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## !!Curriculum Vitae

### (۱) مشخصات فردی

نام: محمدرضا

نام خانوادگی: عباس زادگان

جنسیت: مذکر

رشته تحصیلی: ژنتیک پزشکی

گروه آموزشی: ژنتیک پزشکی

مرتبہ علمی: دانشیار

آدرس محل کار: مشهد- میدان فردوسی- میدان بوعلی- پژوهشکده بوعلی- بخش ژنتیک انسانی

تلفن محل کار: ۷۱۱۲۳۴۳ (+۹۸۵۱۱)

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### تحصیلات دانشگاهی

سال	کشور	محل تحصیل	رشته تحصیلی	مدرک تحصیلی
۱۹۸۱-۱۹۸۵	آمریکا	دانشگاه مانتانا	علوم آزمایشگاهی	لیسانس
۱۹۸۷-۱۹۹۰	آمریکا	دانشگاه آریزونا	میکروب شناسی کاربردی	فوق لیسانس
۱۹۹۰-۱۹۹۵	آمریکا	دانشگاه آریزونا	فارماکولوژی با گرایش ژنتیک انسانی	دکترای تخصصی
۱۹۹۵-۱۹۹۷	آمریکا	National Institute of Health	ژنتیک انسانی	فوق تخصص
۱۹۹۸/۱ تا ۲۰۰۰/۱	آمریکا	دانشگاه NIH	ژنتیک مولکولی پزشکی	بورده تخصصی
۲۰۰۳/۷ تا ۲۰۰۳/۱۰	آمریکا	دانشگاه NIH	تشخیص بیماریهای نادر ژنتیک و تشخیص قبل از تولد آنها	فلوشیپ

### (۱) تجربیات حرفه ای

- (۱) ایجاد کلینیک ژنتیک پزشکی در پژوهشکده بوعلی که خدمات مشاوره ای ژنتیک و تشخیص قبل از تولد در دستور کار این کلینیک بوده است.
- (۲) مدرس کشوری دوره های ژنتیک پزشکی برای کارشناسان، پزشکان و متخصصین بالینی که مجوز رسمی مشاوره ژنتیک پزشکی را از سازمان بهزیستی دریافت می کنند. از سال ۱۳۷۷ تا کنون.
- (۳) مأموریت های متعدد جهت بیماریابی و بدست آوردن آمار دقیق منطقه شمال شرق کشور برای سرطان ارثی گوارش.

## ۲) تجربیات آموزشی

دانشیار گروه ژنتیک پزشکی، دانشکده پزشکی، دانشگاه علوم پزشکی مشهد(بهمن ماه ۱۳۸۳ تا کنون)  
عضو هیئت علمی مشترک (Adjunct Faculty)، دانشگاه ایالتی آریزونا، فینیکس، امریکا، (۲۰۱۰ تا کنون)  
استادیار گروه ژنتیک پزشکی، دانشکده پزشکی، دانشگاه علوم پزشکی مشهد(فروردین ماه ۱۳۷۹ تا بهمن ۱۳۸۳)  
پژوهشگری، دانشکده پزشکی، دانشگاه علوم پزشکی مشهد(فروردین ماه ۱۳۷۷ تا بهمن ۱۳۷۸)  
استادیار، دپارتمان ژنتیک دانشگاه جرج تان امریکا (۱۹۹۶ تا ۱۹۹۹)  
مدرس دوره های تابستانی مرکز تحقیقات ژنتیک انسانی دانشگاه NIH (۱۹۹۶ تا ۱۹۹۸)

## ۳) عناوین و امتیازات ویژه

رتبه اول طرح فناوریانه برتر جشنواره پژوهش و فناوری ۱۳۸۸، استانداری مشهد  
رتبه اول جشنواره اسرار ۱۳۸۷، دانشگاه علوم پزشکی سبزوار  
رتبه دوم پژوهشگر برتر ۱۳۸۶، دانشگاه علوم پزشکی مشهد  
رتبه اول جشنواره جوان خوارزمی ۱۳۸۴  
رتبه اول جشنواره خوارزمی ۱۳۸۳

6/1988 Sigma Xi, The Scientific Research Society

6/1995 National Institute of Health Intramural Research Training Award (IRTA)

3/1996 NIH Fellows Award for Research Excellence

ثبت موتاسیون جدید در پایگاه HGMD:

