

Curriculum Vitae

2010

Maryam S Daneshpour

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Educational Background

PhD in Molecular Genetic

2009

National Institute for Genetic Engineering and Biotechnology; Tehran university.

Thesis Title: 'The association of the low HDL-C level with 8(q22.1-q24.3), 11(q23.3-q25), 12(q13.12-q15), 16(q23.3-q24.3) chromosomal region in metabolic syndrome family'

Under Supervision of Dr Fereidun Azizi and Dr Masoud Houshmand

Master of Sciences in Cell & Molecular Biology

2004

Khatam University ,Tehran Iran

Thesis Title: 'Association between the cholesteryl ester transfer protein TaqI polymorphism and low HDL-C concentration in Iranian population ' Under Supervision of Dr Azizi

Bachelor of Sciences in Laboratory Science; 1999

Shahid Beheshti University of Medical Sciences Tehran ,Iran

Associate Degree in Laboratory Science

Shahid Beheshti University of Medical Sciences Tehran ,Iran

Professional Background

2005 - present

Supervisor/investigator in DNA banking project for 15,000 samples in Tehran Lipid and Glucose Study (TLGS)

Research Institute for Endocrine Sciences, Shahid Beheshti University of Medical Sciences. Tehran, Iran

<http://endocrine.ac.ir/English/Home.aspx>

2004 - present

Head of molecular biology lab in Endocrine Research Center

Supervisor of any project that is related to molecular biology

Research Institute for Endocrine Sciences, Shahid Beheshti University of Medical Sciences , Tehran, Iran

1995 - 2004

Lab Technicians

Research Institute for Endocrine Sciences, Shahid Beheshti University of Medical Sciences , Tehran, Iran

1995 - present

Member of Iodine Deficiency Disorders (IDD) team:

Train Omani team for Urine Iodine measurement in Oman

Train Afghanistan team for Urine Iodine measurement in Iran

Best researcher in Shahid Beheshti University of Medical Sciences; **2008**
Best researcher in Research Institute for Endocrine Sciences; **2007**

Awards

Iran National Science Foundation under grant No: 83076; "Genetic and molecular biology projects in the Tehran Lipid and Glucose Study" **2007**
Iranian medicine network, grant No: 183; DNA Bank for Tehran Lipid and Glucose study project **2006**

Grants

Joint research project with Faculty of Allied Health Sciences in Kuwait University and Centre of Biotechnology of Sfax, Tunisia **2007-2009**

Language

English (Holder of Academic IELTS certificate), **Farsi** (Mother Tongue)

Research experience

- Advanced research methodology
- Computer skills: ICDL skills, C++, End note
- Lab techniques:
 - Immunochemical Techniques (Enzyme, Radio, Chemo Luminescence and, Florescence Labeled Immunoassay)
 - Photometrical Techniques (UV, Visible, Atomic Absorption, Flame, Autoanalyzer)
 - Electrophoresis of proteins and nucleic acids (Agarose, Poly Acryl Amid)
 - DNA&RNA Extraction, cDNA Synthesis
 - PCR, Primer design, RFLP PCR, Multiplex PCR, ARMS PCR, Reverse dot blot, Real time PCR, Fragment analysis, sequencing.
- Bioinformatics
 - Work with some related program: gene runner, Progeny, Cyrilic, GeneMarker V1.6, Pedcheck, GenoPro, Genemapper, Peak-scanner, PowerStatsV12, Powermarker v3.25, Makeped, makeped, linkage.....
 - Work with some related databases: gene alignment, NCBI, blast, Pub med, genome data base (GDB), hapmap....
- Statistical Software:
 - SAGE, SPSS, R, FBAT, TDT, Merlin

