Curriculum Vitae

Personal History

Date: 01/03 /2021
Name: Shirin Shahbazi
Date and place of birth: 26/06/1971, Iran
Marrital status: Married, 2 children
Languages: Persian, English, French
Occoupation: Associate professor
Address: Tarbiat modares university- Faculty of medical sciences – Medical genetics depertment
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Educational History

a. *Education (Academic Preparation)*

Major	Degree	University	City	Country	Year	
					From	To
Medical molecular Genetics	Ph.D	Denis Diderot (Paris 7)	Paris	France	2004	2008
Human genetics	MSc	Tehran university of medical science	Tehran	Iran	2001	2004
Midwifery	BSc	Shahid Beheshti university of medical science	Tehran	Iran	1991	1996

b. *Thesis*

Title of thesis	Degree	Supervisor
Von willebrand factor: journey from gene defects to cellular aspects of its function and catabolism.	Ph.D	Dr. Cécile Denis
Evaluation of androgen receptor gene CAG repeats polymorphism in women with familial breast cancer.	MSc	Dr. Parvin Mehdipour

Honors and Awards

Award	Place	Awarding body	Year
A grant for 2nd International workshop on Cancer Genetic & Cytogenetic Diagnostics	Nijmegen- Netherlands	Radboud University Medical Center	2014
NSFA Scholarship	Paris - France	French Atherosclerosis Society (NSFA)	2004
Top student award	Tehran- Iran	Faculty of public health (TUMS)	2003

Publications

Articles

Mohamadalizadeh-Hanjani, Z., **Shahbazi, S.***, Geranpayeh, L. Investigation of the SPAG5 gene expression and amplification related to the NuMA mRNA levels in breast ductal carcinoma. 2020.World J Surg Oncol. 24;18(1):225. doi: 10.1186/s12957-020-02001-8.

Shahbazi, S.*, Zarei, S., Torfeh, M., Fatahi, N. Q192R variant in paraoxonase 1 gene confers susceptibility to leiomyoma. 2020. J Cancer Res. 16(4):884-887. doi: 10.4103/jcrt.JCRT_923_16.

Mortazavipour,MM., **Shahbazi, S.***, Mahdian, R. Detection of Paternal IVS-II-1 (G>A) (HBB: c.315+1G>A) Mutation in Cell-Free Fetal DNA Using COLD-PCR assay. 2020. Hemoglobin. 44(3):168-173. doi: 10.1080/03630269.2020.1768864.

Behroozi, J., **Shahbazi, S.***, Bakhtiarizadeh, MR., Mahmoodzadeh , H. Genome-Wide Characterization of RNA Editing Sites in Primary Gastric Adenocarcinoma through RNA-seq Data Analysis. 2020 .Int J Genomics. 18;6493963. doi: 10.1155/2020/6493963.

Hosseinipour, M., **Shahbazi, S**.*, Roudbar-Mohammadi, S., Khorasani, M.,Marjani, M. Differential genes expression analysis of invasive aspergillosis: a bioinformatics study based on mRNA/microRNA.2020. Molecular Biology Research Communications. 9(4) , 173-180.

Shahbazi, S.*. Prediction and in silico validation of MYH7 gene missense variants in the Iranian population a bioinformatics analysis based on Iranome database. 2020. Egyptian Journal of Medical Human Genetics. 21(1),17.

Behroozi, J., **Shahbazi, S.***, Bakhtiarizadeh, M.R., Mahmoodzadeh, H. ADAR expression and copy number variation in patients with advanced gastric cancer. 2020. BMC Gastroenterology. 20(1),152.

Rezai, M., **Shahbazi, S.** *, Mansournia, N.Plasma miR-126 levels and its genomic polymorphism SNP rs4636297 in Type 2 diabetes. 2020. Asia-Pacific Journal of Molecular Biology and Biotechnology. 28(1), pp. 27-33

Shahbazi, Z., **Shahbazi, S**., Rahimi, H., Mahdian, R.Distribution of Disease-Causing Mutations through Different Protein Domains in Patients with Severe Combined Immunodeficiency. 2019. Archives of Medical Laboratory Sciences; Volume 5(4),1-7.

Shahbazi, Z., Yazdani, R., Shahkarami, S., **Shahbazi, S.**, Hamid, M., Sadeghi-Shabestari., et al .Genetic mutations and immunological features of severe combined immunodeficiency patients in Iran. 2019. Immunology Letters. 216, pp. 70-78.

Shahbazi, Z., Parvaneh, N., **Shahbazi, S**., Rahimi, H., Hamid, M., Shahbazi, D. et al .Graft versus host disease and microchimerism in a JAK3 deficient patient. 2019. Allergy, Asthma and Clinical Immunology. 15(1),47.

