



## دکتر آزینا زاده وکیلی

متولد ۱۳۴۴- تهران

رتبه علمی: استاد

### سوابق تحصیلی

- کارشناسی بیولوژی سلولی-مولکولی از دانشگاه تهران (۱۳۶۹)
- کارشناسی ارشد ژنتیک انسانی از دانشگاه علوم پزشکی تهران (۱۳۷۲)
- دکترای تخصصی فرآورده های بیولوژیک (بیوتکنولوژی پزشکی) از انستیتو پاستور ایران (۱۳۸۳)
- دوره تخصصی تشخیص پیش از تولد، مرکز ژنتیک پزشکی دکتر زینلی (۱۳۸۳)

### سوابق خدمت

- عضو هیئت علمی دانشگاه علوم پزشکی زاهدان (۱۳۷۳-۱۳۸۸)
- مدیر گروه ژنتیک دانشگاه علوم پزشکی زاهدان (۱۳۸۳-۱۳۸۸)
- مسئول فنی مرکز تشخیص پیش از تولد تالاسمی دانشگاه علوم پزشکی زاهدان (۱۳۸۳-۱۳۸۸)
- عضو کمیته فنی کشوری پیشگیری از تالاسمی (۱۳۸۲-۱۳۸۸)
- عضو شورای دانشگاهی پیشگیری از بیماری های ژنتیک دانشگاه علوم پزشکی زاهدان (۱۳۸۶-۱۳۸۸)
- عضو هیئت علمی پژوهشکده علوم غدد درون ریز و متابولیسم دانشگاه علوم پزشکی شهید بهشتی (۱۳۸۸ تا کنون)
- عضو شورای پژوهشی مرکز تحقیقات بیماری های خونی مادرزادی، دانشگاه علوم پزشکی شهید بهشتی (۱۳۹۱ تا ۱۳۹۸)
- معاون پژوهشی پژوهشکده علوم غدد درون ریز و متابولیسم دانشگاه علوم پزشکی شهید بهشتی (آبان ۱۳۹۲ تا اردیبهشت ۱۳۹۹)
- عضو کمیته اجرایی شورای پژوهشی دانشگاه علوم پزشکی شهید بهشتی (اسفند ۱۳۹۳ تا اردیبهشت ۱۳۹۹)

- عضو شورای پژوهشی پژوهشکده علوم غدد درون ریز و متابولیسم دانشگاه علوم پزشکی شهید بهشتی (آبان ۱۳۹۲ تا کنون)
- سردبیر مجله غدد درون ریز و متابولیسم ایران (آذر ۱۳۹۲ تا کنون)
- سردبیر مجله بین المللی غدد درون ریز و متابولیسم (آذر ۱۳۹۲ تا کنون)

1. Chahardoli R, Robat-Jazi B, Azizi F, Amouzegar A, Khalili D, **Zadeh-Vakili A**, Mansouri F, Saboor-Yaraghi AA. Alterations in CD4+ T Cell Cytokines Profile in Female Patients with Hashimoto's Thyroiditis Following Vitamin D Supplementation: A Double-blind, Randomized Clinical Trial. *Endocr Metab Immune Disord Drug Targets*. 2024;24(12):1454-1463.
2. **Zadeh-Vakili A**, Najd-Hassan-Bonab L, Akbarzadeh M, Abdi H, Zahedi AS, Azizi F, Daneshpour MS. Three candidate SNPs show associations with thyroid-stimulating hormone in euthyroid subjects: Tehran thyroid study. *Journal of Diabetes & Metabolic Disorders*.
3. Zadeh-Vakili A, Faam B, Afgar A, Razmpoosh E, Zarkesh M, Amouzegar A. A systematic review of dysregulated microRNAs in Hashimoto's thyroiditis. *Endocrine*. 2024 Jan 12.
4. Kabootari M, Habibi Tirtashi R, Zadeh-Vakili A, Zarkesh M, Samadanifard H, Haghghi S, et al. RET/PTC rearrangement in papillary thyroid carcinoma arising in malignant struma ovarii with abdominal wall metastasis and cervical thyroid gland: a case report and review of the literature. *Thyroid Res*. 2023 Sep 27;16(1):39.
5. Montazeri M, Zarkesh M, **Zadeh-Vakili A**, Khalili D, Movahedi M, Khalaj A. Association of physical activity with increased PI3K and Akt mRNA levels in adipose tissues of obese and non-obese adults. *Sci Rep*. 2023; 13(1):9291.
6. Daneshpour MS, Akbarzadeh M, Lanjanian H, (and 35 others), **Zadeh-Vakili A**. Cohort profile update: Tehran cardiometabolic genetic study. *Eur J Epidemiol*. 2023 May 12:1-13.

