

# Curriculum Vitae

**DATE:** June, 2015  
Dept. of Molecular Medicine,  
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## ***Maryam Taghavi Basmanj***

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### **Personal Information:**

**Birth Date:** 31/07/1984

**Sex:** Female

**Marriage status:** Single

**Children (age):** -

**Birth Place:** Tehran

**Nationality:** Iranian

### **Education:**

2002-2006 B.Sc. on Microbiology, Islamic Azad University, Karaj branch, Karaj, IRAN

2011-2014 **M.Sc** student on **Cell and Molecular Biology**, University of Science and Culture related to **Royan Institute** and Academic Center for Education, Culture and Research (ACECR), Tehran, IRAN

### **Professional experience:**

- 2011 Sep-2014 Nov: **Master thesis** entitled “**Molecular Diagnosis of Autosomal Recessive Non-Syndromic Hearing Loss in 10 Iranian Families using Microsatellite Markers for 4 Deafness loci**” Pasteur Institute of Iran.  
**Supervisor:** Dr. Sirous Zeinali

### **Work experience:**

2005 – Present: Lab expert on PND unit (Pre- Natal Diagnosis of **Thalassemia**), Pasteur Institute of Iran

Worked on Pre-Natal Diagnosis of **Duchenne Muscular Dystrophy (DMD)**, Pasteur Institute of Iran

**Education experience:**

- I have certification of education in Prenatal diagnosis and basic techniques in molecular biology in Molecular Medicine research center of :

**8hr in 2005**

**58hr in 2007**

**30hr in 2008**

**120hr in 2011**

**Computer skills and Bioinformatics:**

- Work with windows , internet
- Microsoft office software, Word, Excel, Access, PowerPoint and EndNote
  - Work with Excel Program for Design of Tables and Diagram
  - Work with Access Program for database
- Work with Chromes, Gene runner for Design of Primer and sequencing and Blast
- Work with TRF,SERV, Map viewer databases for STR finding for linkage Analysis
- Data retrieving from molecular biology databases such as Gene bank, Ensemble, UCSC Genome Browser

**Laboratory Skills:****Molecular Biology**

- PCR/RFLP Genotyping
- Gel electrophoresis Methods in Agarose and acetate cellulose
- DNA Extraction from blood by Salting out
- DNA Extraction from fetus cell
- Real time PCR
- Gene Cloning
- Plasmid extraction from Bacteria and Transformation
- Ability of work with Centrifuge , Microscope

- SSCP
- Sequencing PCR
- RNA Extraction
- RT-PCR
- MLPA
- STR Analysis
- Western Blot
- Culturing and manipulation of cell lines (HUVEC, RAW 264.1)
- ARMS PCR
- RFLP PCR
- Multiplex PCR
- Gap PCR
- Analysis of human chromosomes and preparing Karyotype
- Prenatal Diagnosis of Beta and Alpha Thalassemia
- Prenatal Diagnosis of Duchenne muscular dystrophy

#### **Microbiology**

- Gram Staining
- Diagnosis of Micro-organisms by biochemical methods
- Microbial Culture

#### **Clinical**

- Phlebotomy

#### **Languages:**

- My mother language is Persian/Farsi
- I know English (TOEFL Certification)

#### **Special trainings:**

- Training and certification in "**molecular microbiology**" in Microbiology department, Pasteur Institute of Iran, Tehran, 29 Nub-8 Des (**2005**).

