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Education:

Sep. 23 2006 - Jan. 18, 2009**: M.Sc. in Genetics**
Islamic Azad University, Science & Research Branch, Hesarak, Tehran, Iran; 1477893855

Sep. 23 2002 - Feb. 19, 2006: **B.Sc. in Cellular & Molecular Biology**
Islamic Azad University - Tonekabon Branch, Tonekabon, Iran

Research and Work Experiences:

1) Oct. 23 2011 - present
   Lab Associate director and Researcher, Mol. Genet. Lab: Genomic Research Center, Aarabi St., Yaman Ave., Velenjak. Postal code: 1985717413, Tehran, Iran, Tel: +98(0) 21 22439959/Fax: +98(0) 21 22439961

2) Dec. 16 2009 - Jun. 20 2011
   Research assistant: Molecular Medicine Department, Biotechnology Research Center, **Pasteur Institute of Iran (IPI),** Pasteur St, No 69. Postal code: 1316943551, Tehran, Iran.

3) May. 9 2008 - Sep. 22 2009
   Laboratory of Medical Genetics, **National Institute of Genetic Engineering and Biotechnology (NIGEB)**, Shahrak-e Pajoohesh, km 15, Tehran - Karaj Highway, Tehran, Iran

Research Interests:

Cancer Genomics, Clinical Genetics and Genomics, High-throughput Sequencing, Multifactorial Genetic Disorder, Rare Genetic disorder

Skills and Professional Qualification:

Primer Design, PCR-RFLP, SSCP, Tetra-ARMS PCR, ARMS-PCR, Real Time PCR, Sequencing data analyses, DNA & RNA extraction, DNA recovery, cDNA synthesis, RT-PCR, Next Generation Sequencing (NGS) data analysis, Electrophoresis (Agarose, PAGE), SDS-PAGE, Isolation of chorionic villi from maternal tissue, Bioinformatics.

Publications in national and international journals:

1) KM Vincent, A Eaton, VR Yassaee, M Miryounesi, **F Hashemi-Gorji**, L Rudichuk, H Goez; N Leonard, J Lazier. Delineating the expanding phenotype of HERC2 related disorders: The impact of biallelic loss of function versus missense variation. Clinical Genetics August 2021

2) **F Hashemi-Gorji**. S Salehpour, M Miryounesi, R Mirfakhraie, VR Yassaee. A novel SRD5A2 mutation in an Iranian family with sex development disorder. Andrologia 53(1) October 2020

3) H Ahmadi, VR Yassaee, R Mirfakhraie, F Hashemi-Gorji. **Association between single nucleotide polymorphisms rs12722489 and multiple sclerosis in Iranian patients with multiple sclerosis.** Current Journal of Neurology 19 (1); 26-31

4) Z Ravesh, VR Yassaee, SH Tonekaboni, M Razzaghy-Azar, **F Hashemi-Gorji**, S Salehpour, M Miryounesi, S Ghafouri-Fard. **Next generation sequencing elucidated a clinically undiagnosed metabolic disorder-An Iranian family with hereditary orotic aciduria.** Gene Reports. 16 (2019). https://doi.org/10.1016/j.genrep.2019.100457

5) Dalaie K, Behnaz M, Banihashem S, Motamedian S, Yassaee V, **Hashemi-Gorji F**, Khojasteh A. **Association of the P561T and C422F polymorphisms of the growth hormone receptor gene with facial dimensions.** Journal of Oral Research. 2020 February; 8(6):499-504. doi: https://doi.org/10.17126/10.17126/joralres.

6) **F Hashemi-Gorji**, M Fardaei, SMB Tabei, M Miryounesi. **Novel Mutation in the *MED23* gene for Intellectual Disability: a case report and literature review**. Clin Case Rep. 2019 Feb;7(2): 331–335.

7) Z Ravesh, M Dianatpour, M Fardaei, M Taghdiri, **F Hashemi-Gorji**, VR Yassaee, M Miryounesi. **Advanced molecular approaches pave the road to a clear-cut diagnosis of hereditary retinal dystrophies.** Molecular Vision 2018; 24:679-689

8) MJ Mokhtari, F Koohpeima, **F Hashemi-Gorji**. **Association of the Risk of Dental Caries and Polymorphism of *MBL2* rs11003125 Gene in Iranian Adults**. Caries Res. 2019;53:60–64

9) F Koohpeima, **F Hashemi-Gorji**, M J Mokhtari. **Evaluation of caries experience in two genders and *ENAM* polymorphism in Iranian adults.** Meta Gene. 2018 May.17:78-81

10) **F Hashemi-Gorji**, VR Yassaee, P Dashti, M Miryounesi. **Novel *LAMA2* gene mutations associated with Merosin-Deficient Congenital Muscular Dystrophy.** Iran Biomed J. 2018. PMID:29707938

11) M Miryounesi, S Salehpour, S H Tonekaboni, VR Yassaee, M Nejabat, **F Hashemi-Gorji**, M Fardaeie, S Ghafouri-Fard. **Neurodegeneration with brain iron accumulation 2A: Report of four independent cases.** Meta Gene. 2018 Feb;15:87-89.