1. Homo sapiens perforin gene, intron 1 (AY489286.1)
2. Human T-lymphotropic virus 1 isolate MTA-1 from Iran truncated envelope glycoprotein gene, partial cds (DQ911752.1)
3. Homo sapiens isolate patient 1 steroid 21-hydroxylase (CYP21A2) gene, exons 9, 10 and partial cds. (EU236681)
4. Homo sapiens isolate patient 2 steroid 21-hydroxylase (CYP21A2) gene, exons 9, 10 and partial cds. (EU236682)
5. Homo sapiens mitochondrial 11beta-hydroxylase (CYP11B1) gene, exons 7, 8 and partial cds; nuclear gene for mitochondrial product.(EU236683)
6. Homo sapiens adenomatous polyposis coli gene, partial cds. (EU681189)
7. Homo sapiens beta-catenin gene, partial cds.(EU681190)
8. Homo sapiens adenomatous polyposis coli gene, partial cds. (EU681276)
9. Homo sapiens beta-catenin gene, partial cds. (EU681277)

10. Tetraogallus caspius isolate CS1 cytochrome b (cytb) gene, partial cds; mitochondrial.(EU106676)
11. Homo sapiens potassium channel inwardly rectifying subfamily J member 11 (KCNJ11) gene, complete cds (GU170814.1).
12. Homo sapiens truncated mitochondrial cytochrome P450 11B1 (CYP11B1) gene, exon 2 and partial cds; nuclear gene for mitochondrial product (GU201906.1)

#### ۴) فعالیت های پژوهشی

(الف) انتشار مقاله در ژورنال های علمی پژوهشی سطح I: (ISI)

1. Moghbeli M, Moaven O, Dadkhah E, Farzadnia M, Mohamadian Roshan N, Asadzadeh-aghdaee H, Mehrabi Bahar M, Raeisossadati R, Forghanifard MM, Etemad Aleslami Bakhtiari SR, Baradaran A, **Abbaszadegan MR**: High frequency of microsatellite instability in sporadic colorectal cancer patients in Iran. Genetics and molecular research. 2011. In press. (IF= 0.844)
2. Forghanifard MM, Gholamin M, Farshchian M, Moaven O, Memar B, Forghani MN, Dadkhah E, Naseh H, Moghbeli M, Raeisossadati M, **Abbaszadegan MR**. Cancer-testis gene expression profiling in esophageal squamous cell carcinoma: Identification of specific tumor marker and potential targets for immunotherapy. Cancer Biology and Therapy. 2011. In press. (IF= 2.711)
3. **Abbaszadegan MR**, Keify F, Ashrafzadeh F, Farshchian M, Khadivi-Zand F, Teymoorzadeh MN, Mojahedi F, Ebrahimzadeh R, Ahadian M. Gene Dosage Analysis of Proximal Spinal Muscular Atrophy Carriers using Real-Time PCR. Arch Ir Med, 2011. Arch Iran Med. 2011; May. 14(3):188-91. (IF=0.874)
4. Raeisossadati R, Farshchian M, Ganji A, Tavassoli A, Velayati A, Dadkhah E, Chavoshi S, Mehrabi Bahar M, Memar B, Rajabi Mashhadi MT, Naseh H, Forghanifard MM, Moghbeli M, **Abbaszadegan MR**. Quantitative analysis of TEM-8 and CEA tumor markers indicating free tumor cells in the peripheral blood of colorectal cancer patients. International Journal of Colorectal Disease. 2011. World J Gastroenterol. 2010 Oct 21; 16(39):4958-67. (IF=2.102)
5. Bonakdaran S, **Abbaszadegan MR**, Dadkhah E, Khajeh-Dalouie M. Vitamin D receptor gene polymorphisms in Type 1 Diabetes Mellitus: a new pattern from khorasan Province of Iran. Eastern Medterrian Health Journal. 2011. In press.
6. Moaven O, Raziee HR, Sima HR, Ganji A, Malekzadeh R, Arabi A, Abdollahi A, Memar B, Setoudeh M, Naseh H, Nekoui N, Razavipour A, Gholamin M, Dadkhah E, Farshchian M, **Abbaszadegan MR**: Interactions between Glutathione-S- Transferase M1, T1 and P1 polymorphisms and smoking, and increased susceptibility to esophageal squamous cell carcinoma. Cancer Epidemiology. Epub 2010 Apr 20; 34(3):285-90.
7. Gholamin M, Moaven O, Farshchian M, Mahmoudi M, Sankian M, Memar B, Rajabi-Mashhadi MT, Forghani MN, Malekzadeh R, **Abbaszadegan MR**: Induction of cytotoxic T lymphocytes primed with Tumor RNA-loaded Dendritic Cells in Esophageal Squamous Cell Carcinoma: preliminary step for DC vaccine design. BMC Cancer. 2010; Jun 7; 10:261. (IF=2.736)

