

Curriculum vitae:

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Education Record:

Bachelor of Science: 1985-1989, on Cellular and Molecular Biology, Faculty of Science, Tehran University.

Master of Science: 1990- 1993 On Human Genetics, Department of Genetics, Tehran University of Medical Sciences. *Thesis: cytogenetics of Retinoblastoma: A survey in Iranian patients, under supervision of Dr. P. Mehdipour.*

Ph.D.: 1999-2004 on Biotechnology, Pasteur Institute of Iran. *Thesis: DNA vaccination of BALB/c mice against L.major with cysteine proteinases fusion gene (cpa/cpb). Under supervision of Dr. S. Rafati.*

Postgraduate Course on Prenatal Diagnosis of Thalassemia: 2004, Dr Zeinali Medical Genetics Lab.

Professional activities:

Academic position: Assistant Professor of Genetics in Research Institute For Endocrine Sciences, Shahid Beheshti University of Medical Sciences,

Others: - Director of PND (Prenatal Diagnosis) center in Zahedan University (Since 2004 till 2009).

- Head of Genetics department in Zahedan University of Medical Sciences, Since 1994 till 2009.

- Scientific consultant for national prevention of thalassemia project in S&B province of Iran 2005-2007

Teaching activities:

- Medical Genetics Zahedan University of Medical Sciences, Faculties of Medicine, Dentistry, Nursery and Health & Nutrition 1994- 2009.
- Medical and Molecular Genetics for Ph.d candidatess Shahid Beheshti University of Medical Sciences, Research Institute For Endocrine Sciences since 2009 till now

Publications:

- Miri-Moghaddam E, **Zadeh-Vakili A.** Profile of β -Thalassemia and its Prenatal Diagnosis in Khorasan-E-Jonobi Province, Iran. *Hemoglobin*. 2012 Aug 24. [Epub ahead of print].
- **Azita Zadeh-Vakili**, Fahimeh Ramezani Tehrani, Somayeh Hashemi, Atieh Amouzegar, Fereidoun Azizi. Relationship between Sex Hormone Binding Globulin, Thyroid Stimulating Hormone, Prolactin and Serum Androgens with Metabolic Syndrome Parameters in Iranian Women of Reproductive Age. **Diabetes & Metabolism**. 2012 Mar.
- **Azita Zadeh Vakili**, Bita Faam, Maryam S. Daneshpour, Mehdi Hedayati, Fereidoun Azizi. Association of CD36 Gene Variants and Metabolic Syndrome in Iranians. **Genet Test Mol Biomarkers**. 2012 Apr;16(4):234-8.
- Alireza Nakhaee, Saeedeh Salimi, Azita Zadehvakili, Soroush Dabiri, Mehrangiz Noora, Mahnaz Rezaei, Ebrahim Miri-Moghadda: The Prevalence of Mediterranean Mutation of Glucose-6-Phosphate Dehydrogenase (G6PD) in Zahedan. **Zahedan J Res Med Sci** 2012; 14(3): 39-43.

- **Zadeh-Vakili A**, Tehrani FR, Hosseinpanah F. Waist circumference and insulin resistance: a community based cross sectional study on reproductive aged Iranian women. **Diabetol Metab Syndr**. 2011 Aug 10;3:18.

- Miri-Moghaddam E, **Zadeh-Vakili A**, Rouhani Z, Naderi M, Eshghi P, Khazaei Feizabad A. Molecular basis and prenatal diagnosis of β -thalassemia among Balouch population in Iran. **Prenat Diagn**. 2011; 31(8):788-91

- Farkhondeh Behjati, Saghar Ghasemi Firouzabadi, Kimia Kahrizi, Roxana Kariminejad, Iman Bagherizadeh, Javad Ansari, Masoumeh Fallah, Forough Mojtahedi, Hossein Darvish, Gholamreza Bahrami Monajemi, S. Sedigheh Abedini, Payman Jamali, Faezeh Mojahedi, **Azita Zadeh-Vakili**, Hossein Najmabadi. Chromosome abnormality rate among Iranian patients with idiopathic mental retardation from consanguineous marriages. **Arch Med Sci** . 2011; 7(4): 541-545.

- **Azita Zadeh-Vakili**, Payman Eshghi. Detection of a rare mutation in an Iranian family: codons 37/38/39 (7 bp deletion). **Hemoglobin**. 2009;33(6):523-7.

- Fallah MS, **Zadeh-Vakili A**, Aleyasin SA, Mahdian R, Karimipour M, Raeisi M, Jamali S, Ebrahimi A, Fooladi P, Naderi M, Baysal E, Zeinali S. Molecular characterization of thalassemia intermedia, due to co-inheritance of homozygous alpha triplication and IVSI-5 beta-thalassemia. **Blood Cells Mol Dis**. 2009; 43(2):158-60

-Eshghi P, **Zadeh-Vakili A**, Rashidi A, Miri-Moghadam E. An unusually frequent beta-thalassemia mutation in an Iranian Province. **Hemoglobin**. 2008;32(4):387-92

-Eshghi P, Rashidi A, **Zadeh-Vakili A**, Miri-Moghadam E. Hematological phenotype of the IVS-I-5 (G > C) beta-thalassemia mutation and assessment of Iran's national screening criteria. **Hemoglobin**. 2008;32(5):440-5.

