Nejat Mahdieh

Rajaie Cardiovascular Medical and Research Center, Iran University of Medical Sciences, Tehran, Iran, nmahdieh@yahoo.com

Education

۲۰۱۱-۲۰۱۲: **Postdoctoral** fellowship, Division of Human Genetics, National Institute of Genetics, Mishsima, Shizuoka, Japan

۲۰۰٦-۲۰۱۰: **PhD** in Medical Genetics, Department of Medical Sciences, Tarbiat Modares University, Tehran, Iran

۲۰۰۱-۲۰۰٤: **M.Sc** in Human Genetics , Genetic Research Center, University of Welfare and Rehabilitation Sciences, Tehran, Iran

- Honored to be ۳rd (GPA: ۱۸.۳۲/۲۰)
- M.Sc thesis entitled, "Determination of ۳۵delG mutation of autosomal recessive non-syndromic hearing loss in Kermanshah population", under supervision of Dr. Kimia Kahrizi & Dr. Hossein Najmabadi

۱۹۹۷- ۲۰۰۱: **B.Sc** in Biology, Department of Biology, Faculty of Sciences, University of Razi, Kermanshah, Iran

- Honored to be ۳rd (GPA: ۱۷.۰۹/۲۰)

۱۹۹۵: High School **Diploma**, Kermanshah, Iran

- Honored to be ۱st

Professional experience

۲۰۱۵-*present:* **Head of Hospital Laboratories,** Rajaie Cardiovascular Medical and Research Center, Iran University of Medical Sciences

۲۰۱٤-*present:* **Director of Medical Genetics Laboratory,** Rajaie Cardiovascular Medical and Research Center, Iran University of Medical Sciences

۲۰۱۲- ۲۰۱٤: **Teaching,** Ilam University of Medical Sciences, Ilam, Iran

۲۰۱۱- ۲۰۱۲: **Project Researcher**, National Institute of Genetics, Shizouka, Japan

۲۰۱۰- ۲۰۱۱: **Teaching,** Ilam University of Medical Sciences, Ilam, Iran

۲۰۰۸: **Teaching,** University of Ilam Medical Sciences, Ilam, Iran

- Medical genetics for Medical & BSc students of Midwifery and Nursery

۲۰۰٤-۲۰۰۵: **Supervisor**, Medical Genetic Laboratory of Dr. Akbari, Tehran, Iran

- Genetic diagnosis of DMD by Multiplex PCR
- Genetic diagnosis of SMA by Multiplex PCR
- Paternity testing using VNTR and STR analysis

۲۰۰٤-۲۰۰۵: **Teaching,** Kermanshah University of Medical Sciences, Kermanshah, Iran

- Medical genetics for BSc students of Midwifery and Nursery

۲۰۰۳-۲۰۰٤: **Teaching,** University of Payam Nour, Abhar, Iran

- Principle of Genetics and Laboratory for BSc students of biology

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Patents and publications

۱. **Mahdieh N**, Rabbani B. Beta thalassemia in ۳۱,۷۳٤ cases with HBB gene

mutations: pathogenic and structural analysis of the common mutations; Iran as crossroad of the Middle East. Blood Reviews (Accepted)
http://dx.doi.org/١٠.١٠١٦/j.blre.٢٠١٦.٠٧.٠٠١

٢. Rabbani B, Nakaoka H, Akhondzadeh S, Tekin M, **Mahdieh N**. Next generation sequencing: implications in personalized medicine and pharmacogenomics. ***Mol Biosyst***. ٢٠١٦ Apr ١٢. [Epub ahead of print] Review.

٣. Bademci G, Foster J ٢nd, **Mahdieh N**, Bonyadi M, Duman D, Cengiz FB, ….., Tekin M. Comprehensive analysis via exome sequencing uncovers genetic etiology in autosomal recessive nonsyndromic deafness in a large multiethnic cohort. ***Genet Med***. ٢٠١٦ Apr;١٨(٤):٣٦٤-٧١.

٤. **Mahdieh N**, Mahmoudi H, Ahmadzadeh S, Bakhtiyari S. GJB٢ mutations in deaf population of Ilam (Western Iran): a different pattern of mutation distribution. ***Eur Arch Otorhinolaryngol***. ٢٠١٦ May;٢٧٣(٥):١١٦١-٥.