Mashayekhi, A., **Shahbazi, S**. *, , Omrani, M. Functional and molecular characterization of C91S mutation in the second epidermal growth factor-like domain of factor VII. 2018. Iranian Journal of Biotechnology. 16(1),e1813, pp. 74-80

Mashayekhi, A., **Shahbazi, S**., Omrani, M., Mahdian, R. In vitro expression of mutant factor VII proteins and characterization of their clinical significance. 2018. Molecular Medicine Reports. 17(2), pp. 2738-2742.

Emrahi, L., Behroozi, J., **Shahbazi ,S**.*. Expression study of CYP19A1 gene in a cohort of Iranian leiomyoma patients. 2018. Egyptian Journal of Medical Human Genetics 19(3), pp. 197-200.

Yazdanpanahi, N., Etemadifar, M., Kardi, M.T., Shams, E., **Shahbazi, S**. Investigation of ERG Gene Expression in Iranian Patients with Multiple Sclerosis. 2018. Immunological Investigations. 47(4), pp. 351-359.

Shahbazi, S.*, Mahdian, R., Karimi, K., Mashayekhi, A. Molecular Characterization of Iranian Patients with Inherited Coagulation Factor VII Deficiency. Balkan J Med Genet. 2017 Dec 29;20(2):19-26. doi: 10.1515/bjmg-2017-0027.

Zolfaghari N, **Shahbazi S**, Torfeh M, Khorasani M, Hashemi M, Mahdian R. Identification of Differentially Expressed K-Ras Transcript Variants in Patients With Leiomyoma. Reprod Sci. 2017 Oct; 24(10):1438-1443. doi: 10.1177/1933719116689596. Epub 2017 Jan 26.

Shahbazi S, Khorasani M, Mahdian R. Gene expression profile of FVII and AR in primary prostate cancer. Cancer Biomark. 2016 Sep 26;17(3):353-358.

Shahbazi S*. Nonsense-mediated mRNA decay among coagulation factor genes. Iran J Basic Med Sci. 2016 Apr;19(4):344-9. Review.

Molla-Kazemiha V, Bonakdar S, Amanzadeh A, Azari S, Memarnejadian A, **Shahbazi S**, Shokrgozar MA, Mahdian R. Real-time PCR assay is superior to other methods for the detection of mycoplasma contamination in the cell lines of the National Cell Bank of Iran. Cytotechnology. 2016 Aug;68(4):1063-80.

Shahbazi S*, Shahrabi-Farahani M. Evaluation of the correlation between body mass index and endometriosis among Iranian fertile women. Gynecol Endocrinol. 2016 Feb;32(2):157-60.

Behboudi-Gandevani S, Moghaddam-Banaem L, Shahbazi S, Ekhtesari F. Maternal rare inherited bleeding disorders and neonatal complications. J Obstet Gynaecol Res. 2016 Feb;42(2):172-7.

Shahbazi S*. Exploring the link between VDR rs2228570 and uterine leiomyoma in Iranian women. Egyp J Medi Hum Genet. 2016 Jan;17(1),115–118.

Shahbazi S*, Mashayekhi A, Fatahi N, Mahdavi MR. Association of ABO and Colton Blood Group Gene Polymorphisms with Hematological Traits Variation. Medicine (Baltimore). 2015 Dec;94(48):e2144.

Khori V, Amani Shalamzari S, Isanejad A, Alizadeh AM, Alizadeh S, Khodayari S, Khodayari H, **Shahbazi S**, Zahedi A, Sohanaki H, Khaniki M, Mahdian R, Saffari M, Fayad R. Effects of exercise training together with tamoxifen in reducing mammary tumor burden in mice: Possible underlying pathway of miR-21. Eur J Pharmacol. 2015 Oct 15;765:179-87.

Shahbazi S*, Fatahi N, Amini-Moghaddam S. Somatic mutational analysis of MED12 exon 2 in uterine leiomyomas of Iranian women. Am J Cancer Res. 2015 Jul 15;5(8):2441-6.

Farahani MS, **Shahbazi S***, Mahdian R, Amini-Moghaddam S. K-Ras 4A Transcript variant is up-regulated in eutopic endometrium of endometriosis patients during proliferative phase of menstrual cycle. Arch Gynecol Obstet. 2015 Jul;292(1):225-9.

Farahani MS, **Shahbazi S***, Moghaddam SA, Mahdian R. Evaluation of KRAS Gene Expression and LCS6 Variant in Genomic and Cell-Free DNA of Iranian Women With Endometriosis. Reprod Sci. 2015 Jun;22(6):679-84.

Bahari Tashe-Kabode H, **Shahbazi S***. Evaluation of *vwf* gene R2185Q allelic variant located on exon 37 in Iranian population. Scientific Journal of Iranian Blood Transfusion Organization. 2015; 12(1): 32-38.