7. Ghanooni AH, **Zadeh-Vakili A**, Rezvankhah B, Jafari Nodushan S, Akbarzadeh M, Amouzegar A, et al. Longitudinal Associations Between TPO Gene Variants and Thyroid Peroxidase Antibody Seroconversion in a Population-Based Study: Tehran Thyroid Study. *Genet Test Mol Biomarkers*. 2023 Mar; 27(3):65-73.
8. Dovom MR, Noroozadeh M, Mosaffa N, **Zadeh-Vakili A**, Piryaee A, Rahmati M, et al. Continued exposure to D-galactose in postnatal period may inhibit excessive primordial follicle reduction in rats exposed prenatally to D-galactose. *Birth Defects Res*. 2022 Oct 15;114(17):1112-1122.
9. Rostami Dovom M., Noroozadeh M., Mosaffa N., Piryaee A., **Zadeh-Vakili A**, Aabdollahifar MA., et al. Maternal Exposure to D-galactose Reduces Ovarian Reserve in Female Rat Offspring Later in Life. *Int J Endocrinol Metab*. 2022 April; 20(2):e123206.
10. Zarkesh, M., Tabaei, K., Akbarzadeh, M., Daneshafrooz, **A., Zadeh-Vakili**. Association of miR-34a and miR-143 levels with PPAR $\gamma$  gene expression in adipose tissues of non-diabetic adults. *J Physiol Anthropol* . 2022 Apr 9;41(1):13.
11. **Zadeh-vakili A.**, Ramezani Tehrani F., Daneshian Z., Norooz Zadeh M., Zarkesh, M. Effect of Prenatal Hyperandrogenization on Expression of Adiponectin and its Receptors in Ovary and Granulosa Cells from the Rat Model of Polycystic Ovary. *Iranian Journal of Endocrinology and Metabolism*. 2021; 23 (2), 91-81.
12. Mir Saeid Ghazi AA, Amouzegar A, **Zadeh-Vakili A**, Sheikh Rezaei A, Amirbaigloo A, Zarif Yeganeh M, et al. Clinical and Laboratory Characteristics of a Large Iranian Kindred Afflicted with Von Hippel Lindau Disease. *Int J Endocrinol Metab*. 2021 Mar 16;19(2):e105189.
13. Mir Saeid Ghazi AA, Amouzegar A, **Zadeh-Vakili A**, Sheikh Rezaei A, Amirbaigloo A, Zarif Yeganeh M, et al. Clinical and Laboratory Characteristics of a Large Iranian Kindred Afflicted with Von Hippel Lindau Disease. *Int J Endocrinol Metab*. 2021 Mar 16;19(2):e105189.

14. Fallah A, Estiri H, Parrish E, Soleimani M, Zeinali S, **Zadeh-Vakili A**. Biosimilar gene therapy: investigational assessment of secukinumab gene therapy. *Cell J*. 2020; 21 (4): 433-443.
15. **Zadeh-Vakili A**, Daneshian Z. Epigenetic Regulation of Thermogenic Adipocytes Differentiation and Program: A New Approach to the Treatment of Obesity. *Iranian Journal of Endocrinology and Metabolism*. 2019; 21 (3): 174-187.
16. Rostami Dovom, M., Noroozzadeh, M., Mosaffa, N., **Zadeh-Vakili A** , Piryaei, A., Ramezani Tehrani, F. Induced premature ovarian insufficiency by using D galactose and its effects on reproductive profiles in small laboratory animals: A systematic review. *J Ovarian Res*. 2019; 12(1):96.
17. Chahardoli R, Saboor-Yaraghi AA, Amouzegar A, Khalili D, **Vakili AZ**, Azizi F. Can Supplementation with Vitamin D Modify Thyroid Autoantibodies (Anti-TPO Ab, Anti-Tg Ab) and Thyroid Profile (T3, T4, TSH) in Hashimoto's Thyroiditis? A Double Blind, Randomized Clinical Trial. *Horm Metab Res*. 2019 May; 51(5):296-301.
18. Ghasemi A, Bahadoran Z, **Zadeh-Vakili A**, Montazeri SA, Hosseinpanah F. The Principles of Biomedical Scientific Writing: Materials and Methods. *Int J Endocrinol Metab*. 2019 Jan 28; 17(1):e88155.
19. Bahadoran Z, Mirmiran P, **Zadeh-Vakili A**, Hosseinpanah F, Ghasemi A. The Principles of Biomedical Scientific Writing: Results. *Int J Endocrinol Metab*. 2019 Apr 24;17(2):e92113.
20. Ghasemi A, Bahadoran Z, Mirmiran P, Hosseinpanah F, Shiva N, **Zadeh-Vakili A**. The Principles of Biomedical Scientific Writing: Discussion. *Int J Endocrinol Metab*. 2019 Jul 29;17(3):e95415.