8. Ghoamin M, Moaven O, Farshchian M, Rajabi-Mashhadi MT, Mahmoudi M, Sankian M, Sazgarnia A, Ghahreman M, **Abbaszadegan MR**: Highly Efficient Transfection of Dendritic Cells with GFP mRNA: Optimization Tool for Immuno-genetherapy of Esophageal Squamous Cell Carcinoma, *Ir J Biotech*. 2010. 8(2), 121-126.
9. Taghavi N, Biramijamal F, Sotoudeh M, Moaven O, Khademi H, **Abbaszadegan MR**, Malekzadeh R. Association of p53/p21 expression with cigarette smoking and prognosis in esophageal squamous cell carcinoma patients. *World J Gastroenterol*. 2010. 16(39): 4958-67.
10. Taghavi N, Biramijamal F, Sotoudeh M, Khademi H, Malekzadeh R, Moaven O, Memar B, A'rabi A, **Abbaszadegan MR**: p16<sup>INK4a</sup> hypermethylation and p53, p16 and MDM2 protein expression in Esophageal Squamous Cell Carcinoma. *BMC Cancer*. 2010; 13:10:138. (IF=2.736)
11. Taghavi N, Biramijamal F, **Abbaszadegan MR**, Khademi H, Sotoudeh M, Khoshtakht S, Malekzadeh R: P21<sup>(Waf1/Cip1)</sup> gene polymorphisms and possible interaction with cigarette smoking in esophageal squamous cell carcinoma in northeastern Iran. *Arch Ir Med*. 2010; 13(3):235-42. (IF=0.874)
12. Naseri M, Ghiggeri GM, Caridi G, **Abbaszadegan MR**. Five cases of severe vesico-ureteric reflux in a family with an X-linked compatible trait. *Pediatr Nephrol*. 2010; 25(2):349. (IF= 2.425)
13. **Abbaszadegan MR**, Asadzadeh Aghdayi H, Rastin F, Dadkhah E, Lotfalizadeh M, Mohamadian Roshan N, Farzadnia M, Velayati A, A'rabi A: Microsatellite Instability in Young Iranian Women with Endometrioid type Endometrial Cancer. *Ir J Public Health*. 2009; 38(3): 24-30.(IF=0.244)
14. Zali MR, Moaven O, Asadzadeh-Aghdaee H, Ghafarzadegan K, Jami Al-Ahmadi K, Farzadnia M, Arabi A, **Abbaszadegan MR**: Clinicopathological significance of E-cadherin,  $\beta$ -catenin and p53 expression in gastric adenocarcinoma, *J Res Med Sciences*. 2009; 14:239-247. (IF=2.696)
15. Ghoamin M, Moaven O, Farshchian M, Memar B, Naseh H, Malekzadeh R, Sotoudeh M, Rajabi-Mashhadi MT, Forghani MN, Farrokhi F, **Abbaszadegan MR**: Overexpression and Interactions of IL-10, TGF- $\beta$  and VEGF mRNA Expression in ESCC. *World J Surgery*; 2009. 33(7):1439-45. (IF=2.696)
16. **Abbaszadegan MR**, Modaressi A, Khadivi-Zand F, Velayati A: Rare gross deletion in T-cell immune regulator-1 gene in Iranian family with infantile malignant osteopetrosis. *Saudi Medical Journal*. 2008; 29(10):1494-6. (IF=0.51)
17. **Abbaszadegan MR**, Jafarzadeh N, Sankian M, Sadeghizadeh , Khatami F, Mehramiz N: Truncated MTA-1: a pitfall in ELISA- Based Immunoassay of (HTLV-1) Infection. *J Biomed Biotech*, 2008; Article ID846371. (IF=1.75)
18. **Abbaszadegan MR**, Moaven O, Sima HR, Ghaffarzadegan K, Forghani MN, A'rabi A, Raziee HR, Mashhadinejad A, Jafarzadeh M, Esmaeeli Shandiz E, Dadkhah E: P16 promoter hypermethylation: A useful serum marker for early detection of gastric cancer. *World J. Gastroenterology*. 2008; 14(13): 2055-2060.(IF= 2.092)
19. Baradaran-Heravi A, Vakili R, Robins T, Carlsson J, Ghaemi N, A'rabi A, **Abbaszadegan MR**: Three novel CYP21A2 mutations and their protein modeling in patients with classical 21-hydroxylase deficiency from northeastern Iran. *Clin Endocrinol (Oxf)*. 2007; 67:335-341. (IF= 3.201)