- In Certification of Satisfactory Participation in Theoretical & Practical Workshop entitled: "**Micro satellite Analysis & SSCP based Mutation Screening**" 4<sup>th</sup> and 5<sup>th</sup> October by Elchrom Scientific Switzerland, PasCo and Far Gene Pouyesh Ltd (2005).
- Training and certification in "**CBC and Hb Electrophoresis**" in biotechnology department, Pasteur Institute of Iran, Tehran, 22 Dec-21 Jun (2005).
- In Certification of Satisfactory Participation in Theoretical & Practical Workshop entitled: "**Biosafety in Molecular Biology Lab**" Pasteur Institute of Iran, Tehran (2006-2007).
- In Certification of Satisfactory Participation in Theoretical & Practical Workshop entitled: "**EndNote-X2**" Pasteur Institute of Iran, Tehran, 4 Mar (2009).
- In Certification of Satisfactory Participation in Theoretical & Practical Workshop entitled: "**Bioinformatics**" Pasteur Institute of Iran, Tehran, 11-13 Jan (2009)
- In Certification of Satisfactory Participation in Theoretical & Practical Workshop entitled: "**Real time PCR**" Pasteur Institute of Iran, Tehran, 2-3 Feb (2010)
- In Certification of Satisfactory Participation in Theoretical & Practical Workshop entitled: "**DNASIS MAX 2.0**" (Sequence Analysis Software) Pasteur Institute of Iran, Tehran, 8-9 Aug (2010)
- In Certification of Satisfactory Participation in Theoretical & Practical Workshop entitled: "**Liquid Volume Calibration**" Pasteur Institute of Iran, Tehran, 20 Jul-5 Aug (2010)
- In Certification of Satisfactory Participation in Theoretical & Practical Workshop entitled: "**Progeny 7(Genetic data management software)**" Pasteur Institute of Iran, Tehran, 6-7 Jul (2013)

- In Certification of Satisfactory Participation in Theoretical & Practical Workshop entitled: " **Next Generation Sequencing** " Pasteur Institute of Iran, Tehran, 24 May (2015)

- گواهی دوره آموزشی تئوری و عملی تحت عنوان " **اطفاء حریق کمیته مدیریت تضمین کیفیت** " انستیتو پاستور ایران، مورخ ۱۳۹۱/۰۵/۰۳
- گواهی دوره آموزشی تحت عنوان " **استریلیزاسیون در آزمایشگاه** " انستیتو پاستور ایران، مورخ ۱۳۹۲/۰۸/۲۹
- گواهی دوره آموزشی تحت عنوان " **ایمنی زیستی** " انستیتو پاستور ایران، مورخ ۱۳۹۲/۰۲/۲۹
- گواهی دوره آموزشی تحت عنوان " **GMP-GLP** " انستیتو پاستور ایران، مورخ ۱۳۹۲/۰۲/۲۹
- گواهی دوره آموزشی تحت عنوان " **دوره بیوانفورماتیک و کاربرد داده در بیوتکنولوژی** " انستیتو پاستور ایران، مورخ ۱۳۹۲/۰۲/۲۹
- گواهی دوره آموزشی تحت عنوان " **مستند سازی، ممیزی و سری ممیزی استاندارد ISO/IEC 17025** " انستیتو پاستور ایران، مورخ ۱۳۹۴/۰۳/۰۴

**Other trainings:**

- گواهی دوره آموزشی تحت عنوان "**حل تعارض (افسردگی)**" انستیتو پاستور ایران،  
مورخ ۱۳۹۰/۱۰/۱۱
- گواهی دوره آموزشی تحت عنوان "**تفکر خلاق و نقاد**" انستیتو پاستور ایران، مورخ  
۱۳۹۰/۱۰/۱۸
- گواهی دوره آموزشی تحت عنوان "**فرآیند خلاقیت و نوآوری و تکنیک‌های آن**"  
انستیتو پاستور ایران، مورخ ۱۳۹۱/۰۵/۰۳
- گواهی دوره آموزشی تحت عنوان "**حجاب در تحکیم بنیان خانواده**" انستیتو پاستور  
ایران، مورخ ۱۳۹۱/۱۰/۰۵
- گواهی دوره آموزشی تحت عنوان "**دوره خلاقیت و نوآوری**" انستیتو پاستور ایران،  
مورخ ۱۳۹۲/۰۲/۲۹
- گواهی دوره آموزشی تحت عنوان "**نظام پیشنهادات و مدیریت مشارکتی**" انستیتو  
پاستور ایران، مورخ ۱۳۹۲/۰۲/۲۹
- گواهی دوره آموزشی تحت عنوان "**عفاف و حجاب از دیدگاه اسلام**" انستیتو پاستور  
ایران، مورخ ۱۳۹۲/۰۲/۲۹