12) VR Yassaee, **F Hashemi-Gorji**, M Miryounesi, A Rezayi, Z Ravesh, F Yassaee, S Salehpour. **Clinical, biochemical and molecular features of Iranian families with mucopolysaccharidosis: A case series.** Clin Chim Acta. 2017 Nov;474:88-95.

13) M Ekrami, M Torabi, S Ghafouri-Fard, J Mowla, Mohammad Soltani B, **F Hashemi-Gorji**, Z Mohebbi, M Miryounesi. **Genetic Analysis of Iranian Patients with Familial Hypercholesterolemia.** Iran Biomed J. 2018 Mar;22(2):117-22.

14) S Ghafouri-Fard, **F Hashemi-Gorji**, M Fardaei, M Miryounesi. **Limb girdle muscular dystrophy type 2E due to a novel large deletion in *SGCB* gene**. Iran J Child Neurol. 2017 Summer;11(3):57-60

15) S Salehpour, **F Hashemi-Gorji**, Z Soltani, S Ghafouri-Fard, M Miryounesi. **Association of a Novel Nonsense Mutation in *KIAA1279* with Goldberg-Shprintzen Syndrome.** Iran J Child Neurol. 2017 Winter;11(1):70-74

16) A Taghavi, ME Akbari, M Hashemi-Bahremani, N Nafissi, A Khalilnezhad, M Pour-Hosseini, **F Hashemi-Gorji**, VR Yassaee. **Gene expression profiling of 8q22-24 position in human breast cancer**. Oncol Lett. 2016 Nov;12(5):3845-3855.

17) S Ghafouri-Fard, VR Yassaee, A Rezayi, **F Hashemi-Gorji**, N Alipour, M Miryounesi. **A Novel Nonsense mutation in *PANK2* Gene in Two Patients with Pantothenate Kinase-Associated Neurodegeneration**. Int J Mol Cell Med. 2016 Fall;5(4):255-259.

18) **F Hashemi-Gorji,** S Ghafouri-Fard, S Salehpour, M Miryounesia, VR Yassaee. **A novel splice site mutation in *GNPTAB* gene in an Iranian patient with mucolipidosis II alpha/beta.** J Pediatr Endocrinol Metab. 2016 Aug;29(8):991-3.

19) S Ghafouri-Fard, **F Hashemi-Gorji**, VR Yassaee, N Alipour, M Miryounesi. **A Novel Splice Site Mutation in *HPS1* Gene is Associated with Hermansky-Pudlak Syndrome-1 (*HPS1*) in an Iranian Family**. Int J Mol Cell Med 2016, 5(3): 192-195.

20) SM Seyedhassani, **F Hashemi-Gorji**, M Yavari, F Harazi, VR Yassaee**. Novel *FKBP10* mutation in a patient with osteogenesisimperfecta type XI.** Fetal Pediatr Pathol. 2016;35(5):353-358.

21) VR Yassaee, Z Soltani, Z Ravesh, **F Hashemi-Gorji**, SM Poorhosseini, R Anbiaee, A Joulaee**. Mutation Spectra of *BRCA* Genes in Iranian Women with Early Onset Breast Cancer, 15 years' Experience**. Asian Pac J Cancer Prev. 2016;17 Spec No.:149-53.

22) SM Poorhosseini**,** M Hashemi-Bahremani**,** N Alipour Olyaei , A Izadi, E Moslemi, Z Ravesh, F **Hashemi-Gorji**, HR Kheiri, VR Yassaee**. New gene profiling in determination of breast cancer recurrence and prognosis in Iranian women.** Asian Pac J Cancer Prev. 2016;17 Spec No.:155-60.

23) VR Yassaee, **F Hashemi-Gorji,** S Boosaliki, N Parvaneh**. Mutation Spectra of the *ITGB2* Gene in Iranian Families with Leukocyte Adhesion Deficiency Type 1.** Hum Immunol. 2016 Feb;77(2):191-5.