٥. Shiri, R, **Mahdieh, N**. An overview on thalassemia: Genetics of beta thalassemia in Iran. **Koomesh** ٢٠١٥;١٧(١):١-١٧

٦. [Sharifi A, Aminzadeh bookani M, Pourmoghaddam Z, Jozian F, **Mahdieh N**. A survey of Beta-Thalassemia Trait in Marriage Volunteers in Ilam: The Impact of National Guidelines for Prevention and Control of Thalassemia. ***Journal of ilam university of medical sciences***. ٢٠١٥; ٢٣ (٤) :١٤٨-١٥٧]

٧. Rabbani B, Tekin M, **Mahdieh N**. The promise of exome sequencing in medical genomics. ***J Hum Genet***. ٢٠١٤;٥٩(١):٥-١٥. *(Corresponding Author)*

٨. Maleki F, HaghaniK , Shokouhi S, Mahmoodi K, Sayehmiri K, **Mahdieh N**, Bakhtiyari S. A Case-Control Study on the Association of Common Variants of CAPN١٠ Gene and the Risk of Type ٢ Diabetes in an Iranian Population. ***Clinical Laboratory*** ٢٠١٤;٦٠

٩. [Sharifi A, Aminzadeh M, Pourmoghaddam Z, **Mahdieh N**. The frequency of common beta-thalassemia mutations among couples referred to health centers of Ilam during a five years period. ***Journal of ilam university of medical sciences***. ٢٠١٤; ٢٢ (٢) :١٧-٢٣]

١٠. [Mahmoodi H, mohamadiari S, sohrab jaidari M, kordi S, bakhtiari S, **Mahdieh N**. The frequency of mutations in GJB٢ gene in deaf subjects referring to the welfare center of Ilam: lack of ٣٥delG mutation. ***Journal of ilam university of medical sciences***. ٢٠١٤; ٢٢ (٣) :٤١-٤٥]

١١. [Havasian M R, Panahi J, **Mahdieh N**. Cystic fibrosis anddistribution and mutation analysis of CFTR gene in Iranian patients. ***Koomesh***. ٢٠١٤; ١٥ (٤) :٤٣١-٤٤٠]

١٢. [**Mahdieh N**, Rabbani B. Molecular Mechanism of Hearing and Different Types of Genetic Hearing Loss in Iran. **JBUMS**. ٢٠١٤; ١٦ (S١) :٢٧-٣٨]

١٣. Raeisi M, **Mahdieh N**, Bagherian H, Vahidi R, Masoudifard M, Zeinali S. A novel PCBD gene mutation in an Iranian patient with Hyperphenylalaninemia. ***Clinical Laboratory*** ٢٠١٣;٥٩(٧-٨):٩٢٥-٨.

۱۴. [**Mahdieh N**, Shirkavand A, Rabbani B, Akbari B, Akbari M, Zeynali S et al . Detection of mutations in the GJB۲ gene with MLPA probes in deaf heterozygotes . ***Pejouhesh***. ۲۰۱۳; ۳۶ (۵) :۹۳-۹۸]

۱۵. Davoudi-Dehaghani E, Zeinali S, **Mahdieh N**, Shirkavand A, Bagherian H, MA ... A transversion mutation in non-coding exon ۳ of the TMC۱ gene in two ethnically related Iranian deaf families from different geographical regions; evidence for founder effect. ***International journal of pediatric otorhinolaryngology*** ۲۰۱۳;۷۷(۵): ۸۲۱–۸۲۶

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۱۷. Diaz-Horta O, Duman D, Foster J ۲nd, Sırmacı A, Gonzalez M, **Mahdieh N**, Fotouhi N, ……, Tekin M. Whole-exome sequencing efficiently detects rare mutations in autosomal recessive nonsyndromic hearing loss. ***PLoS One***. ۲۰۱۲;۷(۱۱):e۵۰۶۲۸.

۱۸. Davoudi-Dehaghani E, Zeinali S, **Mahdieh N**, Shirkavand A, Bagherian H. Amplicon Secondary Structure Formation and Elongation during the Process of Sequencing. ***Journal of Proteomics & Bioinformatics*** ۲۰۱۲;

۱۹. Bagheri R, Rabbani B, **Mahdieh N**, Khanahmad H. PCR-ELISA: a diagnostic assay for identifying Iranian HIV seropositives**.** ***Molecular Genetics, Microbiology and Virology*** ۲۰۱۳; ۲۸(۳):۱۲۷-۱۳۱.

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۲۱. **Mahdieh N**, Shirkavand A, Rabbani B, Tekin M, Akbari B, Akbari MT, Zeinali S. Screening of OTOF mutations in Iran: a novel mutation and review. ***International Journal of Pediatric Otorhinolaryngology*** ۲۰۱۲;۷۶(۱۱):۱۶۱۰-۵.

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۲۳. Zeinali S, Tavakol ZK, Kianfar S, Kariminejad A, **Mahdieh N**, Hashemi M and Zeinali Z. Detection of Numerical Aneuploidy of Chromosomes X, Y, ۱۳, ۱۸ and ۲۱ in ۱۰۰ Blood and Fetals Samples by QF-PCR Method. ***Journal of Proteomics & Bioinformatics*** ۲۰۱۲, ۵;۶:۱۴۷-۱۵۱.

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۲۵. Ghasemi A, **Mahdieh N**, Tavallaei M, Aslani MM, Zafari Z, Shirkavand A,

Sharafi Farzad M , Naderi M, Azarban SH, Zeinali S. Design of a biological method for rapid elimination of PCR inhibitors in aged bone DNA. ***Clinical Laboratory*** ۲۰۱۲;۵۸(۷-۸):۶۸۱-۶۸۶.