21. Zarkesh M, **Zadeh-Vakili A**, Akbarzadeh M, Nozhat Z, Fanaei SA, Hedayati M, et al. BRAF V600E mutation and microRNAs are helpful in distinguishing papillary thyroid malignant lesions: Tissues and fine needle aspiration cytology cases. *Life Sci.* 2019 Apr 15;223:166-173.
22. Azizi F, Takyar M, **Zadeh-Vakili A**. Contributions and Implications of the Tehran Lipid and Glucose Study. *Int J Endocrinol Metab.* 2018 Oct 31;16(4 Suppl):e84792.
23. Azizi F, **Zadeh-Vakili A**, Takyar M. Review of Rationale, Design, and Initial Findings: Tehran Lipid and Glucose Study. *Int J Endocrinol Metab.* 2018 Oct 22;16(4 Suppl):e84777.
24. Khalili D, Azizi F, Asgari S, **Zadeh-Vakili A**, Momenan AA, Ghanbarian A, et al. Outcomes of a Longitudinal Population-based Cohort Study and Pragmatic Community Trial: Findings from 20 Years of the Tehran Lipid and Glucose Study. *Int J Endocrinol Metab.* 2018 Oct 13;16(4 Suppl):e84748.
25. Daneshpour MS, Hedayati M, Sedaghati-Khayat B, Guity K, Zarkesh M, Akbarzadeh M, et al. Genetic Identification for Non-Communicable Disease: Findings from 20 Years of the Tehran Lipid and Glucose Study. *Int J Endocrinol Metab.* 2018 Oct 27;16(4 Suppl):e84744.
26. Salehi Jahromi M, **Zadeh-Vakili A**, Ramezani Tehrani F. The Consequences of Prenatal Excess Androgen Exposure in Anatomy of the Reproductive System and Physiology. *Iranian Journal of Endocrinology and Metabolism.* 2018; 19 (5), 357-369.
27. Salehi Jahromi M, **Zadeh-Vakili A**, Ramezani Tehrani F. The Consequences of Prenatal Excess Androgen Exposure in Anatomy of the Reproductive System and Physiology. *Iranian Journal of Endocrinology and Metabolism.* 2018; 19 (5), 357-369.

28. Zarkesh M, **Zadeh-Vakili A**, Akbarzadeh M, Fanaei SA, Hedayati M, Azizi F. The role of matrix metalloproteinase-9 as a prognostic biomarker in papillary thyroid cancer. *BMC Cancer*. 2018 Dec 3;18(1):1199.
29. Salehi Jahromi M, Hill JW, Ramezani Tehrani F, **Zadeh-Vakili A**. Hypomethylation of specific CpG sites in the promoter region of steroidogenic genes (GATA6 and StAR) in prenatally androgenized rats. *Life Sci*. 2018; 207; 105–109.
30. Zarkesh M, **Zadeh-Vakili A**, Azizi F, S Fanaei A, Foroughi F, Hedayati M. The Association of BRAF V600E Mutation With Tissue Inhibitor of Metalloproteinase-3 Expression and Clinicopathological Features in Papillary Thyroid Cancer. *Int J Endocrinol Metab*. 2018; 16(2):e56120.
31. Varzandi T, Abdollahifar MA, Haeri Rohani SA, Piryaei A, **Zadeh-Vakili A**, Jeddi S, et al. Effect of long-term nitrite administration on browning of white adipose tissue in type 2 diabetic rats: A stereological study. *Life Sci*. 207 (2018) 219–226.
32. Zarkesh M, **Zadeh-Vakili A**, Azizi F, Foroughi F, Akhavan MM, Hedayati M. Altered Epigenetic Mechanisms in Thyroid Cancer Subtypes. *Mol Diagn Ther*. 2018 Feb;22(1):41-56. doi: 10.1007/s40291-017-0303-y.
33. Zeydabadi Nejad S, Ramezani Tehrani F, **Zadeh-Vakili A**. The Role of Kisspeptin in Female Reproduction. *Int J Endocrinol Metab*. 2017 Apr 22;15(3):e44337. doi: 10.5812/ijem.44337. eCollection 2017 Jul. Review.
34. Noroozzadeh M, Behboudi-Gandevani S, **Zadeh-Vakili A**, Ramezani Tehrani F. Hormone-induced rat model of polycystic ovary syndrome: A systematic review. *Life Sci*. 2017 Dec 15;191:259-272. doi: 10.1016/j.lfs.2017.10.020.