24) VR Yassaee, A Khojasteh, **F Hashemi-Gorji**, Z Ravesh, P Toossi. **A novel homozygous *LMNA* mutation (p.Met540Ile) causes Mandibuloacral Dysplasia type A.** Gene. 2016 Feb 10;577(1):8-13.

25) Z Soltani, F Karami, V Yassaee, **F Hashemi-Gorji**, M Talebzadeh, M Miryounesi. **First Case Report of EX3del4765 Mutation in *PAH* Gene in Asian Population**. Iran Red Crescent Med J. 2016 Jan 1;18(2):e21633.

26) K Forouzanfar, M Seifi, **F Hashemi-Gorji**, V Karimi, MA Estiar, M Karimoei, E Sakhinia, M Karimipour and R Ghergherehchi. **Mutation Analysis of the *CYP21A2* Gene in congenital adrenal hyperplasia**. Cell Mol Biol (Noisy-le-grand). 2015 Aug 17;61(4):51-5.

27) SM Seyedhassani, **F Hashemi-Gorji**, M Yavari, R Mirfakhraie**. Novel missense mutation in the *GALNS* gene in an affected patient with severe form of mucopolysaccharidosis type IVA.** Clin Chim Acta. 2015 Oct 23;450:121-4.

28) D Zare-Abdollahi, S Safari, A Movafagh, S Riazi-Isfahani, M Ghadyani M, **F Hashemi-Gorji**, MF Nasrollahi, MD Omrani**. A mutational and expressional analysis of *DNMT3A* in acute myeloid leukemia cytogenetic subgroups.** Hematology. 2015 Aug;20(7):397-404.

29) VR Yassaee, **F Hashemi-Gorji**, Z Soltani, SM Poorhosseini; **A New approach in molecular diagnosis of TAR syndrome.** Clin Biochem. 2014 Jun;47(9):835-9.

30) **F Hashemi-Gorji**, M Hamid, A Arab, A Amirian, S Zeinali, M Karimipoor. **Relationship between DNA polymorphisms at the *BCL11A* and *HBS1L-MYB* loci in *β*-Thalassemia patients with increased fetal hemoglobin levels**. Sci J Iran Blood Transfus Organ 2011; 8(3):149-157

31) P Atef Vahid, MR Alivand, **F Hashemi-Gorji**, M Hashemi, MR Noori Dalooi. **Frequency of TNFα-244G>A, TNFα-308G>A and TNFα-238G>A polymorphisms in healthy and malaria infected patients of Kerman and Hormozgan provinces**. Medical Science Journal of Islamic Azad University 2011; 21(1):18-23. (In Persian)

32) SM Seyedhassani, M Houshmand, SM Kalantar, A Aflatoonian, G Modabber, **F Hashemi-Gorji** and Z Hadipour. ***BAX* Pro-apoptotic Gene Alterations in Repeated Pregnancy Loss**. Arch Med Sci 2011; 7(1): 117-122.

33) R Mirfakhraie, SM Kalantar, F Mirzajani, M Montazeri, N Salsabili, M Houshmand, **F Hashemi-Gorji**, and G Pourmand. **A novel mutation in the transactivation-regulating domain of the androgen receptor in a patient with azoospermia**. J Androl. 2011 Jul-Aug;32(4):367-70.

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35) **F Hashemi-Gorji**, MR Alivand, P Atef Vahid, M Hashemi, R Salehi, M Salehi, S Azimi, and MR Nouri Deloui. **Study of glucose-6-phosphate dehydrogenese (*G6PD*) gene mutations in patients with G6PD deficiency of Fars and Esfahan provinces.** Medical Sciences Journal 2009; 19:280-286. (In Persian)

36) MR Noori-Daloii, **F Hashemi-Gorji**, MR Alivand, M Hashemi, R Mirfakhraie, P Atef-vahid, M Salehi, R Salehi, and C Azimi. **Molecular identification of the most prevalent mutations of glucose-6-phosphate dehydrogenase (*G6PD*) in Fars and Isfahan of Iran**. Journal of Sciences, Islamic Republic of Iran 2009; 20(3): 221-225.

37) SM Seyedhassani, M Hushmand, SM Kalantar, **F Hashemi-Gorji**, A Aflatunian. **Role of Mitochondria in Repeated Pregnancy Loss.** Cell Journal (Yakhteh), Vol 11, Supplement 1, autumn 2009, ISSN: 1561-4921. eISSN: 1735-8086.

Submissions in:

GenBank, dbSNP, and ClinVar

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