۲۶. Rabbani B, **Mahdieh N**, Haghi Ashtiani MT, Sotoudeh A, Rabbani A. In silico structural, functional and pathogenicity evaluation of a novel mutation: an overview of HSD۳B۲ gene mutations. ***Gene*** ۲۰۱۲;۵۰۳(۲):۲۱۵-۲۱.

۲۷. Rabbani B, **Mahdieh N**, Haghi Ashtiani MT, Larijani B, Akbari MT, New M, Parsa Alan, Schouten JP, Rabbani A. Mutation Analysis of *CYP۲۱A۲* Gene in Iranian Population. ***Genetic Testing and Molecular Biomarkers***. ۲۰۱۲;۱۶(۲):۸۲-۹۰.

۲۸. **Mahdieh N**, Rabbani B, Shirkavand A, Bagherian H, Movahed ZS, Fouladi P, Rahiminejad F, Masoudifard M, Akbari MT, Zeinali S. Impact of consanguineous marriages in GJB۲-related hearing loss in the Iranian population: a report of a novel variant. ***Genetic Testing and Molecular Biomarkers***. ۲۰۱۱;۱۵(۷-۸):۴۸۹-۹۳.

۲۹. [Zafari Z, … **Mahdieh N**, … Zeinali S. Improvement in the I-PEP method and its effect on the outcome of low copy number DNA profiling. ***SJFM***, ۲۰۱۰; ۱۶ (۲) :۱۰۷-۱۱۷]. In Persian

۳۰. [Shirkavand A, **Mahdieh N**, ….., Zeinali S. Investigation of connexin ۲۶ mutations and three large deletions spanning connexin ۳۰ in ۶۳ Iranian families with autosomal recessive non-syndromic hearing loss. ***Modares Journal of Medical Sciences: Pathobiology*** ۲۰۱۰;۱۳(۲):۲۳-۳۲]. In Persian

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۳۲. Rabbani B, Mahdieh N, Haghi Ashtiani MT, Akbari MT, Rabbani A. Molecular diagnosis of congenital adrenal hyperplasia, regarding CYP۲۱A۲ gene in Iran. ***Iranian Journal of Pediatrics*** ۲۰۱۱;۲۱(۲):۱۳۹-۱۴۹.

۳۳. **Mahdieh N,** Shirkavand A, Raeisi M, Akbari MT, Zeinali S. Unexpected heterogeneity due to recessive and de novo dominant mutations of GJB۲ in an Iranian family with nonsyndromic hearing loss: implication for genetic counseling. ***Biochemical and biophysical research communications*** ۴۰۲(۲):۳۰۵-۷, ۲۰۱۰.

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۳۵. **Mahdieh N**, Rabbani B, Wiley S, Akabari MT, Zeinali S. Genetic causes of nonsyndromic hearing loss in Iran in comparison with other populations. ***Journal of Human Genetics*** ۵۵(۱۰):۶۳۹-۴۸, ۲۰۱۰.

٣٦. **Mahdieh N**, Bagherian H, Shirkavand A, Sharafi M, Zeinali S. High level of intrafamilial phenotypic variability of non-syndromic hearing loss in a Lur family due to delE١٢٠ mutation in GJB٢ gene. ***International Journal of Pediatric Otorhinolaryngology*** ٢٠١٠;٧٤:١٠٨٩-١٠٩١.

٣٧. Safinejad K, **Mahdieh N**, Mahdipour P , Yadegar L, Atri M, Javadi Gh. Sister Chromatid Exchange in Peripheral Blood Lymphocytes as a Possible Breast Cancer Risk Biomarker: a Study of Iranian Patients with Breast Cancer. ***Egypt. J. Med. Hum. Genet.*** Vol. ١٠, No. ١, May, ٢٠٠٩.

٣٨. **Mahdieh N**, Rabbani B. Statistical study of ٣٥delG mutation of GJB٢ gene: a meta-analysis of carrier frequency. ***International Journal of Audiology*** ٢٠٠٩; ٤٨:٣٦٣-٣٧٠.

٣٩. Rabbani B, Khanahmad H, Bagheri R, **Mahdieh N**, Zeinali S. Characterization of minor bands of STR amplification reaction of FVIII gene by PCR cloning. ***Clin Chim Acta.*** ٢٠٠٨ Aug;٣٩٤(١-٢):١١٤-٥.

٤٠. Ramazani HA, Kahrizi K, Razaghiazar M, **Mahdieh N**, Koppens P. The frequency of eight common point mutations in CYP٢١ gene in Iranian patients with congenital adrenal hyperplasia. ***Iranian Biomedical Journal*** ٢٠٠٨ Jan; ١٢ (١): ٤٩-٥٣ (January ٢٠٠٨).

٤١. **Mahdieh N**, Tafsiri E, Karimipour M, Akbari MT. Heterozygosity and allele frequencies of the two VNTRs (ApoB and D١S٨٠) in Iranian population. ***Indian Journal of Human Genetics*** ٢٠٠٥ January-April; ١١(١):٣٢-٣٥.

