

## Curriculum Vitae

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**Surname:** Faam  
**Name:** Bita  
**Gender:** Female  
**Marital status:** Married  
**Birth date:** December 17, 1983  
**Nationality:** Iranian  
**phone:** +98 21 22 43 2500-08 (ext.419)  
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**Work Address:** Cellular and Molecular Research Center, Research Institute for Endocrine Sciences, Shahid Beheshti University of Medical Sciences, No.24, Parvaneh St. Evin, Tehran, Iran

### Educational background

Degree	Major	University	Date
BSc	Biology	Shahid Beheshti Uni (Tehran, IRAN)	2005-2009
MSc	Biochemistry	Payam Noor Uni.(Tehran, IRAN)	2009-2012
PhD student	Molecular medicine		2014-now

### Computer Skill:

- Microsoft Office (Word, Excel, Access, PowerPoint)
- Gene Runner, C<sup>++</sup>
- Citation Management software's such as End Not.
- Statistical Analysis software's such as SPSS, Merlin, Fbat, SOLAR, STATA, and R program.
- Pedigree drawing software's such as Progeny, Genopro.
- Gene Fragment Analysis Software such as Gene Marker, Power Marker.
- Vector NTI
- Pearl primer
- Meth primer

**Professional Qualification:**

<b>Position</b>	Researcher
<b>Employer</b>	Cellular and Molecular Research Center, Research Institute for Endocrine Sciences, Shahid Beheshti University of Medical Sciences, Tehran, Iran.
<b>Date</b>	2013-now
<b>Position</b>	Member of editorial team
<b>Employer</b>	Joundi shapoor Journal
<b>Date</b>	2013-now
<b>Position</b>	Researcher
<b>Employer</b>	obesity Prevention and Treatment Research Center, Research Institute for Endocrine Science, Shahid Beheshti University of Medical Science
<b>Date</b>	2010- 2013
<b>Position</b>	Member of Iranian Genetics Society
<b>Date</b>	2010- now
<b>Position</b>	Lab Technicians
<b>Date</b>	2009
<b>Position</b>	Member of Iran Biochemistry team
<b>Date</b>	2009-2010
<b>Position</b>	Investigator for DNA bank
<b>Date</b>	2009

**Laboratory experiences:**

1. DNA, RNA, miRNA extraction
2. cDNA Synthesis
3. Semi-quantitative RT-PCR
4. RFLP- PCR, ARMS-PCR
5. Real-time RT-PCR
6. Electrophoresis of nucleic acids
7. Primer designing
8. Cellular culture
9. ELISA
10. MSP
11. DNA methylation
12. miRNA expression

## *Publications*

### *Published*

#### *International:*

1. Daneshpour MS, Zarkesh M, Hedayati M, Halalkhor S, **Faam B**, Azizi F, Genetic analysis of G360T polymorphism in the APO AIV gene: association with Combined HDL/LDL- Cholesterol Phenotype in TLGS. International J of Endocrinology and metabolism, 2010. Vol8 (1); 32-8.
2. Daneshpour M, **Faam B**, Hedayati M, Eshraghi P, and Azizi F. ApoB (XbaI) polymorphism and lipid variation in Teharnian population. Eurpean J of lipid science and technology, 2011. Vol 113(4); 436-40.
3. Vakili A, **Faam B**, Daneshpour MS, Hedayati M. Azizi F. Variants of the CD36 gene and metabolic syndrome in Iranians. Genetic Test Mol Biomarkers, 2012. Vol16(4); 234-8.
4. Daneshpour MS, **Faam B**, Mansournia MA, Hedayati M, Halalkhour S, Mesbah-Namin A, Zarkesh M, Azizi F. Haplotype analysis of ApoAI\_CIII\_AIV gene cluster and lipid level:TLGS. Endocrine Journal, 2012. Vol41 (1); 103-10.
5. **Faam B**, Daneshpour M, Azizi F, Salehi M, Hedayati M. Association between TPO gene polymorphisms and Anti-TPO level in Tehranian population: TLGS. GENE Journal, 2012. Vol 498(1);116-9.
6. **Faam B**, Amuzegar A, Arzhan S, Ghanbarian A, Delshad M, Hossein Panah F. Association between physical activity and metabolic risk factors in adolescents: Tehran Lipid and Glucose Study. Int J Prev Med, 2013. Vol4 (9); 1011-7.
7. Zarkesh M, Daneshpour M, **Faam B**, Hedayati M, Azizi F. Is there any association of apolipoprotein E gene polymorphism with obesity status and lipid profile? Tehran Lipid and Glucose Study. Gene J, 2012. Vol509(2); 282-5.
8. **Fam B**, Hosseinpanah F, Ghanbarian A, Amuzegar A, Sarvghadi F, Azizi F. Lesure-Time Physical Activity and its Association with Metabolic Risk Factors in Adults: TLGS. Prev Chronic Dis, 2013.Vol10.
9. Zarkesh M, **Faam B**, Daneshpour MS, Azizi F, Hedayati M. Relationship between Metabolic Syndrome, Cardio Metabolic Risk Factors, and Inflammatory Markers in