20. **Abbaszadegan MR**, Tavasoli A, Velayati A, Sima HR, Vosooghinia H, Farzadnia M, Asadzadeh H, Gholamin M, Dadkhah E: Stool-based DNA Testing, A New Noninvasive Method for Colorectal Cancer Screening, The First Report from Iran. *World J. Gastroenterology*. 2007; 13(10): 1528-153. (IF=2.092)
21. **Abbaszadegan MR**, Tavasoli A, Velayati A, Dadkhah E: Rapid DNA extraction protocol from stool, suitable for molecular genetic diagnosis of colon cancer. *Ir Biomedical J*. 2007; 11(3):203-208.
22. Kamalidehghan B, Houshmand M, Panahi MS, **Abbaszadegan MR**, Ismail P, Shiroudi MB: The Y8.9 kb Deletion in Tumoral Cell mtDNA Is More Common than Other Deletions in Gastric Cancer. *Archives Med Res*. 2006; 37(7):848-53. (IF= 1.884)
23. Kahrom M, **Abbaszadegan MR**, Kahrom H, Vakili R: Nager's acrofacial dysostosis with hypertrophic cardiomyopathy: Report of a case. *Saudi Medical Journal*, 2006; 27(10):1578-81. (IF=0.51)
24. **Abbaszadegan MR**, Raziee HR, Ghaffarzadegan K, Shakeri MT, Afsharnejad S, Ghavamnasiri MR S: Aberrant p16 methylation, a possible epigenetic risk factor in familial esophageal squamous cell carcinoma. *Int. J. Gastrointestinal cancer*. 2005; 36:426-430.
25. Vakili R, Baradaran Heravi A, Barid Fatehi B, Gholamin M, Ghaemi N, **Abbaszadegan MR**: Molecular Analysis of the CYP21 Gene and Prenatal Diagnosis in Families with 21- Hydroxylase Deficiency in Northeastern Iran. *Hormone Research*. 2005; 65: 119-124. (IF=1.73)
26. Rafatpanah H, Pravica V, Farid R, **Abbaszadegan MR**, Tabatabaei A, Gohari A, Etemadi MM, Hutchinson Ian V: Association of a Novel Single Nucleotide Polymorphism in the Human Perforin Gene With the Outcome of HTLV-I Infection in Patients From Northeast Iran (Mashhad). *Human Immunology*. 2004; 65: 839-846. (IF= 2.55)
27. Ghaffarzadegan K, Zali MR, Jami Ahmadi Kh, Asadzadeh HR, **Abbaszadegan MR**: Correlation of Nuclear p53 Immunoreaction with the Histopathologic Features in Gastric Carcinoma. *Archives Ir Med*. 2004; 7(4): 279-283. (IF=0.874)
28. **Abbaszadegan MR**, Ghavamnasiri MR, Raziee HR, Ghaffarzadegan K, Afsharnejad S. P16/ INK4a promoter hypermethylation in serum, blood and tumor of patients with esophageal squamous cell carcinoma. *Ir J. Basic Med Sciences*. 2004; 4(7):115-119.
29. **Abbaszadegan MR**, Omidi A, Niyazi A, Zoheidi MR, Gholamin M, Jami-Ahmadi K, Ghaffarzadegan K. Prevalence of Human Papilloma Virus type 16 and 18 and expression of mutant p53 in Esophageal Squamous Cell Carcinoma. *Ir J. Basic Med Sciences*. 2004; 4(6): 38-42.
30. **Abbaszadegan MR**, Gholamin M, Tabatabaee A, Farid R., Houshmand M., Abbaszadegan M. Prevalence of Human T-Lymphotropic Virus Type 1 among blood donors from Mashhad, Iran. *J. Clin. Microbio*. 41(6): 2003. 2593-2595. (IF=4.162)
31. **Abbaszadegan MR**, Pazouki N, Sankian M: DNA extraction from Mutation Detection Enhancement (MDE) gel stained with silver nitrate. *Protocol Online*. 2003.
32. Yazdani A, Chung Do D, **Abbaszadegan MR**, Khayer KA, Chan WM, Yazdani M, Ghodsi K, Engele E, Traboulsi E: A novel PHOX2A/ARIX mutation in an Iranian family with Congenital