٤٢. Najmabadi H, Nishimura C, Kahrizi K, Riazalhosseini Y, Malekpour M, Daneshi A, Farhadi M, Mohseni M, **Mahdieh N**, Ebrahimi A, Bazazzadegan N, Naghavi A, Avenarius M, Arzhangi S, Smith RJH. GJB٢ mutations: Passage through Iran. ***Am J Med Genet*** ٢٠٠٥ ١٣٣A:١٣٢–١٣٧.

٤٣. Riazalhosseini Y, Nishimura C, Kahrizi K, Shafeghati Sh, Daneshi A, Jogataie MT, Mohseni M, **Mahdieh N**, Javan MK, Smith R, Najmabadi H. Δ (GJB٦-D١٣S١٨٣٠) is not a common cause of non-syndromic hearing loss in the Iranian population. ***Arch Iranian Med*** ٢٠٠٥; ٨ (٢): ١٠٤ – ١٠٨.

٤٤. **[Mahdieh N,** Ali-Madadi K, Nishimura C, Yazdan Y, Riazalhosseini Y, Totonchi M, Arzhangi S, Kazemi S, Smith RJH, Najmabadi H. Frequency Of Connexin٢٦ Gene Mutations In Autosomal Recessive Non-Syndromic Deafness In Kermanshah (٢٠٠٢-٤). ***Behbood*** ٢٠٠٥;٩(٢):٣٢-٤٠]. In Persian

٤٥. [Bazazzadegan N, Mirhosseini N, Ziaaddini H, Asadi AR, Kahrizi K, Arzhangi S, Astani A, Mohseni M, Riazalhosseini Y, **Mahdieh N,** Jalalvand Kh,. Smith RJH, Nishimura C, Najmabadi H. Relative frequency of ٣٥delG Mutation in GJB٢ in Autosomal Recessive Non-Syndromic Hearing Loss (ARNSHL) Patients in Kerman Population. Journal of Kerman University of Medical Sciences.

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٤٦. **Mahdieh N**, Nishimura C, Ali-Madadi K, Riazalhosseini Y, Yazdan H, Arzhangi S, Jalalvand K, Ebrahimi A, Kazemi S, Smith RJH, Najmabadi H. The Frequency of GJB٢ Mutations and the Δ (GJB٦-D١٣S١٨٣٠) Deletion as a Cause of Autosomal Recessive Non-syndromic Deafness in the Kurdish Population. ***Clin Genet***. ٢٠٠٤ Jun; ٦٥(٦):٥٠٦-٥٠٨.

Manuscripts under Review:

Books:

- English:

١. Chapter in book: Hearing Loss: Genetics of Hearing Loss; In Tech d.o.o. ISBN ٩٧٩-٩٥٣-٣٠٧-٢٧١-٤, ٢٠١٢.

- Persian:

٢. Translation of: Outlines in Genetics, ٤٥٠ solved problems, Susan Ellrod and William Stansfield. Saunders Ltd.; ٤ edition ٢٠١٠. By: **Mahdieh N,** Ide B and Fattahi Z. *Baraye Farda Publisher*, ٢٠١١.

٣. [A Comprehensive Source of Biochemistry Questions] ١st *edition.* **Mahdieh N,** Zarei R, Sanjarypour M and Davoudian N*, Baraye Farda Publisher*, under publication

٤. [A comprehensive review on Biochemistry] ١st *edition.* **Mahdieh N**, Zarei R, Sanjarypour M and Davoudian N, *Baraye Farda Publisher*, ٢٠١١

٥. [A comprehensive review on genetics] ٢*ed edition.* **Mahdieh N***, Baraye Farda Publisher*, ٢٠١٠**.** And ٢*ed edition* ٢٠١١*.*

٦. [Dictionary of Genetics & Cell and Molecular Biology] ١th edition. **Mahdieh N**, Farashi S, Hosseini M. *Baraye Farda Publisher*, ٢٠١٠

٧. [A Comprehensive Source of Genetic Questions] ٢*ed edition.* **Mahdieh N***, Baraye Farda Publisher*, ٢٠١٠

٨. Translation of: Emery's element of medical genetics, Peter Turnpenny and Sian Ellard. Saunders Ltd.; ١٣ edition ٢٠٠٦. By: **Mahdieh N,** Rabbani B. *Baraye Farda Publisher*, ٢٠٠٨. And ١٤ edition ٢٠١٢.

٩. [A comprehensive review of biochemistry] Ramezani A., **Mahdieh N.**, Kohan nia N. *Jame-Negar Publisher*, ٢٠٠٨.

١٠. [Multiple choice questions of postgraduate: Bioechnology examinations] Ramazani A, Sarmadi M, **Mahdieh N**. *Jame-Negar Publisher* ١st *ed* ٢٠٠٨ *and*

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۱۱. [Novel issues in biotechnology] Ghasempour H.R., **Mahdieh N.**, Kahrizi D. *University of Razi Publisher,* ۲۰۰۷.