- Tehranian Population: Tehran Lipid and Glucose Study. Intern Med, 2012. Vol51(24); 3329-35.
10. Zarkesh M, Daneshpour M, **Fam B**, Falah M.S, Hossein zadeh N, Giuty K, Hossein panah F, Momenan A.A, Azizi F. Heritability of the metabolic syndrome and its components in the Tehran Lipid and Glucose Study (TLGS). Genet Res (Comb), 2012. Vol 94(6); 331-7.
  11. **Faam B**, Daneshpour MS, Hedayati M, Halalkhor S, Mansournia MA, Zarkesh M, Azizi F. The age effect on the association between the scavenger receptor class B type I (SR-BI) polymorphism and HDL-C level: Tehran Lipid and Glucose Study. Endocr Res, 2014. Vol 39(3);91-3.
  12. **Faam B**, Zarkesh M, Fallah M, Hosseinzadeh N, Guity K, Hosseinpanah F, Hosseinpour-Niazi S, Momenan AA, Azizi F, Daneshpour M. Heritability of Obesity-Related Variables in Tehran Families: Tehran Lipid and Glucose Study. Scimetr, 2014. Vol 2(4).
  13. **Faam B**, Zarkesh M, Daneshpour MS, Azizi F, Hedayati M. The association between inflammatory markers and obesity-related factors in Tehranian adults: Tehran lipid and glucose study. Iran J Basic Med Sci, 2014. Vol 17(8); 577-82.
  14. **Faam B**, Ghaffari MA, Ghadiri A, Azizi F. Epigenetic modifications in human thyroid cancer. Biomed Rep, 2015. Vol 3(1); 3-8.

### **National:**

15. **Faam B**, Hajihoseini R, Daneshpour MS, Azizi F, Hedayati M. Association of A1936/G Exon11 Polymorphism of Thyroid peroxidase gene with Anti-TPO Level in an Iranian population. Iranian J of Endocrinology and Metabolism, 2010. Vol 49(12); p. 60-64.
16. **Faam B**, Daneshpour MS, Sharifi K, Delbarpour A, Azizi F, Hedayati M. Association of T2229C exon12 Polymorphism of Thyroid peroxidase gene with Anti-TPO Level in an Iranian Population, Zanjan Medicine J, 2010. Vol 19(74); 37-43.
17. Sharifi K, Hajihoseini R, Rostami F, **Faam B**, Daneshpour MS, Azizi F, Hedayati M. Association of TNF $\alpha$  238 polymorphism with obesity in Iranian population, Razi Journal, 2010. Vol 18(86); 39-48.

18. Sharifi K, Hajihoseini R, Rostami F, *Faam B*, Daneshpour MS, Azizi F, Hedayati M. Association of TNF $\alpha$  308 polymorphism with obesity in Iranian population. Iranian J of Endocrinology and Metabolism, 2010. Vol 12(3); 243-50.
19. Daneshpour MS, *Faam B*, Hedayati M, Delbarpour A, Azizi F. presence of the X<sup>+</sup> allele in apolipoprotein B gene increase the total cholesterol and Apo lipoprotein B concentration in Tehranian people. Iranian J of Endocrinology and Metabolism, 2010. Vol 12(6); 588-93.
20. Daneshpour MS, *Faam B*, Mansournia MA, Hedayati M, Halalkhour S, Mesbah-Namin A, Zarkesh M, Azizi F. Haplotype analysis of ApoAI\_CIII\_AIV gene cluster and lipid level: TLGS. Iranian J of Endocrinology and Metabolism, 2012. Vol 13(5); 504-13.
21. Vakili A, *Faam B*, Daneshpour MS, Hedayati M. Azizi F. Variants of the CD36 gene and metabolic syndrome in Iranians. Iranian Journal of Endocrinology and Metabolism, 2012. Vol 15(1); 86-93.
22. *Faam B*, Amuzegar A, Arzhan S, Ghanbarian A, Delshad M, Hossein Panah F, Azizi F. Association between physical activity and metabolic risk factors in adolescents: Tehran Lipid and Glucose Study. Lipid and Diabetes J, 2012. Vol11 (1); 78-86.
23. *Faam B*, Daneshpour M, Azizi F, Salehi M, Hedayati M. Thyroid Peroxidase Gene Polymorphisms and Anti-TPO level in Tehranian Adults. Razi Journal, 2012. Vol19(95); 10-15.
24. *Faam B*, Hosseinpanah F, Ghanbarian A, Amuzegar A, Sarvghadi F, Azizi F. Association between Lesure-Time Physical Activity and Metabolic Risk Factors in Tehranian Adults: TLGS. Iranian J of Endocrinology and Metabolism, 2012. Vol14 (4); 335-342.
25. Zarkesh M, *Faam B*, Daneshpour M, Azizi F, Hedayati M. Association between Metabolic Risk Factors and Inflammatory Markers in Adults: Tehran Lipid and Glucose Study. Iranian Journal of Diabets and Lipid Disorders, 2013. Vol 12(6); 564-573.
26. Soheilian M, Khanafari A, *Faam B*, Hedayati M. Association between Consuming Probiotic Yoghurt and Thyroid Hormones in Male Wistar Rats. Iranian J of Endocrinology and Metabolism, 2013. 15(5); 430-34
27. Faam B, Zarkesh M, Daneshpour M, Azizi F, Hedayati M. Association between abdominal obesity and hs-CRP, IL-6 and Hcy in Tehranian adults: TLGS. Iranian Journal of Diabetes and Metabolism, 2014. Vol 13 (2).