Amani Shalamzari S, Agha-alinejad H, Alizadeh Sh, **Shahbazi S**, Kashani Khatib Z, Kazemi AR, Saei MA, Minayi N. The effect of exercise training on the level of tissue IL-6 and vascular endothelial growth factor in breast cancer bearing mice. Iran J Basic Med Sci 2014; 17: 231-236.

Mashayekhi M, **Shahbazi S***. Evaluation of the association between FGBrs1800790 and plasma fibrinogen levels. Sci J Iran Blood Transfus Organ 2014; 11(1): 48-55.

Madani S, **Shahbazi S***, Mahdian R, Alizadeh J, Salehi Z. Investigating the correlation between rs1049305 and rs10244884 polymorphisms of AQP-1 gene and menorrhagia in adolescents. J Shahid Sadoughi Univ Med Sci 2014; 21(6): 766-75.

Shahbazi S, Alavi S, Majidzadeh K, GhaffarPour M, Soleimani A, Mahdian R. BsmI but not FokI polymorphism of VDR gene is contributed in breast cancer. Med Oncol.2013.30:393.

Zakiani Roudsari M, **Shahbazi S**, Mahdian R, Baniahmad SF, Omidinia E. VWF gene expression analysis in type3 von willebrand disease patients using Real-time RT-PCR. Scientific Journal of Iranian Blood Transfusion Organization. Sci J Iran Blood Transfus Organ 2013; 9(4): 391-398.

Shahbazi S*, Moghaddam-Banaem L, Ekhtesari F. Ala FA. Impact of inherited bleeding disorders on pregnancy and postpartum hemorrhage. Blood Coagulation and Fibrinolysis. 2012, 23:603–607.

Shahbazi S, Baniahmad F, Zakiani-Roudsari M, Raigani M, Mahdian R. Nonsense mediated decay of VWF mRNA subsequent to c.7674-7675insC mutation in type3 VWD patients. Blood Cells Mol Dis. 15;49(1):48-52; 2012.

Shahbazi S*. Alavi S. Mahdian R. Classification of exon 18 linked variants of VWF gene in von Willebrand disease. International Journal of Molecular Epidemiology and Genetics. Int J Mol Epidemiol Genet.3(1):77-83;2012.

Alavi S. , **Shahbazi S***, Kamyab A.R., Mahdian R. Detection of VWF gene Q793X mutation in Von Wileberand Disease type 3 patients. Scientific Journal of Iranian Blood Transfusion Organization. 2012; 9(2): 104-113.

Shahbazi S* Alavi S. Mahdian R. Frequency Analysis of vWF Gene RsaI Polymorphism in Iranian von Willebrand Patients. Scientific Journal of Iranian Blood Transfusion Organization.9(1):1-7. 2012.

Shahbazi, S*, Mahdian, R. Evaluation of Weibel-Palade bodies role in von Willebrand Disease. The Scientific Journal of Iranian Blood Transfusion Organization. 7(27). 109-121.2010.

Kamyab AR. **Shahbazi, S.** Dibajnia, P. et al, Development and application of real-time quantitative PCR technique using SYBR-Green I in diagnosis of down syndrome. Yakhte. 2, 249-257, 2010.

Shahbazi, S. Mahdian, R. Lavergne, JM. et al, Molecular characterization of Iranian patients with type 3 von Willebrand disease. Haemophilia. 15(5) ,1058-64, 2009.

van Schooten, CJ. **Shahbazi, S.** Groot, E. et al, Von Willebrand Factor and Factor VIII are targeted to macrophages in liver and spleen in vivo. Blood, 112, 1704 – 1712, 2008.

Shahbazi, S. Lenting, P. Fribourg , C. et al, Characterization of the interaction between von Willebrand factor and Osteoprotegerin. Journal of Thrombosis and Haemostasis, 5, 1956 – 1962, 2007.

Kokhaei, P. Mahdian, R. Pak, F. **Shahbazi, S**. Flowcytometric assessment of monocyte-derived dendritic cell for tumor cell lysate uptake in chronic lymphocytic leukemia patients. J. Semnan university of medical sciences. 4. 29 – 37.2003.

b. *Papers Presented*

- Shahbazi S, Khorasani M. Expression analysis of CtBP2 gene in prostate cancer. 3nd International Congress of Nephrology and Urology. Kish,Iran. 6-8 Des 2017.

- Mahdian R, Shahbazi S, Khorasani M, Abolhasani M. the variation in the expression of miR-200 family target gens in clinical prostate cancer samoles. 3nd International Congress of Nephrology and Urology. Kish,Iran. 6-8 Des 2017.