۱۲. Translation of: Emery's element of medical genetics, Peter Turnpenny and Sian Ellard. Saunders Ltd.; ۱۲ edition ۲۰۰۵. Noori Daloii Mohamad Reza, Collaborated by: **Mahdieh N.** *Jame-Negar Publisher*, ۲۰۰۷.

۱۳. [Scientific writing in biology] Ghasempour H.R., **Mahdieh N.** *University of Razi Publisher,* ۲۰۰٦.

۱٤. [Multiple choice questions of postgraduate: Molecular and Cell Biology examinations] Hosseini B., **Mahdieh N**. *Baray-e-Farda Publisher*,۱st ed ۲۰۰٤, Second Edition ۲۰۰٦.

۱٥. [A Review on Genetics] **Mahdieh N**. *Baray-e-Farda Publisher*, ۲۰۰٥.

۱٦. [A Review on Molecular Biology] Mirmomeni MH, Vatandoost J. Edited By: **Mahdieh N**. *University of Razi Publisher*, ۲۰۰٥.

۱۷. Translation of: Gunter Kahl. The Dictionary of Gene Technology. Wily-VCH; ۲۰۰۱, Second Edition. Salahshourifar I., Garshasbi M., **Mahdieh N**. *Jame Negar Publisher*, ۲۰۰٥.

۱۸. Translation of: Gardner A. Havel R. Davis T. Human genetics: ۲۰۰۰. Behjati F. Collaborated by: Ebrahimi A., Rezaee K., **Mahdieh N.**, Yadegari H. *University of Welfare and Rehabilitation Publisher,* ۲۰۰٤.

۱۹. [Multiple choice questions of postgraduate: genetic examinations] Mosavi H., **Mahdieh N**., Garshasbi M. *Salemi Publisher*, ۱st edition ۲۰۰۲ and ۲nd edition ۲۰۰٥.

International Congress Abstracts:

۱. (۱٤۲٤/T) Determining the effect of bacterial infection of human remains on the quality and quantity amplifying of aged bone DNA. A. Ghasemi, M. Tavallaei, M. Naderi, S. Habibi, M. M. Aslani, A. T. Hajizade Sharif, **N. Mahdieh**, M. Sarafi Farzad, M. Kargar, F. Kafilzadeh, A. Shirkavand, Z. Zafari, S. Zeinali. ***The American Society Of Human Genetics*** Washington, DC November ۲-٦, ۲۰۱۰

۲. (P۱۲.۰٥٤) DFNB۱ hearing loss in Iran. **N. Mahdieh**, A. Shirkavand, M. Raeisi, H. Bagherian, Z. Shahab Movahed, M. Masoudifard, M. Mashayekhi, F. Keshavarzi, S. Zeinali. ***The European Society of Human Genetics*** Gothenburg, Sweden - June ۱۲ - ۱٥, ۲۰۱۰

۳. (P۱۲.۰۸۸) Phenotypic variability of non-syndromic hearing loss in a Lur family due to delE۱۲۰ mutation in GJB۲ gene. **N. Mahdieh**, H. Bagherian, A. Shirkavand, M. Sharafi, S. Zeinali. ***The European Society of Human Genetics*** Gothenburg, Sweden - June ۱۲ - ۱٥,

٢٠١٠

٤. (P١٢.١٠٩) A novel PCBD gene mutation in an Iranian patient with Hyperphenylalaninemia. M. Raeisi, **N. Mahdieh**, H. Bagherian, R. Vahidi, M. Masoudifard, S. Zeinali. ***The European Society of Human Genetics*** Gothenburg, Sweden - June ١٢ - ١٥, ٢٠١٠

٥. (P١٣.٠٤) Analysis of CYP٢١A٢ gene mutations in Iranian population. B. Rabbani, **N. Mahdieh**, R. Bagheri, E. Zaridust, B. Larijani, M. Haghi Ashtiani, F. Sayarifar, M. Akbari, A. Rabbani. ***The European Society of Human Genetics*** Gothenburg, Sweden - June ١٢ - ١٥, ٢٠١٠

٦. (P١٥.٠١) Quantitative Study of bacterial DNA effects on aged bone DNA amplification A. Ghasemi, **N. Mahdieh**, M. Tavallaei, M. Aslani, M. Kargar, F. Kafilzadeh, R. Yaghoubi, A. Shirkavand, Z. Zafari, S. Zeinali; ***The European Society of Human Genetics*** Gothenburg, Sweden - June ١٢ - ١٥, ٢٠١٠

٧. (P١٥.١٥) Comparison of PEP and nested PCR for analysis of single cell and low quantity DNAs M. Mashayekhi, K. Parivar, **N. Mahdieh**, M. Raiesi, M. Masoudifard, M. Asheri, F. Keshavarzi, S. Zeinali. ***The European Society of Human Genetics*** Gothenburg, Sweden - June ١٢ - ١٥, ٢٠١٠

٨. (A-١٠-١٠٦-٤) Heterozygosity and allele frequencies of the two VNTRs (ApoB and D١S٨٠) in Iranian population. **Mahdieh N**, Akbari MT. ***١٠th Congress of Iranian Genetics Society***, Tehran, Iran, May ١٩-٢١, ٢٠٠٨.