**Contribution:**

- **" 9<sup>th</sup> Iranian Genetic Congress"**, May (2006), Tehran, IRAN
- Symposium of **"The Role of genetics agents in Cancer"** , Nov ( 2007 ) , Pasteur Institute, Tehran, IRAN
- **"4<sup>th</sup> Virology whole Congress of IRAN"** 1-3 April ( 2007 ) , Pasteur Institute, Tehran, IRAN
- **"9th Iranian congress of Biochemistry The 2nd international congress of Biochemistry & molecular Biology"**. 29 Oct-1 Nov (2007), Shiraz, IRAN
- **"1st International Congress on Health Genomics and Biotechnology and the 4<sup>th</sup> Iranian Congress of Genetic Disorders and Disabilities 24-26 Nov (2007), Tehran, IRAN**
- **" 10th Congress Iranian genetics Society"** 22-24 Jun (2008) ,Tehran, IRAN
- **"5<sup>th</sup> International congress, Blood and Cancer society of Iran"** 12-15 May (2009), Mazandaran, IRAN
- **"3<sup>rd</sup> annual Iranian Seminar on HIV/AIDS "** 29-30 Nov (2009), Tehran, IRAN
- **" Genomic of Complex Disorders symposium "**20-21 Nov (2011),Tehran , IRAN
- **"1<sup>st</sup> Congress of Iranian Biological Resources Center(IBRC)"** 22-23 Feb (2011), Tehran, IRAN
- **"5<sup>th</sup> International and 10<sup>th</sup> National Congress on Quality Improvement in Clinical Laboratories"** 23-26 Apr(2012) ,Tehran, IRAN
- **"8<sup>th</sup> Royan International congress on Stem cell Biology&Technology"** 5-7 Sep ( 2012 ),Tehran , IRAN

- "3<sup>th</sup> Iranian Medical genetics" 15-16 May(2013), Tehran, IRAN
- "26<sup>th</sup> International Congress of Pediatrics" 10-14 Oct (2013) ,Tehran ,IRAN
- "6<sup>th</sup> International Iranian Congress Laboratory& Clinic" . 12-14 February (2014) ,Tehran, IRAN

## Publications:

### ARTICLES

1. Amirian A, Karimipoor M, Jafarinejad M, **Taghavi M**, Kordafshari AR, Fathi Azar S, Mohammadi MS, Zeinali S. First report on the co-inheritance of beta-globin IVS-I-5 (G→C) thalassemia with delta globin CD12 {Asp→Lys (AAT→AAA)} Hb A2 NYU in Iran" *Archive of Iranian Medicine Journal*, **2011**; Jan: 14(1):8-11.
2. **Taghavi Basmanj M**, Karimipoor M, Jafarinejad M, Amirian A, Katouzian L, Valaei A, Bayat F, Kordafshari A, Zeinali S. Co-inheritance of Hemoglobin D and β-Thalassemia trait in three Iranian families, clinical relevance". *Archive of Iranian Medicine Journal*, **2009**; Jan: 14(1):61-3
3. Kainimoghaddam Z, Valaei A, Bayat F, **Taghavi Basmanj M**, Navabmoghaddam F, Mortezaazadeh M, Teimoori-Toolabi L, Ahmadi S, Sadegh S, Kordafshari A, Karimipoor M, Zeinali S. Prenatal diagnosis of β-thalassemia in 14 twins pregnancies from Iran Prenatal diagnosis of β-thalassemia in twin pregnancies" *Archive of Iranian Medicine Journal*". *Archive of Iranian Medicine Journal*, **2013**; Oct:16(10):573-5
4. Valaei A, Eghbalpour F, Kainimoghaddam Z, Bayat B, **Taghavi Basmanj M**, Karimipoor M, Zeinali S. Co-Inheritance of Beta & Delta-Globin Gene (HbYialousa) Mutations in an Iranian β-Thalassemia Carrier". *International Journal of Clinical Medicine*, **2012**; Dec: 3(7):633-636

**Under submission:**

1. Mohtashami K, **Taghavi Basmanj M**, Omidinia E, Negahdari B, Rahimi H. Prediction of Tertiary Structure of Amorpho-4,11-Diene Synthase, a key Sesquiterpene synthase " *Computational Biology and Chemistry*, **2015**