## **Submitted (National & International)**

1. **Faam B**, Hoghooghi Rad L, Hedayati M. Thyroid peroxidase gene polymorphisms and autoimmune thyroid disease. Indiana journal of human genetic, 2015.
2. **Faam B**, Hoghooghi Rad L, Hedayati M. Genetic variations of thyroid peroxidase in thyroid diseases. Molecular and Biochemical Diagnosis (Journal), 2015 (accept).
3. **Faam B**, Daneshpour M, Azizi F, Hedayati M. Apo lipoprotein B polymorphisms and cardiovascular disease. Endocrine Research Journal, 2015.
4. Soheilian M, **Faam B**, Chary AR, Khanafari A, Hedayati M. Effects of Probiotic Yoghurt on Body Weight and Thyroid Hormones in Wistar Rats. The journal of Veterinary Medical Sciences, 2015.
5. **Faam B**, Emam F, Ghaffari MA, Azizi F. DNA methylation mechanism and its role in thyroid tumorigenesis, Razi Journal, 2015.
6. **Faam B**, Asieh Zahedi, Hedayati M, Azizi F, Daneshpour M. Association between SR-BI exon1 (G→A) polymorphism and lipid profile in Tehran population: Tehran Lipid and Glucose study. Lipid and Diabetes Journal, 2015.
7. **Faam B**, Zarkesh M, Fallah MS, Hossein Zadeh N, Azizi, F, Daneshpour M. The heritability of obesity variables in Tehranian families: Tehran Lipid and Glucose Study, Lipid and Diabetes Journal, 2015.

## **Congress presentation**

### **Oral:**

1. **Faam B**, Atashin Sadaf E, Salehi M, Daneshpour MS, Hedayati M. Association of A1936G exon11 and T2229C exon12 polymorphisms of thyroid peroxidase gene with Anti\_TPO level in Iranian population. The 8<sup>th</sup> International Congress of Endocrine Disorders (October 27-28)2009 Tehran, Iran.
2. **Faam B**, Amuzegar A, Arzhan S, Ghanbarian A, Delshad M, Hossein Panah F. Association between physical activity and metabolic risk factors in adolescents: Tehran Lipid and Glucose Study. The 3<sup>th</sup> Iranian prevention and treatment obesity congress (November 16-18) 2011 Tehran, Iran.

3. Hosseinpanah F, **Fam B**, Ghanbarian A, Amuzegar A, Sarvghadi F, Azizi F. Leisure-Tome Physical Activity and its Association with Metabolic Risk Factors in Adults: TLGS. The 9<sup>th</sup> International Congress of Endocrine Disorders (November 15-18) 2011. Tehran, Iran.