٩. Quantification of hTERT expression and telomerase activity in breast cancer. **Mahdieh N**, Rabbani B, Bagheri R, Mohagheghi MA, Rabbani A. ***١٠th Congress of Iranian Genetics Society,*** Tehran, Iran, May ١٩-٢١, ٢٠٠٨.

١٠. (A-١٠-١٠٦-٦) Molecular and clinical utility of telomerase in cancer therapy. Rabbani B, **Mahdieh N.** ***١٠th Congress of Iranian Genetics Society,*** Tehran, Iran, May ١٩-٢١, ٢٠٠٨.

١١. (A-١٠-١٠٦-٣) Statistical study of connexin ٢٦ mutations: a meta-analysis approach. Rabbani B, **Mahdieh N**. ***١٠th Congress of Iranian Genetics Society,*** Tehran, Iran, May ١٩-٢١, ٢٠٠٨.

١٢. (P٠٦٥٨) Predominance of W٢٤X and absence of ٣٥delG mutations in the Baloochi and Sistani deaf population of Iran: a different population. A. Naghavi, C. Nishimura, K. Kahrizi, Y. Riazalhosseini, H. Suraki Aliabadi, S. Sheykhani, **N. Mahdieh**, R. J. H. Smith, H. Najmabadi; ***The European Society of Human Genetics,*** Prague Congress Center, Prague, Czech Republic, Saturday, May ٧ – Tuesday May ١٠, ٢٠٠٥.

١٣. (P٠٦٢٨) ARNSD, GJB٢ Mutations and the Δ (GJB٦-D١٣S١٨٣٠) Deletion in Kurdish Population. **N. Mahdieh**, C. Nishimura, K. Ali-Madadi, H. Yazdan, Y. Riazalhosseini, S. Arzhangi, R. Smith, H. Najmabadi; ***The European Society of Human Genetics,*** Prague Congress Center, Prague, Czech Republic, Saturday, May ٧ – Tuesday May ١٠, ٢٠٠٥.

١٤. Predominance of W٢٤X and absence of ٣٥delG mutations in the Baloochi and Sistani deaf population of Iran: a different population (١٩٧٠). A. Naghavi, C. Nishimura, K. Kahrizi, Y. Riazalhosseini, S. Rigi, **N. Mahdieh**, R. J. H. Smith, H. Najmabadi. ***The American Society of Human Genetics ٢٠٠٥,*** Salt Lake City, Utah, ٢٥-٢٩ October, ٢٠٠٥.

١٥. Evaluation of the GJB٦ large deletion in the Iranian patients with autosomal recessive non-syndromic hearing loss.(٢٥٥٨). Y. Riazalhosseini, C. Nishimura, K. Kahrizi, A. Daneshi, S. Arzhangi, M. Mohseni, **N. Mahdieh**, M. Avenarius, R. J. H. Smith, H. Najmabadi. ***The***

American Society of Human Genetics ٢٠٠٤, ٥٤th Annual Meeting, October ٢٦-٣٠, ٢٠٠٤,Toronto, Canada.

١٦.GJB٢ mutations - passage through Iran (٢٥٤٩). K. Kahrizi, C. Nishimura, Y. Riazalhosseini, M. Malekpour, A. Daneshi, M. Farhadi, M. Mohseni, **N. Mahdieh**, N. Bazazzadegan, A. Naghavi, M. Avenarius, K. Javan, R. J. H. Smith, H. Najmabadi. ***The American Society of Human Genetics*** ٢٠٠٤, ٥٤th Annual Meeting, October ٢٦-٣٠, ٢٠٠٤, Toronto, Canada.

١٧.(P٠٥٥٤) GJB٢ Mutations and the Δ (GJB٦-D١٣S١٨٣٠) Deletion as cause ofARNSD in Kurdish Population. **Mahdieh N**, Nishimura C, Ali-Madadi K, Riazalhosseini Y, Yazdan H, Arzhangi S, Ebrahimi A, Kazemi S, Smith R, Najmabadi H. ***The European Society of Human Genetics***; Munich, Germany, Saturday June ١٢-Tuesday June ١٥.

١٨. (P٠٣٧٦)The Frequency of Human Papillomavirus Infection in Iranian Patients with Cervical Cancer. Kohannia N, Keyhani E, **Mahdieh N**, Izadi N, Lotfian M, Keikhaee MR, Amini R, Najmabadi H. ***The European Society of Human Genetics***; Munich, Germany, Saturday June ١٢-Tuesday June ١٥.