#### **MEETINGS (Abstract & Presentations):**

1. Mahdiani H, Valaei A, Farmahini Farahani M, **Taghavi M**, Kordafshar A, Bayat F, Karimipour M, Zeinali S. Distribution of different  $\beta$ - globin gene mutations in carriers referred to PND unit at Pasteur Institute of Iran. **10<sup>th</sup> International Conference on Thalassaemia & Hemoglobinopathies & 12<sup>th</sup> International TIF Conference for Thalassaemia Patients and Parents**. 7–10 January, **2006**, UAE, Dubai. (\*Poster Presentation)
2. Farmahini Farahani M, Mahdiani H, Valaei A, Mirzaei Z, **Taghavi M**, Kordafshar A, Karimipour M, Zeinali S. Comparative analysis of mutations among related and unrelated couples who had been referred to PND unit at Pasteur Institute of Iran. **10<sup>th</sup> International Conference on Thalassaemia & Hemoglobinopathies & 12<sup>th</sup> International TIF Conference for Thalassaemia Patients and Parents**. 7–10 January, **2006**, UAE, Dubai. (\*Poster Presentation)
3. Mahdiani H, Valaei A, Farmahini Farahani M, **Taghavi M**, Kordafshar A, Bayat F, Karimipour M, Zeinali S. Distribution of different  $\beta$ -globin gene mutations in carriers referred to PND unit at Pasteur Institute of Iran. **9<sup>th</sup> Congress Iranian genetics Society**, 20-22 May, **2006**, Tehran, IRAN. (\*Poster Presentation, in Persian)
4. Farmahini Farahani M., Mahdiani H., Valaei A., Mirzaei Z., **Taghavi M**, Kordafshar A., Karimipour M., Zeinali S. Comparative analysis of mutations among related and unrelated couples who had been referred to PND unit at Pasteur Institute of Iran, **9<sup>th</sup> Congress Iranian genetics Society**. 20-22 May, **2006**, Tehran, IRAN. (\*Poster Presentation, in Persian)

5. Katouzian L, **Taghavi M**, Jafarinejad M, Bayat F, Valaei A, Amirian A, Kordafshari A, Mohamadi M, Karimipour M, Zeinali S. The frequency of  $\beta$ -globin mutations in individuals referred to PND unit at Pasteur Institute of Iran. **9<sup>th</sup> Iranian congress of Biochemistry The 2nd international congress of Biochemistry & molecular Biology**. 29 Oct-1 Nov, **2007**, Shiraz, IRAN. (\*Poster Presentation)
  
6. Amirian A, Katouzian L, **Taghavi M**, Bayat F, Valaei A, Jafarinejad M, Mohamadi M, Kordafshari A, Karimipour M, Zeinali S. Interaction of IVS1-5 mutation & haplotypes in  $\beta$ -Thalassemia. **9<sup>th</sup> Iranian congress of Biochemistry The 2nd international congress of Biochemistry & molecular Biology**. 29 Oct-1 Nov, **2007**, Shiraz, IRAN. (\*Poster Presentation)
  
7. **Taghavi M**, Amirian A, Valaei A, Katouzian L, Bayat F, Jafarinejad M, Mohamadi M, Kordafshari A, Karimipour M, Zeinali S. Evaluation of ambiguous Thalassemia carriers referred to PND unit at Pasteur Institute of Iran. **9<sup>th</sup> Iranian congress of Biochemistry The 2nd international congress of Biochemistry & molecular Biology**. 29 Oct-1 Nov, **2007**, Shiraz, IRAN. (\*Poster Presentation)
  
8. Bayat F, Valaei A, Katouzian L, Amirian A, **Taghavi M**, Kordafshari A, Jafarinekhad M, Mohamadi M, , Karimipour M, Zeinali S. The relationship between haplotype & IVS1-6 mutation in  $\beta$ -thalassemia. **9<sup>th</sup> Iranian congress of Biochemistry The 2nd international congress of Biochemistry & molecular Biology**. 29 Oct-1 Nov, **2007**, Shiraz, IRAN. (\*Poster Presentation)
  
9. Valaei A, Bayat F, Amirian A, Katouzian L, Jafarinekhad M, **Taghavi M**, Kordafshari A, Mohamadi M, , Karimipour M, Zeinali S. The haplotype of  $\beta$ -globin cluster in Fr36/37 mutation of  $\beta$ -globin gene. **9<sup>th</sup> Iranian congress of Biochemistry The 2nd international congress of Biochemistry & molecular Biology**. 29 Oct-1 Nov, **2007**, Shiraz, IRAN. (\*Poster Presentation)