- Fibrosis of Extraocular Muscles type 2-CFEOM2. *The American Journal of Ophthalmology*. 2003; 5(136): 861865. (IF=3.833)
33. Gelmann EP, Steadman DJ, Ma J, Ahronovitz N, Voeller JH, Swope S, **Abbaszadegan MR**, Brown KM, Strand K, Hayes RB, Stampfer MJ: Occurrence of NKX3.1 C154T polymorphism M. R. in men with and without prostate cancer and studies of its effect on protein function. *Cancer Res*. 2002; 62(9): 2654-9. (IF= 7.543)
34. Farid-Hosseini F, Pishnamaz R, Farid-Hosseini R, **Abbaszadegan MR**, Mahmoodi M, Rasteen M: Expression of Interleukin-2R $\alpha$  chain (CD25) on peripheral blood lymphocytes in HTLV-I associated myelopathy/Tropical Spastic Paraparesis patients. *Arch Ir Med*; 2001; 4(4): 183-187. (IF=0.874)
35. **Abbaszadegan MR**, Shirdel A, Soroori J, Gholami B, Gholamin : Detection of minimal residual disease in CML patients after bone marrow transplantation using a semi-quantitative RT-PCR of BCR-ABL fusion gene(Persian). *Ir J. Basic Med Sciences*. 2001; 4(4):183-187.
36. Schmidt F, **Abbaszadegan MR**, Hauser A; Buwitt U; Laut P otschick K; Krockner J; Elling D; Grosse R: Detection of BRCA1 and BRCA2 mutations in breast cancer families by a comprehensive two-stage screening procedure. *Int J Cancer*. 2000; 85(4): 474-81. (IF=4.722)
37. Lerman C, Hughes Ch; Bruce J; Main D; Bonney A; **Abbaszadegan MR**; Myers R; Harty A; Franklin B; Lynch J; Lynch H: Genetic Testing in Families With Hereditary Nonpolyposis Colon Cancer. *JAMA*. 1999; 281(17): 1618 – 1622.
38. **Abbaszadegan MR**, Varasteh AR, Khoshroo M, Gholami B, Gholamin M. Isolation and purification of TAX protein of HTLV-1 virus using recombinant DNA Techniques. *I.R. Ir Biotechnology*. 1999; 3: 456-461.
39. **Abbaszadegan MR**, Streuwing J, Brown KM, Jim Snider, Gore-Langton R, Hughes MR: Automated detection of highly prevalent mutations in BRCA 1 and 2 genes using a fluorogenic PCR. *Genetic Testing*. 1998; 1: 171-180. (IF= 1.17)
40. **Abbaszadegan MR**, Cress AE, Futscher BW, Bellamy WT, Dalton WS: Evidence for cytoplasmic P-glycoprotein location associated with increased multidrug resistance and resistance to chemosensitizers. *Cancer Res*. 1996; 56: 5435-5442. (IF= 7.543)
41. **Abbaszadegan MR**, Foley NE, Guzman MC, Dalton WS: Resistance to The Chemosensitizer, Verapamil, in a Multidrug Resistant (MDR) Human Multiple Myeloma cell line. *Int. J. Cancer*. 1996; 66: 506-514. (IF= 4.722)
42. **Abbaszadegan MR**, Futscher BW, Klimecki WT, List A, Dalton WS: Analysis of Multidrug Resistance-associated Protein (MRP) mRNA in normal and malignant hematopoietic cells. *Cancer Res*. 1994; 54: 4676-4679. (IF= 7.543)
43. Futscher BW, **Abbaszadegan MR**, Domann F, Dalton WS: Analysis of MRP mRNA in Mitoxantrone-selected, multidrug resistant human tumor cells. *Biochem. Pharmacol*. 1994; 47: 1601-1606. (IF= 4.245)

44. Abril ER, Scuderi P, **Abbaszadegan MR**, Watzl B, Earnest DL: Vitamin A indirectly activates kupffer cells by stimulating cytokine production by peripheral blood mononuclear leukocytes. *Cells Hep.* 1991; *Sinusoid* 3: 27-29.
45. Watzl B, Abril ER, **Abbaszadegan MR**, Scuderi P, Watson RR: Effects of ethanol in vivo on TNF secretion by cultured rat kupffer cells. *Cells Hep. Sinusoid.* 1991; 3: 480-482.

(ب) انتشار مقاله در ژورنال‌های علمی پژوهشی سطح II: (Index Medicus, Pubmed, Medline)

(ج) انتشار مقاله در ژورنال‌های علمی پژوهشی سطح III: (Scopus, Chemical Abstract, Embase, Biological Abstract)

1. Banaei T, Farrokh-Tehrani D, **Abbaszadegan MR**: The Genetics of Age Related Macular Degeneration. *Bina J Ophthalmol.* 2007; 13(1): 104-118.
2. **Abbaszadegan MR**, Ziaee M, Khadivi-zand F, Badiiee Z, Khazaei B, Vahedian Z, Mehrabian F, Dadkhah E: Carrier detection of hemophilia A in southern Khorasan using the 3 polymorphic sites of BclI, HindIII, and AlwNI. *Blood (Khoon, SJIBTO Farsi)*, 2007; 3(4): 291-298.