Publications

- **International:**
 1. **Daneshpour MS**, Alfadhli S, Houshmand M, Zeinali S, Hedayati M, Zarkesh M, Momenan AA, and Azizi F, Allele frequency distribution data for D8S1132, D8S1779, D8S514, and D8S1743 in four ethnic groups in relation to metabolic syndrome: Tehran Lipid and Glucose Study. *Biochem Genet* 2009 47(9-10) 680-7.
 2. **Daneshpour MS**, Hedayati M, and Azizi F, Hepatic lipase C-514T polymorphism and its association with high-density lipoprotein cholesterol level in Tehran. *Eur J Cardiovasc Prev Rehabil* 2006 13(1) 101-3.
 3. **Daneshpour MS**, Hedayati M, and Azizi F, TaqI B1/B2 and -629A/C cholesteryl ester transfer protein (CETP) gene polymorphisms and their association with CETP activity and high-density lipoprotein cholesterol levels in a Tehranian population. Part of the Tehran Lipid and Glucose Study (TLGS). *Genetics and Molecular Biology* 2007 30 (4)(1039-1046.
 4. Eshraghi P, Hedayati M, **Daneshpour MS**, Mirmiran P, and Azizi F, Association of body mass index and Trp64Arg polymorphism of the beta3-adrenoreceptor gene and leptin level in Tehran Lipid and Glucose Study. *Br J Biomed Sci* 2007 64(3) 117-20.
 5. Hedayati M, Ordoorkhani A, **Daneshpour MS**, and Azizi F, Rapid acid digestion and simple microplate method for milk iodine determination. *J Clin Lab Anal* 2007 21(5) 286-92.
 6. Hedayati M, Tajic A, **Daneshpour MS**, and Kazemi A, Simple method for revealing of false negative results of urine morphine caused by adulterants. *Journal of Substance Use* 2008 13(5)

7. Azizi F, Ghanbarian A, Momenan A, Hadaegh F, Mirmiran P, Hedayati M, Mehrabi Y, Zahedi-Asl S, Ainy E, Allahverdian S, Amirshakari G, Arshadi A, Askari S, Atifeh M, Azimzadeh I, Azizi T, Daneshpour M, Emami H, Eskandari F, Fakhimi T, Ghanbili M, Ghazi A, Habibian S, Hajibabai M, Hajipour R, Harati H, Heydarian P, Hosseini F, Hosseinpanah F, Janghorbani M, Kalhor Y, Majid M, Malekafzali H, Mehrabani H, Mirhosseini M, Moeini A, Mojarad M, Nemati K, Noori A, Padyab M, Rahmani M, Saadat N, Saadati N, Sadegholvad M, Sarbazi N, SarrafZadeh A, Shafiei N, Shiva N, Tohidi M, and Zabetian A, Prevention of non-communicable disease in a population in nutrition transition: Tehran Lipid and Glucose Study phase II. *Trials* 2009 25 10-15.
8. **Daneshpour MS**, Hedayati M, Eshraghi P, Azizi F. Association of ApoE gene polymorphism with HDL level in a Tehranian population. *European Journal of Lipid Science and Technology*, 2010. 112(7): p. 810-816.
9. Halalkhor S, Mesbah A, **Daneshpour MS**, Hedayati M, and Azizi F, Association of ATP-binding cassette transporter-A1 polymorphism with apolipoprotein AI level in Tehranian population. *J of Genetic*, 2010. In press.
10. **Daneshpour MS**, Faam B, Hedayati M, Eshraghi P, and Azizi F, ApoB (XbaI) polymorphism and lipid variation in Teharnian population. *European Journal of lipid science and technology*, 2010. In press.
11. **Daneshpour MS**, Alfadhli S, Hooshmand M, Zeinali S, Hedayati M, Zarkesh M, and Azizi F, Allele frequency distribution for D11S1304, D11S1998 and D11S934 and metabolic syndrome in TLGS. *Eur J of Lipid Sciences and Technology*, 2010. In press.
12. **Daneshpour MS**, Zarkesh M, Hedayati M, Halalkhor S, Faam B, and 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. In press.