10. Valaei A, Bayat F, **Taghavi M**, Karimipour.M, Zeinali.S. A new polymorphism causes different restriction pattern by  $\beta$ -RsaI in  $\beta$ -globin cluster: application in PND. **European Human Genetics Conference**. 31 May- 3 June, **2008**, Barcelona, SPAIN. (\*Poster Presentation)
  
11. **Taghavi M**, Karimipour.M, Jafarinejad.M, Katouzian.L, Valaei A , Amirian A, Bayat F, Kordafshari.A, Saeedi N, Zeinali S. Co-inheritance of Hemoglobin D &  $\beta$  Thalassemia Trait in three Iranian families. **European Human Genetics Conference**. 31 May- 3 June, **2008**, Barcelona, SPAIN. (\*Poster Presentation)
  
12. Amirian A, Karimipour M, Moghaddam Z, Kordafshari A, Valaei A, **Taghavi M**, Katouzian L, Bayat F, Jafarinejad M, Saeidi N, Sanjari A, Choubini M, Mohammadi.M, Zeinali.S. Molecular analysis of two families with Hb Lepore. **European Human Genetics Conference**. 31 May- 3 June, **2008**, Barcelona, SPAIN. (\*Poster Presentation)
  
13. **Taghavi M**, Karimipour M, Amirian A, Katouzian L, Bayat F, Valaei A, Jafarinejad M, Mohammadi M, Saeedi N, Kordafshari A, Choubini M, Sanjari A, Zeinali S. The haplotype analysis in HbD and HbS Carriers in Iran. **10<sup>th</sup> Congress Iranian genetics Society**. 21-23 May, **2008**, Tehran, IRAN. (\*Poster Presentation)
  
14. Amirian A, Karimipour M, Kordafshari A, Valaei A, , Bayat F, **Taghavi M**, Katouzian L, Jafarinejad M, Mohammadi M, Choubini M, Sanjari A, Zeinali S. Mutations spectrum of  $\beta$ -globin gene in 430 Iranian. **10<sup>th</sup> Congress Iranian genetics Society**. 21-23 May, **2008**, Tehran, IRAN. (\*Poster Presentation)
  
15. Amirian A, Karimipour M, Moghaddam Z, Kordafshari A, Valaei A, **Taghavi M**, Katouzian L, Bayat F, Jafarinejad M, Saeidi N, Sanjari A, Choubini M, Mohammadi M, Zeinali S. Molecular analysis of two families with  $\delta\beta$

- Thalassemia. **10<sup>th</sup> Congress Iranian genetics Society**. 21-23 May, **2008**, Tehran, IRAN. (\*Poster Presentation)
16. Amirian A, Karimipour M, **Taghavi M**, Kordafshari A, Valaei A, Choubini M, Zeinali S. Molecular characterization of a C to A substitution at nt-88 in the promoter region of the beta-globin gene with normal Hb A2 in four heterozygotes in Iranian families". **11<sup>th</sup> International Conference of Thalassemia & Haemoglobinopathies and 13<sup>th</sup> International TIF Conference for Thalassemia Patients & Parents**. 8-11 October, **2008**, SINGAPORE. (\*Poster Presentation)
17. **Taghavi M**, Amirian A, Katouzian L, Jafarinejad M, Kordafshari A, Karimipour M, Zeinali S. Multiplex ARMS PCR for detection of common beta thalassemia mutations in Iranian family. **11<sup>th</sup> International Conference of Thalassemia & Haemoglobinopathies and 13<sup>th</sup> International TIF Conference for Thalassemia Patients & Parents**. 8-11 October, **2008**, SINGAPORE. (\*Poster Presentation)
18. Valaei A, Bayat F, **Taghavi M**, Katouzian L, Sanjari A, Karimipour M, Zeinali S. Molecular characterization of two families with delta and beta Thalassemia. **11<sup>th</sup> International Conference of Thalassemia & Haemoglobinopathies and 13<sup>th</sup> International TIF Conference for Thalassemia Patients & Parents**. 8-11 October, **2008**, SINGAPORE. (\*Poster Presentation)
19. Amirian A, Karimipour M, Kordafshari.A, **Taghavi M**, Valaei.A, Bayat.F, Jafarinejad M, Mohammadi M, Saeidi N, Choubini M, Sanjari A, Zeinali S. 180 distribution of Beta-Thalassemia in the Southern province of Iran. **2<sup>nd</sup> International Student Conference of Biotechnology**.15-17 Nov, **2008**, Tehran, IRAN. (\*Oral Presentation)
20. Amirian A, Karimipour M, Moghaddam Z, Kordafshari A, Valaei A, **Taghavi M**, Katouzian L, Bayat F, Jafarinejad M, Saeidi N, Sanjari A, Choubini M,