35. Mirmiran P, Bahadoran Z, **Vakili AZ**, Azizi F. Western dietary pattern increases risk of cardiovascular disease in Iranian adults: a prospective population-based study. *Appl Physiol Nutr Metab*. 2017 Mar;42(3):326-332.
36. Ghazi AA, **Zadeh-Vakili A**, Zarif Yeganeh M, Alamdari S, Amouzegar A, Khorsandi AA, et al. Hereditary Vitamin D Resistant Rickets: Clinical, Laboratory, and Genetic Characteristics of 2 Iranian Siblings. *Int J Endocrinol Metab*. 2017 Jul 31;15(3):e12384.
37. Gholami H, Jeddi S, **Zadeh-Vakili A**, Farrokhfall K, Rouhollah F, Zarkesh M, et al. Transient Congenital Hypothyroidism Alters Gene Expression of Glucose Transporters and Impairs Glucose Sensing Apparatus in Young and Aged Offspring Rats. *Cell Physiol Biochem*. 2017;43(6):2338-2352.
38. Noroozadeh M, Behboudi-Gandevani S, Zadeh-Vakili A, Ramezani Tehrani F. Hormone-induced rat model of polycystic ovary syndrome: A systematic review. *Life Sci*. 2017 Dec 15;191:259-272.
39. Salehi Jahromi M, Ramezani Tehrani F, Hill JW, Noroozadeh M, Zarkesh M, Ghasemi A, et al. Alteration in follistatin gene expression detected in prenatally androgenized rats. *Gynecol Endocrinol*. 2017 Jun; 33(6):433-437.
40. Mirmiran P, Bahadoran Z, Khalili Moghadam S, **Zadeh Vakili A**, Azizi F. A Prospective Study of Different Types of Dietary Fiber and Risk of Cardiovascular. Disease: Tehran Lipid and Glucose Study. *Nutrients*. 2016 Nov 7; 8(11).
41. Jahromi MS, Tehrani FR, Noroozadeh M, Zarkesh M, Ghasemi A, **Zadeh-Vakili A**. Elevated expression of steroidogenesis pathway genes; CYP17, GATA6 and StAR in prenatally androgenized rats. *Gene*. 2016 Nov 15;593(1):167-71.
42. Jeddi S, Zaman J, **Zadeh-Vakili A**, Zarkesh M, Ghasemi A. Involvement of inducible nitric oxide synthase in the loss of cardioprotection by ischemic postconditioning in hypothyroid rats. *Gene*. 2016 Apr 15;580(2):169-76.



43. Yuzbashian E, Asghari G, Mirmiran P, **Zadeh-Vakili A**, Azizi F. Sugar-sweetened beverage consumption and risk of incident chronic kidney disease: Tehran lipid and glucose study. *Nephrology (Carlton)*. 2016 Jul;21(7):608-16.
44. Golzarand M, Bahadoran Z, Mirmiran P, **Zadeh-Vakili A**, Azizi F. Consumption of nitrate-containing vegetables is inversely associated with hypertension in adults: a prospective investigation from the Tehran Lipid and Glucose Study. *J Nephrol*. 2016 Jun;29(3):377-384.
45. Tehrani FR, Zarkesh M, Tohidi M, Azizi F, **Zadeh-Vakili A**. Is the association between insulin resistance and diabetogenic haematopoietically expressed homeobox (HHEX) polymorphism (rs1111875) affected by polycystic ovary syndrome status? *Reprod Fertil Dev*. 2017 Apr;29(4):670-678.
46. Daneshian Z, Ramezani Tehrani F, Zarkesh M, Norooz Zadeh M, Mahdian R, **Zadeh-Vakili A**. Antimullerian Hormone and Its Receptor Gene Expression in Prenatally Androgenized Female Rats. *Int J Endocrinol Metab*. 2015;13(1):e25728.
47. Miri-Moghaddam E, **Zadeh-Vakili A**, Nikravesh A, Sanei Sistani S, Naroie-Nejad M. Sistani population: a different spectrum of  $\beta$ -thalassemia mutations from other ethnic groups of Iran. *Hemoglobin*. 2013; 37(2): 138–147.
48. **Zadeh-Vakili A**, Ramezani Tehrani F, Daneshpour MS, Zarkesh M, Saadat N, Azizi F. Genetic polymorphism of vitamin D receptor gene affects the phenotype of PCOS. *Gene* 2013; 515: 193–196.
49. Miri-Moghaddam E, **Zadeh-Vakili A**. Profile of  $\beta$ -Thalassemia and its Prenatal Diagnosis in Khorasan-E-Jonobi Province, Iran. *Hemoglobin*. 2012;36(5):456-63.