١٩.(P٠٥٥٦) Δ (GJB٦-D١٣S١٨٣٠) is not a common cause of deafness in Iran. **Y.** Riazalhosseini, C. Nishimura, K. Kahrizi, A. Daneshi, S. Arzhangi, M. Mohseni, **N. Mahdieh**, M. Avenarius, M. Joghataie, K. Jalalvand, R. J. H. Smith, H. Najmabadi; ***The European Society of Human Genetics***; Munich, Germany, Saturday June ١٢-Tuesday June ١٥.

٢٠.The prevalence of GJB٢ mutation in Baloochi population in Iran. Naghavi A, Kahrizi K, Oveysi J, Shakiba M, Bazazzadegan N, **Mahdieh N**, Nishimura C, Smith R, Najmabadi H. ***Third Iranian Congress of Genetics Disorders and Disabilities,*** ٢٧Nov-١Dec. ٢٠٠٤, Tehran-Iran.

٢١. Six Years Genetic Investigation among Iranian Deaf Population. Najmabadi H, Nishimura C, Kimia K, Riazalhosseini Y, Malekpour M, Daneshi A, Farhadi M, Mohseni M**, Mahdieh N**, Ebrahimi A, Bazazzadegan N, Naghavi A, Avenarius M, Arzhangi S, Smith RJH. ***Third Iranian Congress of Genetics Disorders and Disabilities,*** ٢٧Nov-١Dec. ٢٠٠٤, Tehran-Iran.

٢٢.Frequency of Connexin ٢٦ ٣٥delG Mutation Among Kurdish Patients With Non-syndromic Sensorineural Hearing Loss in Kermanshah, the West of Iran. **Mahdieh N**, Ali-Madadi K,Yazdan Hilda, Dehghan AA, Arzhangi S, Ebrahimi A, Kazemi S, Riazalhosseini Y, Najmabadi H. The ٥٣rd Annual Meeting of the ***American Society of Human Genetics*** ٢٠٠٣ will be held in Los Angeles, California, from Tuesday, November ٤, through Saturday, November ٨.

٢٣. Δ (GJB٦-D١٣S١٨٣٠) is not a frequent DFNB١-causing allele in the Iranian population. Riazalhosseini Y, Jalalvand Kh, Arzhangi S, Mohseni M, Nishimura C, **Mahdieh N**, Ebrahimi A, Najmabadi H, Smith RJH. The ٥٣rd Annual Meeting of ***the American Society of Human Genetics*** ٢٠٠٣ will be held in Los Angeles, California, from Tuesday, November ٤, through Saturday, November ٨.

٢٤.Frequency of Connexin ٢٦ ٣٥delG Mutation In Kurdish Patients With Hereditary Hearing Loss In Iran. **N Mahdieh** , K Ali-Madadi, H Yazdan , AA Dehghan, S Arzhangi, A Ebrahimi, Y Riazalhosseini, S Kazemi , H Najmabadi . ***Global Challenge - Regional Focus Advances In Community & Preventive Genetics*** ٩TH -١١TH December ٢٠٠٣.

٢٥.Δ(GJB٦-D١٣S١٨٣٠) is not a frequent DFNB١-causing allele in the Iranian population.Y. Riazalhosseini, Kh. Jalalvand, S. Arzhangi, M. Mohseni, C. Nishimura, **N. Mahdieh** , A. Ebrahimi, H. Najmabadi, R.J.H. Smith. ***Global Challenge - Regional Focus Advances In***

Community & Preventive Genetics ٩TH -١١TH December ٢٠٠٣

٢٦. Detection of ٣٥delG mutation frequency in connexin-٢٦ gene among deaf patients using ARMS-PCR, in Hamedan province of Iran. Ebrahimi Ahmad, **Mahdieh Nejat,** Arzhangi Sanaz, Riazalhosseini Yaser,Najmabadi Hossein. ***Global Challenge - Regional Focus Advances In Community & Preventive Genetics*** ٩TH -١١TH December ٢٠٠٣.

٢٧. Study of (CA)n repeat polymorphic site for diagnosis of α-thalassemia in the Iranian patients. M. Garshasbi, M. Ohadi, S. Abassi, E. Keyhany, L. Abassi, **N. Mahdieh**, M. Neishabury, H. Najmabadi; Second ***Iranian Congress of Genetics Disorders and Disabilities***, ٧-١١ Dec. ٢٠٠٢, Tehran-Iran

Presented Seminars Topics in MSc & PhD Courses:

١. Molecular Bases of Breast Cancer.
٢. Molecular Basis of Fragile X Syndrome and Comparison of its Diagnostic Methods.
٣. Mechanisms of Genomic Imprinting & its Role in Genetics Diseases.
٤. An Overview on Genetics of Myotonic Dystrophy.
٥. Study of Methylation: Role in Gene Silencing.
٦. Mechanism of Trinucleotide Expansion in Genetic Disorders.
٧. Comparison of RNA antisence and RNA Interference Techniques.
٨. Alu Repeats and Genome Evolution in Primates.
٩. The Role of Mitochondrial Genome in Genomic Instability of Human Cancers.
١٠. Gene Regulation in Prokaryotes (Lac Operon especially).