-Trinh CH, Sh Elsayed W, Eshghi P, Miri-Moghaddam E, **Zadeh-Vakili A**, Markham AF, Anwar R. Molecular analysis of sixteen unrelated factor XIIIa deficient families from south-east of Iran. **Br J Haematol**. 2008 Mar;140(5):581-4

-**Zadeh-Vakili A**, Eshghi P, Rastegar Lari Gh. Efficiency of *BclI* restriction fragment length polymorphism for detection of hemophilia A carriers in Sistan and Baluchestan province in southeast of Iran. **IJMS**. 2008;33(1):33-36.

- **Azita Zadeh-Vakili**, Tahereh Taheri, Yasaman Taslimi, Fatemeh Doustdari, Ali-Hatef Salmanian and Sima Rafati: Immunization with the hybrid protein vaccine consisting of *Leishmania major* cysteine proteinases Type I (CPB) and Type II (CPA), partially protect against Leishmaniasis. **Vaccine** 2004;22:1930-1940.

- **Azita Zadeh-Vakili**, Tahereh Taheri, Yasaman Taslimi, Fatemeh Doustdari, Ali-Hatef Salmanian and Sima Rafati: Bivalent DNA vaccination with genes encoding *Leishmania major* cysteine proteinases type I and II protects mice against infectious challenge. **Iranian Journal of Biotechnology** 2004;2:35-43.

Presentations:

Azita Zadeh-Vakili, Tahereh Taheri, Yasaman Taslimi, Fatemeh Doustdari, Ali-Hatef Salmanian and Sima Rafati.

- Immunization with the hybrid protein vaccine consisting of *Leishmania major* cysteine proteinases Type I (CPB) and Type II (CPA), partially protect against Leishmaniasis. **12th International congress of immunology (2004). Montreal ,Canada**

Taheri T, **Zadeh-Vakili A**, Doustdari F, Taslimi Y, Salmanian AH, Rafati S.

- Bivalent DNA vaccination with genes encoding *Leishmania major* cysteine proteinases type I and II protects mice against infectious challenge. **The 4th**

International Congress of Immunology (2004). Montréal, Canada.

-**Azita Zadeh-Vakili**, Tahereh Taheri, Yasaman Taslimi, Fatemeh Doustdari,
Ali-Hatef Salmanian and Sima Rafati.

- Partial protection against *Leishmania major* with a bivalent DNA vaccine consisting of cysteine proteinases type I and II. **3rd Iranian national congress of biotechnology (2004). Mashhad, Iran.**

Zadeh-Vakili A.

- Genetic counselling and prevention of Duchenne muscular dystrophy. **5th Iranian congress of child neurology (2006). Zahedan, Iran.**

Peyman Eshghi, Ebrahim M. Moghadam, **Azita z. Vakili.**

- Hematological values in heterozygotes for the IVS I-5 G>C (β^0) as the most common type of beta thalassemia mutation in south east of Iran.
12th International congress on thalassemia and hemoglobinopathies (2006). Dubai, United Arab Emirates.

Zadeh-Vakili A, Payman Eshghi , Ghassem Rastegar Lari.

- Efficiency of *BclI* restriction fragment length polymorphism for detection of hemophilia A carriers in Sistan and Baluchestan province in southeast of Iran.
Hemophilia 2006 World congress, Vancouver, Canada.

Zadeh- Vakili A.

- The first report of 619 bp deletion mutation in Iran, identified due to its association with Hemoglobin D-Punjab in a Baloch family.

4th Congress of Iranian Pediatric Hematology & Oncology(2006). Kerman, Iran.

Zadeh-Vakili A, Miri-Moghaddam E, Narouie Nejad M, Shahsavani M, Roostae J,
Jafari S, Zeinali S.

- Prenatal Diagnosis of β -thalassemia in southeast of Iran. **The 1st International Congress on Health Genomics and Biotechnology (2007). Tehran, Iran.**

Darvish H, Bahrami G, Mohseni M, Firouzabadi S, Rakhshani F, **Zadeh-Vakili A**,
Naghavi A, Behjati F.

- Investigation of six mental retardation loci(MCPH 1MCPH2, MCPH3, MCPH4, MCPH5 and MCPH6) associated with microcephaly in southeast & northeast of Iran. **The 1^s International Congress on Health Genomics and Biotechnology (2007). Tehran, Iran.**

Zadeh-Vakili A, Zeinali S.

- High prevalence of α -globin gene deletions in subjects from southeast of Iran with abnormal hematological indices and normal A₂.

**10th International Congress on Thalassemia & Haemoglobinopathies (2008).
Singapore.**

Azita Zadeh-Vakili.

- Recent progress in genetics of diabetes mellitus type 2 and obesity- a review. **2nd International congress of metabolic syndrome, obesity and diabetes(2010).
Zanjan, Iran .**

Azita Zadeh Vakili, Bitaa Faam, Maryam S. Daneshpour, Mehdi Hedayati, Fereidoun
Azizi

- Variants of the CD36 gene and metabolic syndrome in Iranians. **European
Human Genetics Conference (2011).** Amsterdam, the Netherlands.

Fahimeh Ramezani Tehrani, **Azita Zadeh-Vakili**, Maryam Sadat Daneshpour, Fereidoun
Azizi

- Genetic polymorphisms and their associations with PCOS severity: The VDR gene variant. **The 9th International Congress of Endocrine Disorders(2011). Tehran, Iran.**