### **Poster:**

1. **Faam B**, Zarkesh M, Daneshpour MS, Hedayati M, Azizi F. Impact of Apo AIV genetic polymorphism on cholesterol and apo CIII level in Tehranians with or without Combined HDL/LDL Cholesterol Phenotype. 11<sup>th</sup> Iranian congress of genetic 2010. Tehran, Iran.
2. Daneshpour MS, Hedayati M, Eshraghi P, Zarkesh M, **Faam B**, Azizi F. Association of genetic variants of Apo B gene with Apo B and HDL<sub>2</sub> level in Tehranian individuals with or without Combined HDL/LDL-Cholesterol Phenotype. 11<sup>th</sup> Iranian congress of genetic 2010. Tehran, Iran.
3. Zarkesh M, **Faam B**, Daneshpour MS, Hedayati M, Halalkhor S, Azizi F. Association of genetic variants of Apo AIV gene with Apo B and HDL<sub>2</sub> level in Tehranian individuals with or without Combined HDL/LDL-Cholesterol Phenotype. European Conference of Human Genetics 2010. Gothenburg, Sweden.
4. Hedayati M, Daneshpour MS, Halalkhor S, Zarkesh M, **Faam B**, Azizi F. Association of genetic variants of ABCA-I gene with obesity related variable in Tehranian individuals with or without Combined HDL/LDL-Cholesterol Phenotype. International conference of obesity 2010. Stockholm.
5. Daneshpour MS, **Faam B**, Zarkesh M, Hedayati M, Azizi F. Association of genetic variants of Apo E gene with TG, Apo B and LDL-C in Tehranian individuals with or without Combined HDL/LDL Cholesterol Phenotype. 11<sup>th</sup> International Congress on Obesity 2010. Stockholm.
6. Daneshpour MS, **Faam B**, Hedayati M, Halalkhor S, Mesbah AS, Zarkesh M, Azizi F. Genetic risk for metabolic syndrome: examination of apo lipoprotein CIII gene polymorphism related to lipid.
7. Vakili A, **Faam B**, Daneshpour MS, Hedayati M, Azizi F. Variants of the CD36 gene and metabolic syndrome in Iranians. European Conference of Human Genetics 2011, Amsterdam.
8. Daneshpour MS, **Faam B**, Hedayati M, Azizi F, The age affects interaction between SRB-I polymorphism and HDL-C level: Tehran Lipid and Glucose Study. Iranian Genetics Congress 2011. Tehran. Iran.

9. Daneshpour MS, **Faam B**, Mansournia MA, Hedayati M, Halalkhour S, Mesbah A, Shojai Sh, Zarkesh M, Azizi F. Haplotype analysis of ApoAI\_CIII\_AIV gene cluster and lipid level:TLGS. 9<sup>th</sup> international Congress on Coronary Artery diseases (ICCAD). Venice, Italy, October 23-26, 2011.
10. Zarkesh M, Danesh pour M, **Faam B**, Hossein Zadeh N, Giuty K, Momenan AB, Hossein Panah F, Azizi F. Estimated heritability of the metabolic syndrome components in the Tehranian families: Tehran Lipid and Glucose Study (TLGS)'. European Conference of Human Genetics 2012. June 23-26, 2012, Nürnberg, Germany.
11. **Faam B**, Zarkesh M, Daneshpour M, Fallah MS, Hossein Panah F, Azizi F. ESTIMATED HERITABILITY OF OBESITY-RELATED VARIABLES AMONG THE TEHRANIAN FAMILIES; TEHRAN LIPID AND GLUCOSE STUDY (TLGS). 5th International Congress on Prediabetes and the Metabolic Syndrome Vienna, Austria, April 18-20, 2013.
12. **Faam B**, Zarkesh M, Daneshpour M, Azizi F, Hedayati M. ARE THE INFLAMMATORY MARKERS ASSOCIATED WITH CARDIO METABOLIC RISK FACTORS IN THE TEHRAN LIPID AND GLUCOSE STUDY POPULATION? 5th International Congress on Prediabetes and the Metabolic Syndrome Vienna, Austria, April 18-20, 2013.
13. **Faam B**, Ghaffari MA, Ghadiri A, Amouzegar A, Fanaei A, Azizi F. The review of epigenetic modification in human thyroid cancer. Eshg, May 2014.
14. Soheilian, M, **Faam B**, Khanafari A, Hedayati M. Probiotic yougurt and its impact on the thyroid hormones and body weight in Wistar rats. The 10<sup>th</sup> International congress of endocrine disorders, 22-24 October 2014.
15. **Faam B**, Amouzegar A, Emam F, Fanaei A, Hedayati M, Azizi F. Differentiate thyroid cancer from benign nodules using thyroid hormones and TSH levels in Iranian population, The 10<sup>th</sup> international congress of endocrine disorders. 22-24 October, 2014.
16. **Faam B**, Hoghooghi Rad L, Hedayati M. Thyroid peroxidase gene polymorphisms and autoimmune thyroid diseases. 1<sup>st</sup> international genetic congress, 2014.