- Shahbazi S . Oral presentation :MicroRNA expression in primary human trophoblast cells and exosomes. The 2nd International Congress on Reproduction (ISERB 2016). Tehran, Iran. 18-20 may 2016.

- Shahbazi S . The Association of Single Nucleotide Polymorphisms at the PON1 Gene with Susceptibility to Breast Cancer in Iranian Patients. 6th PAN ARAB Human Genetics Conference. January 21-23, 2016. Dubai, United Arab Emirates.

- Shahbazi S . Identification of SPOP gene somatic mutations in Iranian prostate cancer patients. 2nd International Congress of Nephrology and Urology.Tehran,Iran. 1-4 Aug 2016.

- Shahbazi S .The association of single nucleotide polymorphisms at the *PON1* gene with susceptibility to breast cancer in iranian patients. 6th Pan Arab Human Genetics Conference (PAHGC). United Arab Emirates. 21-23 Jan 2016.

- Shahbazi S, Noduzi V,Norozi M.R ,Mahdian R.TMPRSS2-ERG gene fusion frequently occurs in Iranian prostate cancer patients. International Conference of Personalized Medicine and Targeted Therapies in Cancer Sharjah, United Arab Emirates **.**31 Jan to 2nd Feb 2013.

- Noduzi V, Shahbazi S, Norozi M.R , Mahdian R. The expression of MAGI-2, a regulator of PTEN activity, is down regulated in prostate cancer. International Conference of Personalized Medicine and Targeted Therapies in Cancer Sharjah, United Arab Emirates **.**31 Jan to 2 Feb 2013.

- Shahbazi S, Mahdian R, Zakiani-Roudsari M, Alavi S. VWF gene expression analysis in a type3 von Willebrand disease family. World Federation of Haemophilia Congress. Paris. France. Poster. 2012.

- Mahdian R, Shahbazi S , Alavi S, Zakiani-Roudsari M, Detection of VWF gene Q793x mutation in type 3 von Wileberand disease patients. World Federation of Haemophilia Congress. Paris. France. Poster. 2012.

- Shahbazi,S. Mahdian, R. Soleimani, A. Majidzade, K. Vitamin D receptor gene polymorphism in iranian breast cancer patients. 21st Asia Pacific Cancer Conference. Kuala Lumpur, Malaysia. Oral. 2011.

- Shahbazi, S. Mahdian, R. Zakiani, M. Alavi,S. Characterization of vWF gene expression following 1110-1G/A mutation in a type3 Von Willebrand. Human Genome Metting. Dubai.UAE. Poster.2011.

- Shahbazi, S. Mahdian, R. Ala,FA. et al. Molecular characterization of Iranian patients with type 3 von Willebrand disease. European Human Genetics Conference. Gothenburg, Sweden. Poster. 2010.

- Mahdian, R. Shahbazi, S. Kamyab AR. Comparison of Real-time PCR assay to QF-PCR and karyotyping for prenatal diagnosis of Down syndrome. 15th international conference on prenatal diagnosis and therapy, Amsterdam, Netherlands. Poster. 2010.

- Shahbazi, S. Mahdian, R. Ala,FA. et al. Molecular characterization of Iranian patients with type 3 von Willebrand disease. A Regional Haemophilia Meeting. Esfahan, Iran. Oral. 2009.

- Christophe, O. Shahbazi, S. Lenting, P. et al. Characterization of the interaction between von Willebrand factor and Osteoprotegerin. XXIst Congress of the International Society on Thrombosis and Haemostasis. Geneva, Switzerland. Poster. 2007.

- Shahbazi,S. Denis, CV. Christophe, O. New aspects of Von Willebrand Factor function. Annual symposium of "Ecole doctoral B2T" Paris, France. Oral. 2006.

- Shahbazi, S. Denis, CV. Christophe, O. Characterization of the interaction between von Willebrand factor and osteoprotegerin. 3rd annual congress of the French Atherosclerosis Society. Biarritz, France. Poster. 2006.

- Shahbazi,S. Denis, CV. Christophe, O. Role of von Willebrand factor in smooth muscle cells proliferation. 2rd annual congress of the French Atherosclerosis Society. Biarritz, France. Poster. 2005.

- Mehdipour, P. Atri, M. Shahbazi, S. Linking the polymorphic androgen receptor CAG repeat in pedigrees with familial and non familial breast cancer. Familial cancer congress. Madrid, Spain. Poster. 2004.

- Ghodsi, M. Nasri, R. Hosseini,S. Shahbazi,S. et al. Screening of p53 in pedigrees with brain cancer in Iran. The first International Congress of Cancer Genetics (UICC). Tehran, Iran. Oral. 2003.

Teaching experiences

- Medical genetics
- Advanced molecular genetics
- Genetic engineering and biotechnology
- Biochemical genetics
- Cancer genetics