(د) انتشار مقاله در ژورنال‌های علمی پژوهشی سطح IV: (سایر سایت‌های تخصصی)

1. Mostaan L, **Abbaszadegan MR**, Ghafarzadegan K., Seyyedi M, Arabi A, Salehi M, Afzalaghaei: Evaluation of E-cadherin and its correlation with lymphatic metastasis and tumor grade in laryngeal SCC. *Ir J. Otorhinolaryngology.* 2006; 18(44).
2. Ashrafzade F, **Abbaszadegan MR**, Ghaemi N: Fragile X Syndrome A case report with fingers anomaly. *Hamedan University Med. Science J.* 2003; 16(2): 132-134.

(و) ارائه مقاله در کنگره‌ها یا سمینارهای خارجی:

1. **Abbaszadegan MR**, Saidi R, Moaven O, A'rabi A, Homaei- Shandiz F, Noferesti GH. Familial Esophageal Squamous Cell Carcinoma and Breast cancer in several Pedigrees with BRCA2 Mutations. *European Human Genetics Conference 2011. Poster presentation. May 28 - 31, 2011 Amsterdam RAI, the Netherlands.*
2. Forghanifard MM, Gholamin M, **Abbaszadegan MR**. In silico and ex vivo analysis of two chimeric polytope constructs for applications in dendritic cell-based cancer immuno-genetherapy. *European Human Genetics Conference 2011. Poster presentation. May 28 - 31, 2011 Amsterdam RAI, the Netherlands.*
3. Dadkhah E, Naseh H, Farshchian M, Memar B, Sankian M, Bagheri R, Forghanifard MM, **Abbaszadegan MR**. New Biomarkers Detected for Esophageal Squamous Cell Carcinoma using Chemiluminescent cDNA Microarray Gene Expression Profiling. *European Human Genetics Conference 2011. Poster presentation. May 28 - 31, 2011 Amsterdam RAI, the Netherlands.*
4. Moghbeli M, A'rabi A, Maleknejad M, **Abbaszadegan MR**. Mutational Analysis of Uroporphyrinogen III Synthase Gene in Iranian Families with Congenital Erythropoietic Porphyria.

European Human Genetics Conference. European Human Genetics Conference 2011. Poster presentation. May 28 - 31, 2011 Amsterdam RAI, the Netherlands.

5. Farshchian M, Yaghoubi V, Forghanifard MM, Naseh H, Raeisossadati R, Dadkhah E, Forghani MN, Moghbeli M, **Abbaszadegan MR**. Gene expression analysis by Real-Time PCR and PCR-Array technology shed light on probable new roles of p53 in carcinogenesis pathway of esophageal squamous cell carcinoma. Epigenetics and stem cell conference. Poster presentation. Aug 25-27, 2010, Copenhagen, Denmark.

6. **Abbaszadegan MR**, Hassani S, Vakili R, Saberi MR, Baradaran-Heravi AR, A'rabi A, Hashemipour M, Razzaghi\_Azar M, Baratian A: Novel Mutations in *CYP11B1* Gene and its protein modeling in a Patient with 11 $\beta$ -Hydroxylase Deficiency in Iran. 59<sup>th</sup> Annual Meeting of American Society of Human Genetics. Poster presentation. October 2009, Hawaii.

7. **Abbaszadegan MR**, Moaven O, Sima HR, Ghaffarzadegan K, Forghani MN, A'rabi A, Raziee HR: A useful serum marker for early detection of gastric cancer, Aberrant p16 methylation. An AACR special conference in cancer research: Candidate pathways, whole genome scans: Reconciling results, looking into the future, Carefree. Poster presentation. May20-23, 2008, Arizona.

8. **Abbaszadegan MR**, Tavasoli A, Velayati A, Sima HR, Vosooghinia H, Farzadnia M, Asadzede H, Gholamin M, Dadkhah E, Aarabi A. Stool-based DNA testing, a new noninvasive method for colorectal cancer screening, the first report from Iran. The King Hussein Cancer & Biotechnology Institute, The National Cancer Institute of the US, and Duke University, Middle East and North Africa Cancer Research Conference. Poster presentation. 3 – 4 Sept, 2007, Amman, Jordan.

9. **Abbaszadegan MR**, Baradaran Heravi A, Vakili R, Gholamin M, Ghaemi N: Three novel *CYP21A2* mutations and their protein modeling in patients with classical 21-hydroxylase deficiency from northeastern Iran. 3rd Annual Metabolic Diseases World Summit. Poster presentation. 1, 2 Nov, 2007, San Diego, CA, USA.

10. Moaven O, Raziee H, Arabi A, Mavvaji B, Abbaszadegan MR. Genetic Polymorphism in Glutathione-S-transferase T1, P1 and M1 and susceptibility to esophageal cancer: First study in Iranian population. 19th Asia Pacific Cancer Conference. Poster presentation. Nov. 15-17, 2007. Tehran, Iran.