- **National:**

1. **Daneshpour MS**, Hedayati M, Azari F, Ghasemi F, and Azizi F, Association between the cholesteryl ester transfer protein_TaqI polymorphism and low HDL-C concentration in Tehran population. *Iranian Journal of Endocrinology & Metabolism* 2004 5(Supplement) 355-361.
2. **Daneshpour MS**, Hedayati M, Azari F, Ghasemi F, and Azizi F, Association of B2 allele frequency in CETP gene with low level of HDL-C in Tehran. *Journal of Iran University of Medical Science* 2005 11(43) 757-764.
3. **Daneshpour MS**, Hedayati M, and Azizi F, Association of the TaqI and -629C>A polymorphisms in CETP gene with low level of HDL-C in Tehran. *Pajouhesh Quarterly Reaearch journal* 2005 29(1) 13-17.
4. **Daneshpour MS**, Hedayati M, and Azizi M, Hepatic Lipase C-514T polymorphism and its association with HDL-C level in Tehran. *Kowsar Medical Journal* 2005 10(2) 135-142.
5. **Daneshpour MS**, Hedayati M, and Azizi M, Association between CETP activity and TaqI , -629C>A polymorphisms in CETP gene and HDL-C level in Tehran. *Iranian Journal of Endocrinology & Metabolism* 2005 7(4) 387-391.
6. **Daneshpour MS**, Hedayati M, and Azizi M, Hardy-Weinberg law and linkage disequilibrium analysis in the TaqI and -629C>A polymorphisms in CETP gene in Tehran. *Iranian Journal of Endocrinology & Metabolism* 2005 7(4) 399-403.
7. **Daneshpour MS**, Hedayati M, Eshraghi P, Hooshmand M, and Azizi F, Association of apolipoprotein E gene polymorphism and lipid level in an Iranian population: Tehran Lipid and Glucose study. *Iranian j of diabet and lipid* 2008 7(4) 399-405.
8. **Daneshpour MS**, Mehrabi Y, Hedayati M, Houshmand M, and Azizi F, A multivariate study of metabolic syndrome risk factors, using factor analysis: Tehran Lipid and Glucose. *Iranian Journal of Endocrinology & Metabolism* 2006 8(2) 139-146.
9. Eshraghi P, Hedayati M, **Daneshpour MS**, Mirmiran P, and Azizi F, Association of B3 adenoceptor polymorphism Arg64Trp and obesity in Tehran Lipid and Glucose Study. *Iranian Journal of Endocrinology & Metabolism* 2005 7(4) 393-398.
10. Eshraghi P, Hedayati M, **Daneshpour MS**, Mirmiran P, and Azizi F, Association of Trp64Arg Polymorphism of the β 3-Adrenoreceptor Gene, Body Mass Index and Serum Leptin Level in Tehran Lipid and Glucose Study *Journal of Iran University of Medical Science* 2007 14(56) 29-36.