- Mohammadi M, Zeinali S. The beta –thalassemia mutation spectrum in the north of Iran. **The second International and the Seventh National Congress on Quality Improving in Clinical Laboratories.** 20-23 April, **2009**, Tehran, IRAN. (\*Oral Presentation)
21. **Taghavi M**, Bayat F, Amirian.A, Valaei.A, Saeidi.N, Kaini Moghadam.Z, Kordafshari.A,Fathiazar.S, Mossayebzadeh.M, Karmipoor.M, Zeinali.S. The novel IVSII-I (G>A) splice donor site mutation on the alpha1 globin gene. **European Human Genetic.** May31-Jun 3, **2009**, Vienna, AUSTRIA. (\*Poster Presentation)
22. Saeidi N, Jafarinejad M, Shafieie E, Mohammadi M, **Taghavi M**, Bayat F, Karimipur M, Kordafshari A, Zeinali S. Should we screen for gene mutations in blood samples with MCH greater than 27pg in areas with a high prevalence of thalassaemia. **European Human Genetic.** 23-26 May, **2009**, Vienna, AUSTRIA. (\*Poster Presentation)
23. KainiMoghadam Z, Karimipoor M, **Taghavi M**, Shafieyeh E, Mohammadi M, Jafarinejad M, Fathiazar S, Zeinali S. The first report of IVSI-II (T>C) from Iran in three  $\beta$ -Thalassemia carrier. **European Human Genetic.**23-26 May, **2009**, Vienna, AUSTRIA. (\*Poster Presentation)
24. Amirian A, Karimipour M, Kordafshari AR, **Taghavi M**, Jafarinejad M, Valaei A, Bayat F, Saeidi N, Mosayebzadeh M, Fathiazar S, Mohammadi MS, Zeinali S. The IVSI-5 (G→C)  $\beta$ -thalassemia mutation in Trans with the (delta) CD12 [ASP→Lys (AAT>AAA)] Hb A2 NYU in an Iranian family. **European Human Genetic.** 23-26 May, **2009**, Vienna, AUSTRIA. (\*Poster Presentation)
25. **Taghavi M**, Shafiyeh E, Amirian A, Saeidi N ,Bayat F, Jafarinejad M, Valaei A, Fathiazar S, Mosayebzadeh M, Mohammadi MS, Kordafshari AR, Karimipour M, Zeinali S. Molecular detection of Alpha-thalassemia in ambiguous referred to PND unit of Psteur Institute of Iran. **5<sup>th</sup> International congress, Blood and**