11. **Abbaszadegan MR**, Raziee HR, Afsharnejad S, Ghaffarzadegan K, Ghavamnasiri MR. Aberrant p16 Methylation, a possible predisposing factor in familial Esophageal squamous cell carcinoma. 95<sup>th</sup> Annual meeting of American Association for Cancer Research. Poster presentation. March 2004, Orlando, FL.

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2. Dadkhah E, Farshchian M, Sankian M, Memar B, Naseh H, Forghani M, Kazemi M, **Abbaszadegan MR**. Biomarker detection for Esophageal Squamous Cell Carcinoma using chemiluminescent cDNA Microarray. Cancer Symposium. poster presentation. Dec 20, 2010, Mashhad, Iran.
3. Forghanifard MM, Farshchian M, Gholamin M, Forghani M, Raeisossadati R, Memar B, Moaven O, Dadkhah E, Moghbeli M, **Abbaszadegan MR**. Impact of cancer/testis antigens crosstalk with the major cell signaling pathways on esophageal squamous cell carcinoma. Cancer Symposium. Oral presentation. Dec 20, 2010, Mashhad, Iran.
4. Ghahraman M, Gholamin M, Me'mar B, Forghani MN, **Abbaszadegan MR**. Establishment and Characterization of Esophageal Squamous Cell Carcinoma (ESCC) Cell Line from a high-incidence area in Iran. Cancer Symposium. poster presentation. Dec 20, 2010, Mashhad, Iran.
5. Farshchian M, Yaghoubi V, Forghanifard MM, Naseh H, Raeisossadati R, Dadkhah E, Forghani MN, Moghbeli M, **Abbaszadegan MR**. PYGO-2: A downstream WNT signaling component overexpression in esophageal squamous cell carcinoma. 11th Iranian Genetics Congress. Poster presentation, May 22-24, 2010 Tehran, Iran.
6. A'rabi A, Hassani S, Vakili R, Saberi MR, Baradaran-Heravi A, Hashemipour M, Razzaghi-Azar M, Ahadian M, Keify F, **Abbaszadegan MR**. Prenatal Diagnosis in Families with 11- Beta Hydroxylase Deficiency Leads Novel Mutations in Two Patients and their Parents. 11th Iranian Genetics Congress. Poster presentation, May 22-24, 2010 Tehran, Iran.
7. Ghahraman M, **Abbaszadegan MR**, Ghaemi N, Noroozi S, Faraji B, Vakili R. A novel mutation in the SLC19A2 gene in Iranian families with thiamine responsive megaloblastic anemia, diabetes and deafness syndrome. 11th Iranian Genetics Congress. Poster presentation, May 22-24, 2010 Tehran, Iran.
8. Alizade Nakhayi M, Dadkhah E, **Abbaszadegan MR**. Heterozygosity analysis of four STR loci from US Combined DNA Index System in a population of Khorasan province. 11th Iranian Genetics Congress. Poster presentation, May 22-24, 2010 Tehran, Iran.
9. Chavoshi S, Dadkhah E, Tavallaie M, Farshchian M, Raeisossadati R, Velayati A, Toliat kashani M, Ganji A, Jangjoo A, **Abbaszadegan MR**. Quantitative analysis of Guanylyl Cyclase c as a tumor marker, validates this marker for early detection of circulating tumor cells in the peripheral blood of colorectal cancer patients. 11th Iranian Genetics Congress. Poster presentation, May 22-24, 2010 Tehran, Iran.
10. Raeisossadati R, Velayati A, Dadkhah E, Farshchian M, Chavoshi S, Tavassoli A, Mehrabi Bahar M, Rajabi Mashhadi MT, **Abbaszadegan MR**. Absolute quantification of tumor

endothelial marker 8 in the peripheral blood of colorectal cancer patients with real-time RT-PCR. 11th Iranian Genetics Congress. Poster presentation, May 22-24, 2010 Tehran, Iran.