11. Hedayati M and **Daneshpour MS**, Evaluation of HDL-c determination methods. Iranian Journal of Endocrinology & Metabolism 2005 7(4) 365-373.
12. Hedayati M, Hosseinpanah F, Sarveghadi F, Tohidi M, **Daneshpour MS**, Eshraghi P, and Azizi F, Association of Apolipoprotein E gene polymorphism and obesity in an Iranian population: Tehran Lipid and Glucose study. Iranian Journal of Endocrinology & Metabolism 2005 7(5) 85-90.
13. Hedayati M, Ordookhani A, **Daneshpour MS**, and Azizi F, Acid digestion and microplate reading method for milk Iodine determination. Iranian Journal of Endocrinology & Metabolism 2007 8(4) 357-363.
14. Hedayati M, Tajic A, **Daneshpour MS**, and Kazemi A, Simple method for revealing of false negative results of urine morphine caused by adulterants. Pajouhesh Quarterly Reearch journal 2005 23(2) 121-125.
15. Faam B, Hajihoseini R, **Daneshpour MS**, Azizi F, and M H, Association of A1936/G Exon11 Polymorphism of Thyroid Peroxidase Gene with Anti-TPO Levels in an Iranian Population. Iranian j of Endocrinology and Metabolism, 2010. 49(12): p. 60-64.
16. Atashi Shirazi H, Zarif Yeganeh M, Shafi'ie A, **Daneshpour MS**, Azizi F, and Hedayati M, Heterozygosity loss of TCO gene in Iranian families with heredity non-medullary thyroid carcinoma. Kowsar Medical Journal, 2010. 15(2): p. 83-87.
17. **Daneshpour MS**, Houshmand M, Zeinali S, Hedayati M, Zarkesh M, and Azizi F, Allele frequency of 12 microsatellites in chromosome 8, 11, 12 and 16 in Tehran lipid and glucose study Iranian j of Endocrinology and Metabolism, 2010. In press.
18. Akbarzadeh M, Alavi Majd H, Mehrabi Y, **Daneshpour MS**, Azizi F. Genetic Linkage Analysis of HDL-C in 91 Iranian families with metabolic syndrome with Haseman-Elston Regression methods. J of Army university, 2010. 7(4(28)).
19. Akbarzadeh M, Alavi Majd H, Mehrabi Y, **Daneshpour MS**, Azizi F. Multivariate Two Level Haseman-Elston Regression and its application in Genetic Linkage Analysis of HDL-C, Triglycerides and Waist in 91 Iranian families with metabolic syndrome Koomesh j of Semnan University, 2010. In press.
20. Zarkesh M, **Daneshpour MS**, Hedayati M, The relationship of human adenovirus-36 and obesity. Pajouhesh Quarterly Reearch journal, 2010. In press.
21. **Daneshpour MS**, Faam B, Hedayati M, Delbarpour A, Azizi F. Presence of the X+ allele in apolipoprotein B gene increase the total cholesterol and apolipoprotein B concentration in Tehranian people Iranian j of Endocrinology and Metabolism 2010; In press.
22. Hedayati M, Zarif Yeganeh M, **Daneshpour MS**, Delbarpour A, Azizi F. Commom mutation in exon 10 and 11 of RET protooncogen in medulary thyroid cancer in Iranian patient. kowsar Medical Journal 2010; 15.
23. Khazan M, Yaghmaei P, Behdadfar L, **Daneshpour MS**, Hedayati M. Microwave Digestion for Urine Iodine Determination iranain j of Endocrinology and Metabolism 2010; 12: 65-70.
24. Mofid B, Eshraghi P, **Daneshpour MS**, Hedayati M. Association between IVS4 polymorphism in PTEN gene with brest cancer in Iranian women. Pajouhesh Quarterly Reearch journal 2010; 33: 179-82.
25. Shojaei S, **Daneshpour MS**, Halalkhor S, Azizi F, Hedayati M. Allele Frequency of C-482T Polymorphism in Apolipoprotein CIII Gene in a Tehranian Population: Tehran Lipid and. iranain j of Endocrinology and Metabolism 2010; 12: 177-80.

- **Work Submitted for Publication**

1. **Daneshpour MS**, Suad Alfadhli, Massoud Houshmand, Sirous Zeinali, Mehdi Hedayati, Maryam Zarkesh, Fereidoun Azizi. Allele frequency distribution data for D12S1632, D12S329, D12S96, D16S3096 and D16S2624 in four ethnic groups in relation with metabolic syndrome: Tehran Lipid and Glucose Study. Experimental and clinical j of Endocrinology and metabolism.
2. **Daneshpour MS**, Ahmed Rebai, Massoud Houshmand, Suad Alfadhli, Sirous Zeinali, Mehdi Hedayati, Maryam Zarkesh, Fereidoun Azizi. 8q24.3 and 11q25 chromosomal loci association with low HDL-C in metabolic syndrome in Iranian families: New hopes for low HDL-C gene localization. J of Lipid Research.

Congress presentation:

- **Oral:**

1. **Daneshpour MS**, Hedayati M, Azizi F. 1st International Conference on Hypertension, Lipids, Diabetes and Stroke Prevention, Paris, France (March 30 - April 1) 2006
2. **Daneshpour MS**, Hedayati M, and Azizi F. 8th Iranian congress of Biochemistry and first international congress of Biochemistry & molecular biology, Tehran, Iran (September 11-15) 2005
3. **Daneshpour MS**, Hedayati M, Azari F, Ghasemi F, Azizi F. 7th International Congress of Endocrine Disorders, Tehran, Iran (October 7-10) 2004
4. **Daneshpour MS**, Rebai A, Houshmand M, Alfadhli S, Zeinali S, Hedayati M, Zarkesh M, and Azizi F. The 8th International Congress of Endocrine Disorders, Tehran, Iran (Oct 27-30) 2009
5. Eshraghi P, **Daneshpour MS**, Hedayati M, Azizi F. 16th European Congress on Obesity (ECO), Geneva, Switzerland (May 14-17) 2008
6. Eshraghi P, Hedayati M, **Daneshpour MS**, Mirmiran P, and Azizi F. 13th Asia-Oceania Congress of Endocrinology (AOCE), Tehran, Iran (May 10-12) 2006
7. Hedayati M, Ordoookhani A, **Daneshpour MS**, Azizi F. 13th Asia-Oceania Congress of Endocrinology (AOCE) Tehran, Iran (May 10-12) 2006
8. Rezaei-Ghaleh N, Hedayati M, **Daneshpour MS**, Etemadi A, and Azizi F. 13th Asia-Oceania Congress of Endocrinology (AOCE) Tehran, Iran (May 10-12) 2006
9. Atashi Shirazi H, Hedayati M, Shafiee A, **Daneshpour MS**, Azizi F. 13th Asia-Oceania Congress of Endocrinology (AOCE), Tehran, Iran (May 10-12) 2006
10. Akbarzadeh M, Alavi Majd H, Mehrabi Y, **Daneshpour MS**, Azizi F, Haseman-Elston Regression and its extension in 10th Iranian statistical conferences. 2010: Tbriz.

- **Poster:**

1. **Daneshpour MS**, Alfadhli S, Houshmand M, Zeinali S, Hedayati M, Zarkesh M, and Azizi F. 17th European Congress of Obesity, Amsterdam, Netherlands (May 5-8) 2009
2. **Daneshpour MS**, Behnami S, Hedayati M, and Azizi F. 11th European Congress of Endocrinology Istanbul, Turkey (April 25-29) 2009
3. **Daneshpour MS**, Eshraghi P, Hedayati M, Delbarpour A, and Azizi F. 14th Congress of the ASEAN Federation of Endocrine Societies, Kuala Lumpur, Malaysia (November 29-30) 2007
4. **Daneshpour MS**, Hedayati M, and Azizi M. 8th Iranian congress of Biochemistry and first international congress of Biochemistry & molecular biology, Tehran, Iran (September 11-15) 2005
5. **Daneshpour MS**, Hedayati M, Eshraghi P, and Azizi F. 16th European Congress of Obesity, Geneva, Switzerland (May 14-17) 2008
6. **Daneshpour MS**, Hedayati M, Eshraghi P, and Azizi F. 16th European Congress on Obesity, Geneva, Switzerland (May 14-17) 2008
7. **Daneshpour MS**, Houshmand M, Hedayati M, Alfadhli S, and Azizi F. 20th International Congress of Genetics, Berlin, Germany (July 12-17) 2008
8. **Daneshpour MS**, Houshmand M, Hedayati M, Alfadhli S, and Azizi F. European human genetics Barcelona, Spain (31 May- 3 June) 2008
9. **Daneshpour MS**, Mehrabi Y, Hedayati M, Houshmand M, and Azizi F. 13th Asia-Oceania Congress of Endocrinology (AOCE) Tehran, Iran (May 10-12) 2006
10. Hedayati M, **Daneshpour MS**, Eshraghi P, Delbarpour A, and Azizi F. 17th European Congress of Obesity Amsterdam, Netherlands (May 5-8) 2009
11. Hedayati M, **Daneshpour MS**, Halalkhor S, Eshraghi P, and Azizi F. 16th European Congress of Obesity, Geneva, Switzerland (May 14-17) 2008
12. Hedayati M, **Daneshpour MS**, Salehi M, and Azizi F. 11th European Congress of Endocrinology Istanbul, Turkey (April 25-29) 2009
13. Amiri P, **Daneshpour MS**, Hosseinpanah F, Padyam M, Rambod M, Mehrabi Y, Montazerei A, Zahedi-Asl S, and Azizi F. 14th Congress of the ASEAN Federation of Endocrine Societies, Kuala Lumpur, Malaysia (Nov 7-9) 2007
14. Amiri P, **Daneshpour MS**, Hosseinpanah F, Padyam M, Rambod M, Mehrabi Y, Montazerei A, Zahedi-Asl S, and Azizi F. 14th Congress of the ASEAN Federation of Endocrine Societies, Kuala Lumpur, Malaysia (Nov 7-9) 2007

