmania major in Balb/c mice International Journal of Infectious Diseases 07/2011; 15. DOI:10.1016/S1201-9712(11)60204-X .

16- E. Salehizade, H. Nahrevania, M. Farahmand, R. Hajihosseini, R. Saghiri, **G. Khalili** DOI:10.3923/jp.2011.116.126 In vivo Application of Killed Leishmania Vaccine and Imiquimod as Adjuvant in Balb/c Mice Infected with Leishmania major MRHO/IR/75/ER as Iranian Strain Research Journal of Parasitology 04/2011; 6(4):116-126. 14-

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17-Mohsen Hamidpour, **Ghader Khalili**, Mahin Kamali, Mohammad Hasan Arzani, Farzaneh Jadali, Hamid Alavi Majd DETECTION OF ANTI-PLATELET GLYCOPROTEIN ANTIBODIES USING MAIPA METHOD ,Vol 1, No 3 (2010) .

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19- Y. Talebkhan, **M. Mohammadi**, Gh. Khalili, A. Haj-sheykholeslami<sup>3</sup>, N. Rakhshani, F. Mahboudi, S. Massarrat.. Detection of *Helicobacter Pylori* Infection by Imported IgG ELISA Kits in Comparison with Iranian Home Made Kit. Govaresh Vol. 11, No. 2, 2006.

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**21-Khalili G**, Nikolaeva I, Chevalier A, Khadem A, Farzad R, Mahboudi F. (2002)Quality assessment of immunoreactivity of HIV1, 2 recombinant protein gp41, P24, gp36 expressed in E.coli. Vol.7, No.18.

22-Mahboudi F, **Khalili G**, Nikolaeva I (2002) New improved ELISA based on recombinant antigen for HIV serodiagnosis. Tashkhis, No. 22, Sep & Oct.

**22-Khalili (2001)** Troubleshooting in ELISA (review). Tashkhis, No. 2, January.

**23.Nikolaeva Irena, Ghader Khalili (2000)** Ways of improvement of ELISA diagnostic of HIV infection: Experience of international study. Russian Journal of HIV/AIDS and Related Problem, Vol. 4, No.1.

24. Hamid Mahmoudzadeh-Niknam, **Ghader Khalili**, Afrouz Nikbakht-Dehkordi, Behrouz Nikbin-Moghadam (2001) Advantage of placenta as a source for mass production of HLA-antisera. *Irania Biomedical Journal*, 5 (1): 53, January.

25. F. Partovi, **G. Khalioli** (1999) Prevalence rate Giardiasis and cognitive function in Primary School children. *Feyse*, No. 20, 34-41.

2. Nikolaeva Irena, **Ghader Khalili** (1999) New improved ELISA based on recombinant antigen for HIV serodiagnosis. *Russian Journal of HIV/AIDS and Related Problem*, Vol. 3, No.1.

1. **Congres** EIA kit for diagnosis of *V. leishmaniasis* Antibody by using Rec K39 Protein. 9<sup>th</sup> of Iranin immunology Allergy *June 2008*
2. *Very Specific and Sensitive Standard ELISA test for the diagnosis of human hydatidosis by using fluid antigen*. 9<sup>th</sup> of Iranin immunology Allergy *June 2008*.
3. *Acomparision between three technique ELISA, Flowcytometry and MAIPA to detect Anti-Platelet Antibody in Children With . .* 9<sup>th</sup> of Iranin immunology Allergy *June 2008*.
1. *Evaluation of immunogenicity and pathogen city of Different Leishmania majore straine area of Zoonotic cutaneous leishmaniasis (ZCL) in Iran*. 7<sup>th</sup> Iranian Congress of Immunology and Allergy, Mashhad, 4-7 May *2004*.
2. *Giardiasis infection and cognitive function*. 11th Iranian congress on infection disease and tropical medicine. 28 Feb-4 Mar. *2003*.
3. *New improved ELISA kit for diagnosis of human facsioliasis by using excretory-secretary products as antigen*. The 9<sup>th</sup> Iranian Congress of Infection Diseases and Tropical Medicine, 14-18 Jan *2001*.
4. *Immunoreactivity of HIV1,2 recombinant antigen gp41, gp36 and gag expressed in E.coli using indirect ELISA techniqe*. 5 the Iranian Congress of Immunology and Allergy, Terabit Modares University, 17-19 May *2000*.
5. *Acquisition of antibodies to human leukocyte antigen from placenta to peripheral blood in Iranian parous women*, 5th Iranian Congress of Immunology and Allergy, Tarbiat Modares University, 17-19 May *2000*.



6. *Evaluation of anti HIV1, 2 rec Screening test kit by internationally recognized panels. 5th Iranian Congress of Immunology and Allergy, Tarbiat Modares University, 17-19 May 2000.*
7. *Lymphocyte receptors in chronic renal failure. 5th Iranian Congress of Immunology and Allergy, Terabit Modarres University , 17-19 May 2000.*
8. *Factors influencing formation rate and quality of antibodies against human leukocyte antigen (HLA) in parous womenn. The Fourth International Congress of immunology & Allergy, Isfahan (13-15 May, 1998)*
9. *Genetic diversity and phylogenetic analysis of human immunodeficiency virus type 1 subtypes circulating in Iran by hetroduplex mobility shift assay. 3th Congress of Iranian Biotechnology.*
10. *Molecular epidemiology of HIV-1 and study of its heterogeneity by analysis of gag gene subtypes of variants isolated in Iran . 3th Congress of Iranian Biotechnology.*