11. Forghanifard MM, Farshchian M, Gholamin M, Naseh H, Memar B, Rajabi Mashhadi MT, **Abbaszadegan MR**. Comparative analysis of Cancer/testis antigens expression profile in esophageal squamous cell carcinoma patients using 5'-nuclease assay in real-time PCR. 11th Iranian Genetics Congress. Oral presentation, May 22-24, 2010 Tehran, Iran.
12. Dadkhah E, Memar B, Naseh H, Sankian H, Farshchian M, Bagheri R, Ahmadi S, Moaven O, **Abbaszadegan MR**: Microarray Gene Expression Profiling in Esophageal Squamous Cell Carcinoma, the First Report from Iran. 11th Iranian Genetics Congress. Oral presentation, May 22-24, 2010 Tehran, Iran.
13. **Abbaszadegan MR**. State of the art cell-based cancer gene therapies; dendritic cell vaccines. Iranian congress on Biotechnology and applications of stem cells. Invited lecturer. 27-29 April 2011, Mahhad, Iran.
14. **Abbaszadegan MR**. Immunogenetic. International congress of Asthma, Allergy and Immunology. Invited lecturer. Oct 27-29, 2010. Mashhad, Iran.
15. **Abbaszadegan MR**. Hereditary cancer. Invited lecturer. Cancer Symposium. Dec 20, 2010, Mashhad, Iran.
16. **Abbaszadegan MR**. Molecular Genetics & Epigenetic in upper G.I. Cancers. Advance Molecular Genetics Course. Invited lecturer. June 10-12, 2006, Tehran, Iran
17. **Abbaszadegan MR**. Molecular genetics and epigenetics in upper GI cancers. The first Esophageal Cardia Cancer Summit, Scientific sponsors: ISMO, DDRC, IAGH, Iran & IARC, France, Invited lecturer. Dec. 13-14, 2005, Tehran, Iran.

#### (۵) کتب تألیف / ترجمه شده

##### الف) کتب تألیف شده:

واحدی فاطمه ، عباس زادگان محمدرضا ، کیفی فاطمه، " اصول و روشهای کاربردی Real time PCR"، چاپ اول، انتشارات وارستگان، مشهد، سال ۱۳۸۹

##### ب) کتب ترجمه شده:

مباحث ژنتیک و تغذیه، ترجمه ی دکتر شیرزاد هادی، دکتر نادری فر مهدی، دکتر اسدزاده عقدایی حمید، دکتر خزعلی مهدی ، دکتر عباس زادگان محمدرضا، دکتر غیور مبرهن مجید ، چاپ اول، موسسه فرهنگی انتشاراتی حیان، سال ۱۳۸۵

#### (۶) مسئولیت های اجرایی

رییس پژوهشکده بوعلی، دانشگاه علوم پزشکی مشهد ۱۳۸۳-۱۳۷۹  
رییس بخش ژنتیک انسانی، مرکز تحقیقات ایمونولوژی، پژوهشکده بوعلی، دانشگاه علوم پزشکی مشهد ۱۳۷۷ تاکنون

## ۷) عضویت در سازمان ها

عضو شورای عالی مرکز تحقیقات ایمونولوژی، دانشگاه علوم پزشکی مشهد. از آبان ۱۳۸۷ تا کنون  
عضو مرکز تحقیقات بیماریهای پوست و سالک، مرکز تحقیقات بیماریهای پوست و سالک دانشگاه  
عضو انجمن بیوتکنولوژی ایران، انجمن بیوتکنولوژی ایران- تهران  
عضو کمیته کارشناسی علوم بالینی، معاونت پژوهشی، دانشگاه معاونت پژوهشی دانشگاه مشهد، از شهریور ۱۳۸۷ تا  
شهریور ۱۳۸۸  
عضو کمیته کارشناسی علوم پایه، معاونت پژوهشی دانشگاه، دانشگاه معاونت پژوهشی دانشگاه مشهد، از مهر ۱۳۸۶ تا مهر  
۱۳۸۷

عضو کمیته کارشناسی علوم پایه، معاونت پژوهشی دانشگاه، دانشگاه معاونت پژوهشی دانشگاه مشهد  
عضو هیات تحریریه فصلنامه علوم پزشکی دانشگاه آزاد اسلامی مشهد، دانشگاه آزاد اسلامی مشهد  
عضو شورای علمی مرکز تحقیقات ایمونولوژی، دانشگاه علوم پزشکی مشهد  
عضو وابسته فرهنگستان علوم پزشکی جمهوری اسلامی ایران، فرهنگستان علوم پزشکی - تهران، از اسفند ۱۳۸۶ تا کنون  
عضو گروه علوم پایه پزشکی فرهنگستان علوم پزشکی تهران، از اسفند ۱۳۸۵ تا اسفند ۱۳۸۷  
عضو کمیته داورى طرحهای نانوفناوری وزارت بهداشت و درمان و آموزش پزشکی، معاونت تحقیقات و فناوری  
عضو هیئت داوران دهمین کنگره ژنتیک ایران، کنگره ژنتیک ایران، انستیتو پاستور ایران تهران  
عضو هیئت داوران نهمین کنگره ژنتیک ایران، کنگره ژنتیک ایران، انستیتو پاستور ایران تهران  
عضو هیئت رئیسه نهمین کنگره ژنتیک ایران، کنگره ژنتیک ایران، انستیتو پاستور ایران تهران

## ۸) علایق پژوهشی

ژنتیک پزشکی، ژنتیک سرطان، ایمونوتراپی سرطان، پزشکی مولکولی، بیوانفورماتیک پزشکی