15. Amiri P, **Daneshpour MS**, Rambod M, Hosseinpanah F, Padyab M, and Azizi F. 14th Congress of the ASEAN Federation of Endocrine Societies, Kuala Lumpur, Malaysia (Nov 7-9) 2007
16. Faam, B., M. Zarkesh, M. **Daneshpour MS**, Hedayati, and F. Azizi. Impact of ApoAIV genetic polymorphism on cholesterol and apo CIII level in Tehranians with or without Combined HDL/LDL-Cholesterol Phenotype. in 11th Iranian congress of genetic. 2010. Tehran, iran.
17. **Daneshpour MS**, M. Hedayati, P. Eshraghi, M. Zarkesh, B. Faam, and F. Azizi. Association of genetic variants of Apo B gene with Apo B and HDL2 level in Tehranian individuals with or without Combined HDL/LDL-Cholesterol Phenotype. in 11th Iranian congress of genetic. 2010. Tehran, Iran.
18. **Daneshpour MS**, N. Ahmadi, S. Behnami, and F. Hosseinpanah. Vitamin D receptor genetic polymorphism and bone mineral density in Iranian postmenopausal women. in European human genetic conference. 2010. Gothenburg, Sweden
19. Zarkesh, M., B. Faam, M. **Daneshpour MS**, and A.M. Mehdi Hedayati, Sohrab Halalkhor, Fereidoun Azizi. Association of genetic variants of Apo AIV gene with Apo B and HDL2 level in Tehranian individuals with or without Combined HDL/LDL-Cholesterol Phenotype. in European Conference of Human Genetics. 2010. Gothenburg, Sweden
20. Hedayati, M., **Daneshpour MS**, S. Halalkhor, M. Zarkesh, B. Faam, and F. Azizi. Association of genetic variants of ABCA-I gene with obesity related variable in Tehranian individuals with or without Combined HDL/LDL-Cholesterol Phenotype. in International conference of obesity. 2010. Stockholm
21. **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. in 11th International Congress on Obesity. 2010. Stockholm.
22. Hedayati M, **Daneshpour MS**, Halalkhor S, Mesbah A, Faam B, M. Zarkesh, and F. Azizi. Genetic risk for metabolic syndrome: examination of apolipoprotein CIII gene polymorphism related to lipid metabolism in Tehranian people. in 2th International of metabolic syndrome, obesity and diabetes. 2010. Iran, Zanjan.
23. Zarkesh M, M Daneshpour, M Hedayati, The association between human adenovirus-36 and obesity, in 2th Iranian Congress on Prevention and Management of Obesity. 2009: Tehran.

References:

1. Fereidoun Azizi, M.D., Professor of Internal Medicine and Endocrinology, Shahid Beheshti University (M.C), Tehran, Iran, PO Box 19195-4763, Tel: +98212409309, Fax: +98212402463, E-mail: azizi@endocrine.ac.ir
2. Sirous Zeinali PhD, Director of Iranian medicine network. Biotechnology Department, Pasteur Institute of Iran (IPI), No. 69, Pasteur Ave., Tehran 1316943551, Iran. Tel: (+98-21) 6695 3311-20. Home Tel: (+98-21) 6648 0780. Fax: (+98-21) 8893 9139. E-mail: zeinali@pasteur.ac.ir
3. Masoud Houshmand PhD. Associate Prof. Department of Medical Genetics, National Institute for Genetic Engineering and Biotechnology, Tehran, Iran. Box: 14965/161, Tel: (+98) 21 44580301-27 Fax: (+98) 21 44580399 E-mail: massoudh@nigeb.ac.ir and housh62@yahoo.com
4. Ahmed Rebai PhD, Professor in Centre of Biotechnology of Sfax, Tunisia Email: ahmed.rebai@cbs.rnrt.tn