



Curriculum vitae:

Name: Azita Zadeh-Vakili

Date of birth: June 28th, 1965.

Address: Cellular and Molecular Endocrine Research Center, Research Institute for Endocrine Sciences, 24 Aarabi St, Velenjak, Tehran, Iran

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Education Record:

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

Master of Science: 1990-1993 On Human Genetics, Department of Genetics, Tehran University of Medical Sciences, Tehran, Iran.

Thesis: cytogenetics of Retinoblastoma:

A survey of Iranian patients. Under supervision of Dr. P. Mehdipour.

PhD: 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: Associate Professor of Genetics, Research Institute For Endocrine Sciences, Shahid Beheshti University of Medical Sciences (Since 2009)

Others:

- Academic faculty member, Genetics Department, Zahedan University of Medical Sciences (1994-2009)

- - Director of PND (Prenatal Diagnosis) center in Zahedan University of Medical Sciences (2004 - 2009)
- Head of Genetics department in Zahedan University of Medical Sciences (1994-2009)
- Member of National Committee for Prevention of Thalassemia (2004-2009)
- Scientific consultant for national prevention of thalassemia project in S&B province of Iran (2005-2007)
- Member of research committee of Research Center for Congenital Hematologic Disorders, Shahid Beheshti University of Medical Sciences (Since 2012)
- Editor in Chief of Iranian Journal of Endocrinology & Metabolism (since Nov. 2013)
- Editor in Chief, International Journal of Endocrinology & Metabolism (since Nov. 2013).
- Deputy Director Researcher, Research Institute for Endocrine Sciences, Shahid Beheshti University of Medical Sciences (Nov 2009-to date)

Teaching activities:

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

Peer Reviewed Publications:

1. Zahra Daneshian, Fahimeh Ramezani Tehrani, Maryam Zarkesh, Mahsa Norooz Zadeh, Reza Mahdian, **Azita Zadeh-Vakili. Antimullerian Hormone and Its Receptor Gene Expression in Prenatally Androgenized Female Rats.** International Journal of Endocrinology & Metabolism. 2015;13(1):e25728.
2. Ebrahim Miri-Moghaddam, **Azita Zadeh-Vakili**, Abbas Nikravesh, Shohreh Sanei Sistani, Mehrnaz Naroie-Nejad. **Sistani population: a different spectrum**

- of β -thalassemia mutations from other ethnic groups of Iran. Hemoglobin. 2013; 37(2): 138–147.
3. **Azita Zadeh-Vakili**, Fahimeh Ramezani Tehrani, Maryam Sadat Daneshpour, Maryam Zarkesh, Navid Saadat, Fereidoun Azizi. **Genetic polymorphism of vitamin D receptor gene affects the phenotype of PCOS**. Gene 2013; 515: 193–196.
 4. Miri-Moghaddam E, **Zadeh-Vakili A**. **Profile of β -Thalassemia and its Prenatal Diagnosis in Khorasan-E-Jonobi Province, Iran**. Hemoglobin. 2012;36(5):456-63.
 5. **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**. Journal of Diabetes & Metabolism. 2012. S2:008. doi:10.4172/2155-6156.S2-008
 6. **Azita Zadeh Vakili**, Bitaa 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.
 7. 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.
 8. **Zadeh-Vakili A**, Tehrani FR, Hosseinpahan 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.
 9. 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
 10. 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.
11. **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.
 12. 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
 13. 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.
 14. 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.
 15. 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
 16. **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.
 17. **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.
 18. **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:

- **The 10th International Congress of Endocrine Disorders(2014). Tehran, Iran.**

The association between insulin resistance and diabetogenic polymorphism is highly influenced by PCOS status.

A Zadeh-Vakili, F Ramezani Tehrani, M Zarkesh, M Tohidi, F Azizi

- **First International and 13th Iranian Genetics Congress (2014). Tehran, Iran.**

Antimullerian hormone and its receptor gene expression in prenatally androgenized female rats.

Zahra Daneshian, Fahimeh Ramezani-Tehrani, Maryam Zarkesh, Mahsa Norooz-Zadeh, Reza Mahdian, **Azita Zadeh-Vakili**

- **European Human Genetics Conference (2014). Milan, Italy.**

The evaluation of adiponectin and its receptors (AdipoR1 and AdipoR2) genes expression in rat polycystic ovary syndrome models.

Zahra Daneshian, **Azita Zadeh Vakili,** Maryam Zarkesh, Fahimeh Ramezani Tehrani, Mahsa Norooz-Zadeh

- **European Human Genetics Conference (2011). Amsterdam, the Netherlands.**

Variants of the CD36 gene and metabolic syndrome in Iranians.

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

- **The 9th International Congress of Endocrine Disorders(2011). Tehran, Iran.**

Genetic polymorphisms and their associations with PCOS severity: The VDR gene variant.

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

Azizi

- **2nd International congress of metabolic syndrome, obesity and diabetes(2010). Zanjan, Iran .**

Recent progress in genetics of diabetes mellitus type 2 and obesity- a review.

Azita Zadeh-Vakili.

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

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

Zadeh-Vakili A, Zeinali S.

- **The 1st International Congress on Health Genomics and Biotechnology (2007). Tehran, Iran.**

Prenatal Diagnosis of β -thalassemia in southeast of Iran.

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

- **The 1^s International Congress on Health Genomics and Biotechnology (2007). Tehran, Iran.**

Investigation of six mental retardation loci(MCPH 1MCPH2, MCPH3, MCPH4, MCPH5 and MCPH6) associated with microcephaly in southeast & northeast of Iran.

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

- **congress of child neurology (2006). Zahedan, Iran.**

Genetic counselling and prevention of Duchenne muscular dystrophy. 5th Iranian

Zadeh-Vakili A.

- **12th International congress on thalassemia and hemoglobinopathies (2006).
Dubai, United Arab Emirates.**

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.

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

- **Hemophilia 2006 World congress, Vancouver, Canada.**

Efficiency of *BclI* restriction fragment length polymorphism for detection of hemophilia A carriers in Sistan and Baluchestan province in southeast of Iran.

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

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

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

Zadeh- Vakili A.

- **12th International congress of immunology (2004). Montreal, Canada**

Immunization with the hybrid protein vaccine consisting of *Leishmania major* cysteine proteinases Type I (CPB) and Type II (CPA), partially protect against Leishmaniasis.

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

- **The 4th International Congress of Immunology (2004). Montréal, Canada.**

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

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

- **3rd Iranian national congress of biotechnology (2004). Mashhad, Iran.**

Partial protection against *Leishmania major* with a bivalent DNA vaccine
consisting of cysteine proteinases type I and II.

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