- Cancer society of Iran.** 12-15 May, **2009**, Mazandaran, IRAN. (\*Poster Presentation)
26. Amirian A, Karimipour M, Kordafshari AR, **Taghavi M**, Jafarinejad M, Valaei A, Bayat F, Saeidi N, Mosayebzadeh M, Fathiazar S, Mohammadi M, Zeinali S. Detection of beta and delta globin gene mutations by PCR and direct DNA sequencing in two individuals with normal HbA<sub>2</sub> beta thalassemia. . **5<sup>th</sup> International congress, Blood and Cancer society of Iran.** 12-15 May, **2009**, Mazandaran, IRAN. (\*Poster Presentation)
27. Bayat F, Valaei A, Fathiazar S, **Taghavi M**, Amirian A, Saeidi N, Jafarinejad M, Mosayebzadeh M, Kordafshari AR, Karimipour M, Zeinali S. Haplotype Analysis of thalassemia carrier in North and Center of Iran. **5<sup>th</sup> International congress, Blood and Cancer society of Iran.** 12-15 May, **2009**, Mazandaran, IRAN. (\*Poster Presentation)
28. Valaei A, Bayat F, Jafarinejad M, Mosayebzadeh M, **Taghavi M**, Amirian A, Saeidi N, Fathiazar S, Kordafshari AR, Karimipour M, Zeinali S. Investigation of polymorphic sites in thalassemia carrier of South and West of Iran. **5<sup>th</sup> International congress, Blood and Cancer society of Iran.** 12-15 May, **2009**, Mazandaran, IRAN. (\*Poster Presentation)
29. Saeidi N, **Taghavi M**, KainiMoghadam Z , Amirian A , Fathiazar S, Kordafshari A, Karimipour M, Zeinali S. Molecular Investigation of HbD-Punjab and its origin. . **5<sup>th</sup> International congress, Blood and Cancer society of Iran.** 12-15 May, **2009**, Mazandaran, IRAN. (\*Poster Presentation)
30. Fathiazar S, Mosayebzadeh M, Amirian A, Jafarinejad M, **Taghavi M**, Valaei A , Bayat F, Saeidi N, Kordafshari AR, Karimipour M, Zeinali S. Distribution of beta-thalassemia in the western provinces of Iran. . **5<sup>th</sup> International congress, Blood and Cancer society of Iran.** 12-15 May, **2009**, Mazandaran, IRAN. (\*Poster Presentation)

31. Amirian A, Karimipour M., Kordafshari AR, **Taghavi M**, Jafarinejad M, Mosayebzadeh M, Fathiazar S, Mohammadi .M, Zeinali S. Nt-88 mutation  $\beta$ -thalassemia mutation in trans with the delta CD27(HbA2 Yialousa) in an Iranian family. **National Congress of Cellular and Molecular News in Non-Contagious Disease**. May 19-21, **2009**, Babol, IRAN. (submission)
  
32. Mosayebzadeh M, Fathiazar S, Amirian A, Jafarinejad M, Valaei A, Bayat F,, **Taghavi M**, Karimipour M, Kordafshari AR, Mohammadi M, Maryami F, Zeinali S. Distribution of  $\alpha$ -thalassemia in the Tehran province of Iran. **3<sup>th</sup> International and the 8<sup>th</sup> National Congress on Quality Improvement in Clinical Laboratories**. 20-23 April, **2010**, Tehran, IRAN. (\*Poster Presentation)
  
33. Amirian A , Jafarinejad M, Kordafshari AR, Bayat F, Mosayebzadeh M, **Taghavi M**, Valaei A, Mohammadi M, Karimipour M, Zeinali S. Alpha Thalassemia in Mazandaran and Gilan, northern provinces of Iran. **11<sup>th</sup> Congress Iranian genetics Society**. 22-24 May, **2010**, Tehran, IRAN. (\*Poster Presentation)
  
34. Fathiazar S, **Taghavi M**, Bayat F, Valaei A, Jafarinejad M, Mosayebzadeh M, Kordafshari AR, Azadi Z, , Karimipour M, Zeinali S. Molecular characterization of Alpha-Thalassemia in the North of Iran. **11<sup>th</sup> Congress Iranian genetics Society**. 22-24 May, **2010**, Tehran, IRAN. (\*Poster Presentation)
  
35. Amirian A, Jafarinejad M, Kordafshari AR, Bayat F, Mosayebzadeh M, **Taghavi M**, Fathiazar S, Valaei A, Azadi Z, Mohammadi M, Karimipour M, Maryami F, Zeinali S. The study of Alpha-thalassemia prevalence in referral patients to Pasteur Institute of Iran during September 2003 to September 2009. **The European Conference of Human Genetics**. 12-15 June, **2010**, Gothenburg, SWEDEN. (\*Poster Presentation)