### ***Running projects***

#### **Investigator:**

1. Association of 8 SNPs in Fat mass and obesity (FTO) associated Gene with children obesity in TLGS Study families.
2. Association of 5 SNPs in Melanocortin receptor 4 (MC4R) associated Gene with Children Obesity in TLGS study Family.



3. Assessing the Differences in the Heritability of Obesity-Related Factors during Childhood and Association with FTO Gene Variants among the Families of the Tehran Lipid and Glucose Study.
4. Association study of rs1111875, rs7923837 and rs5015480 polymorphisms of the HHEX gene with type 2 diabetes in Iranians.
5. Thyroid peroxidase Gene Expression Analysis in Thyroid Tissue of Hashimoto and Normal Individuals Using Real-Time PCR Assay.
6. DNA methylation pattern in promoter region of TTF-1 gene in thyroid cancers.
7. Comparative study of the PAX8 gene expression in thyroid cancer and benign nodules.
8. Assessing and Comparing the Oxidative Index in Thyroid Cancers.
9. Assessing and comparing the methylation pattern of RAP1GAP gene in thyroid cancer cells and benign nodules.

### **Co-investigator:**

- 1) Association Study of thyroid peroxidase gene polymorphisms with Anti-TPO level in Tehran Lipid and Glucose Study (TLGS).
- 2) Association study of rs 13246513 and rs10499859 polymorphisms of CD36 gene, in metabolic syndrome patients: Tehran Lipid and Glucose study.
- 3) Retrieving determining and registration of characteristics and intra\_ familial relationship among the families participating in Tehran Lipid and Glucose Study (TLGS).
- 4) Genome Wide Scan of Chronic Autoimmune thyroiditis in Iranian population.
- 5) Determination of the prevalence of MODY and identification of glucokinase gene mutations among the under 30 year age participants in TLGS with newly diagnosed diabetes.
- 6) Evaluation of the association between Myocardial Infarctus and Cardiovascular disease and ApoE Gene Polymorphisms.
- 7) Association between FTO Gene polymorphisms and obesity in TLGS study families.
- 8) Association between 5 Single Nucleotide Polymorphism (SNP) of Cholesterol Ester Transfer Protein (CETP) gene with low HDL-C levels in Syndrome Metabolic families of Tehran Lipid and Glucose Study (TLGS).

- 9) FTO gene expression analysis in adipose tissue of obese and overweight individuals using Real-time PCR assay.
- 10) Validation and replication of genome- wide association studies to identify putative novel loci associated with chronic autoimmune thyroiditis in an Iranian population.
- 11) Replications of local from genome- wide scan of autoimmune thyroid disease in Iranian population.
- 12) Association study of rs1111875, rs7923837 and rs5015480 polymorphisms of the HHEX gene with type 2 diabetes in Iranians.
- 13) Association between rs5219 in KCNJ11, rs10946398 in CDKAL1 and rs4402960 in GF2BP2 polymorphisms and type 2 diabetes: TLGS.
- 14) Association between rs5219 in KCNJ11, rs10946398 in CDKAL1 and rs4402960 in GF2BP2 polymorphisms and type 2 diabetes : TLGS

### ***Workshops***

- ✓ Western blotting workshop. Skin Research Center, Shahid Beheshti University of Medical Sciences, Tehran, Iran. 2014.
- ✓ Epigenetic workshop. Ruyan Institute, 2014.
- ✓ Methylation Specific PCR workshop, Ruyan Institute, Tehran, Iran, 2014.
- ✓ Cell culture, Cellular and Molecular Research Center of Jondi Shapour Medicine University, 2013
- ✓ Bio Informatics work shop, Cellular and Molecular Research Center of Jondi Shapour Medicine University, 2013
- ✓ Real-Time PCR Pasteur institute summer school work shop, 2012.
- ✓ Primer designing, Pasteur institute summer school work shop, 2012.
- ✓ Genome sequencing, Pasteur institute summer school work shop, 2012
- ✓ Schedule of Logistic Regression Modeling for Longitudinal Studies. 2012
- ✓ Who to use the longitudinal data: studies from Tehran Lipid and Glucose Study, 2011
- ✓ Scientific Participation Workshop, 2011
- ✓ Survival analyses based on the TLGS study, 2011
- ✓ English Article Writing, 2011
- ✓ Sequencing (pastour Institute Summer School), 2011
- ✓ Real-Time work shop (Pastour Institute Summer School) 2011.
- ✓ Work shop of primer design (Pastour Institute Summer School) 2011.
- ✓ Work shop of Tehran Lipid and Glucose Study, 2011.
- ✓ Workshop of EndNote, 2010.

- ✓ Workshop of research methodology, 2009.
- ✓ Work shop of paper writing, 2008.