50. **Zadeh-Vakili A**, Faam B, Daneshpour MS, Hedayati M, Azizi F. Association of CD36 Gene Variants and Metabolic Syndrome in Iranians. *Genet Test Mol Biomarkers*. 2012 Apr;16(4):234-8.
51. Nakhaee A, Salimi S, **Zadehvakili A**, Dabiri S, Noora M, Rezaei M, et al. The Prevalence of Mediterranean Mutation of Glucose-6-Phosphate Dehydrogenase (G6PD) in Zahedan. *Zahedan J Res Med Sci*. 2012; 14(3): 39-43.
52. Ramezani Tehrani F, **Zadeh-Vakili A**, Hashemi S, Amozgar A. Associations between hormonal profiles of urban Iranian women of reproductive age: A community based study of four provinces. *Iranian Journal of Endocrinology and Metabolism*. 2012, 14 (1), 32-38.
53. **Zadeh-Vakili A**, Ramezani Tehrani F, Hashemi S, Amouzegar A, Azizi F. Relationship between Sex Hormone Binding Globulin, Thyroid Stimulating Hormone, Prolactin and Serum Androgens with Metabolic Syndrome Parameters in Iranian Women of Reproductive Age. *J Diabetes Metab*. 2012. Available from: doi:10.4172/2155-6156.S2-008
54. **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.
55. Miri-Moghaddam E, **Zadeh-Vakili A**, Rouhani Z, Naderi M, Eshghi P, Khazaei Feizabad A. Molecular basis and prenatal diagnosis of  $\beta$ -thalassemia among Balouch population in Iran. *Prenat Diagn*. 2011; 31(8):788-91.
56. Farkhondeh Behjati, Saghar Ghasemi Firouzabadi, Kimia Kahrizi, Roxana Kariminejad, Iman Bagherizadeh, Javad Ansari, et al. Chromosome abnormality rate among Iranian patients with idiopathic mental retardation from consanguineous marriages. *Arch Med Sci* . 2011; 7(4): 541-545.

57. **Zadeh-Vakili A**, Eshghi P. Detection of a rare mutation in an Iranian family: codons 37/38/39 (7 bp deletion). *Hemoglobin*. 2009;33(6):523-7.
58. Fallah MS, **Zadeh-Vakili A**, Aleyasin SA, Mahdian R, Karimipour M, Raeisi M, et al. 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.
59. 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.
60. 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.
61. Trinh CH, Sh Elsayed W, Eshghi P, Miri-Moghaddam E, **Zadeh-Vakili A**, Markham AF, et al. Molecular analysis of sixteen unrelated factor XIIIa deficient families from south-east of Iran. *Br J Haematol*. 2008 Mar;140(5):581-4.
62. **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. *Iran J Med Sci*. 2008;33(1):33-36.
63. **Zadeh-Vakili A**, Taheri T, Yasaman Taslimi Y, Fatemeh Doustdari F, Ali-Hatef Salmanian AH, et al. Bivalent DNA vaccination with genes encoding *Leishmania major* cysteine proteinases type I and II protects mice against infectious challenge. *Iran J Biotechnol*. 2004;2:35-43.
64. **Zadeh-Vakili A**, Taheri T, Yasaman Taslimi Y, Fatemeh Doustdari F, Ali-Hatef Salmanian AH, et al. 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.

۱. مریم زرکش، مهدی تقدسی، فریدون عزیزی، آرزیتا زاده و کیلی، مهدی هدایتی: اهمیت تغییرات اپیژنتیک در بروز سرطان تیروئید و کاربرد درمانی این تغییرات. مجله علوم پزشکی مدرس: آسیب شناسی زیستی، دوره ۱۷، شماره ۳، پاییز ۱۳۹۳، صفحات ۱-۲۴
۲. مهسا نوروززاده، افهمه رضانی، تهران، \*آرزیتا زاده و کیلی، عباس پیریایی، فریدون عزیزی: اثر تزریق داخل رحمی آندروژن بر سیستم تولید مثلی و تغییرات هورمونی در زاده های ماده بالغ موش های صحرايي. مجله فیزیولوژی و فارماکولوژی ایران ۱ (۲)، ۷۶-