36. Amirian A, Karimipour M, Kordafshari AR, Bayat F, **Taghavi M**, Valaei A, Navabmoghadam F, Morteza Zadeh M, Maryami F, Zeinali S. The study of Alpha-Thalassemia prevalence in referral patients to Pasteur Institute of Iran during September 2003 to September 2009. **2<sup>nd</sup> Iranian Medical Genetics Congress**. 20-21 June, 2011, Tehran, IRAN. (\*Poster Presentation)
37. Valaei A, Bayat F, **Taghavi M**, Ahmadi S, Kainimoghadan Z, Amirian A, Navabmoghadam F, Sabokbar N, Karimipour M, Zeinali S. Investigation of beta-Thalassemia carrier with normal HbA<sub>2</sub>. **The 5<sup>th</sup> International and 10<sup>th</sup> National congress on Quality Improvement in Clinical laboratory**. 23-26 April, 2012, Tehran, IRAN. (\*Poster Presentation)
38. Kainimoghadan Z, **Taghavi M**, Valaei A, Amirian A, Ahmadi S, Bayat F, Morteza Zadeh M, Sanjari A, Kordafshari A, Karimipour M, Karimipour M, Zeinali S. Using single tube multiplex ARMS/RFLP in recognition of the most common beta globin polymorphism. **The 5<sup>th</sup> International and 10<sup>th</sup> National congress on Quality Improvement in Clinical laboratory**. 23-26 April, 2012, Tehran, IRAN. (\*Poster Presentation)
39. Ahmadi S, **Taghavi M**, Valaei A, Bayat F, Morteza Zadeh M, Kainimoghadan Z, Sabokbar N, Amirian A, Kordafshari A, Karimipour M, Karimipour M, Zeinali S. Detection of new hemoglobin variant in Kermanshah province. **The 5<sup>th</sup> International and 10<sup>th</sup> National congress on Quality Improvement in Clinical laboratory**. 23-26 April, 2012, Tehran, IRAN. (\*Poster Presentation)
40. Navabmoghadam F, Valaei A, Bayat F, Ahmadi S, **Taghavi M**, Morteza Zadeh M, Kainimoghadan Z, Sabokbar N, Amirian A, Kordafshari A, Karimipour M, Karimipour M, Zeinali S. The analysis of haplotype in thalassemia deletions. **The 5<sup>th</sup> International and 10<sup>th</sup> National congress on Quality Improvement in Clinical laboratory**. 23-26 April, 2012, Tehran, IRAN. (\*Poster Presentation)

41. **Taghavi M**, Ahmadi S, Bayat F, Valaei A, Amirian A, Kainimoghadan Z, Mortezaazadeh M, Kordafshari A, Sanjari A, Sabokbar N, Choobini M, Sadegh Sh, Navabmoghadam F, Maryami F, Karimipour M, Karimipoor M, Zeinali S. Investigation of Hb variant among patients of Pasteur Institute of Iran. **European Human Genetic**.23-26 June, **2012**, Nürnberg, Germany. (\*Poster Presentation)
42. **Taghavi Basmanj M**, Davoudi Dehaghani E, Sanati M, Bagherian H, Sharifi Z, bayat F, Sarhadi A, Zeinali S. Novel Multiplex-PCR for detection of DFNB3 hearing loss among Iranian Deaf Children. **25<sup>th</sup> International Congress of Pediatrics**. 10-14 Oct, **2013**. Tehran ,IRAN (\*Oral Presentation)
43. **Taghavi Basmanj M**, Davoudi Dehaghani E, Sanati M, Bagherian M, Sharifi Z, bayat F, Sarhadi A, Zeinali S. Development of a novel multiplex PCR assay to detection of DFNB53 hearing loss among Iranian deaf individuals. **6<sup>th</sup> International Iranian Congress Laboratory& Clinic**. February 12-14, **2014**, Tehran, IRAN. (\*Poster Presentation)

#### **Research Interests:**

- Medical Genetics
- Cellular and Molecular Biology
- Molecular Medicine
- Prenatal Diagnosis
- Cancer Genetics

#### **Extra-Curricular Activities:**

Calligraphy

Painting (miniature)

Swimming

Writing

Pilates

Reiki training

Yoga

**Membership:**

- Iranian Biotechnology Society
- Iranian Genetic Society
- Member in welfare organization (supporting people afflicted with Down's syndrome)
- Member in fund raising activities to support cancer affected children

**Recommendation & Consents:**

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Institution: Pasteur Institute of Iran
- Name: D. D.Shahbaz Zaded  
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Institution: Pasteur Institute of Iran
- Name: D. B.Zarbakhsh  
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- Name: D. M.Sanati  
Department Name: Medical Genetics  
Institution: National institute of genetic Engineering and Biotechnology
- Name: D. Shahzaheh Fazeli  
Department Name: Dean of Iranian Biological Resource Center  
Institution: Iranian Biological Resource Center