Additional professional activities

Project involved:

٢٠١٥-Present:

- Genetic study of congenital heart disease in Iranian population
- Genetic study of PKP٢ mutations in ARVC patients

٢٠١١-٢٠١٢: Collaboration with National Institute of Genetics, Shizuoka, Japan

- Development of database for human genomic variants identified by next-generation sequencer

٢٠٠٩-٢٠١١: Collaboration with Kawsar Institute of Human Genetics, Tehran, Iran

- Molecular study of nonsyndromic hearing loss in Iranian popuation

٢٠٠٤-٢٠٠٨: Collaboration with Institute of Growth and Development, Tehran University of Medical Sciences, Tehran, Iran

- Molecular diagnosis of congenital adrenal hyperplasia due to ٢١-hydroxylase deficiency
- Diagnostic cytogenetic analysis for detection of chromosomal abnormalities in

children

Collaboration with Genetic Research Center, University of Welfare and Rehabilitation Sciences, Tehran, Iran

Collaboration *with* Organization of Welfare and Rehabilitation, Feb ٢٠, ٢٠٠٦- May ٢١, ٢٠٠٦.

٢٠٠٣: Setting up of cytogenetic techniques in Razi Laboratory. Razi Laboratory, Kermanshah, Iran.

٢٠٠١-٢٠٠٣: Study of genes involved in Inherited Deafness in Iranian population. Genetic Research Center, University of Welfare and Rehabilitation Sciences, Tehran, Iran

٢٠٠١-٢٠٠٢: Study of genes involved in sex liked mental retardation in Iranian population. Genetic Research Center, University of Welfare and Rehabilitation Sciences, Tehran, Iran

Professional memberships

٢٠١٥-٢٠١٧: Member of Managing Committee of Iranian Society of Medical Genetics

Member of Scientific Committee of Second International & Fourteenth Iranian Genetics Congress. May ٢١-٢٣, Tehran, Iran

٢٠١١-present: Editorial board of "World Journal of Otolaryngology"

٢٠١١: Certified State registered as Medial Geneticist (Iranian Medical Council)

٢٠٠٨: Scientific membership of “Rahe Tandorosti” magazine

٢٠٠٥-pesent: Scientific management and membership of “Jame-Negar” Publisher

٢٠٠٤- present: Scientific management and membership of “Baray-e-Farda” Publisher

٢٠٠٤: Certificate for Genetic counseling from Organization of welfare and rehabilitation, Tehran, Iran

Languages

Native language: Kurdish

First Language: Persian (Farsi)

Second Language: English

Community

٢٠٠٨: Iranian Society of Medical Genetics

activities	٢٠٠٦: Collaboration with Organization of Welfare and Rehabilitation, Feb ٢٠, ٢٠٠٦-May ٢١, ٢٠٠٦. ٢٠٠٦-٢٠٠٤: Collaboration with Genetic Research Center, University of Welfare and Rehabilitation Sciences, Tehran, Iran ٢٠٠٢: Organizer of Second Iranian Congress of Genetics Disorders and Disabilities, Tehran, Iran, ٧-١١ Dec ٢٠٠٢. ٢٠٠٢: Collaborated with University of Welfare and Rehabilitation Magazine ٢٠٠١-٢٠٠٤: Collaboration with Genetic Research Center, University of Welfare and Rehabilitation Sciences, Tehran, Iran
Objective	Medical and Clinical Genetics
Extracurricular activities	*Computer & Internet:* Operate Word Processing, Power Point, Photoshop, Biostatistics and research data analysis and application of software like SPSS, Excel, Bioinformatics: Sequence analysis and restriction analysis with BioEdit software, Primer design software like GeneRunner, Photo Cap, BLAST, TRF, SERV, Perimer٣, …
Accreditations	*Techniques Familiar With:* • Nucleic acids purification by different methods • Chromosome analysis and Karyotyping • Chromosome Banding Techniques like G, C, Q- banding • Cell culture • Preparation of CVS • Nucleic acids amplification by PCR, Primer design, system setup and optimization • Molecular Methods like: Multiplex-PCR, SSCP, RFLP-PCR, Heteroduplex Analysis, (Amplification Refractory Mutation System) ARMS-PCR or Allele-Specific PCR, Linkage Analysis (STR and VNTR Analysis) • MLPA, Real-time PCR • Cloning of DNA fragments in plasmids (vectors), competent cell preparation and transformation, Cloning and sub-cloning procedure • Electrophoresis: PAGE, Agarose • Next-Generation Sequencing software: BWA, SAMtools, GATK, …
Hobbies	Sport: Darts, Tennis, Chess Studying, Poetry Calligraphy

Interests and activities	Genetics (Medical, Clinical, Human And Molecular Genetics) Molecular Mechanism of Diseases, Mutation Detection Cytogenetics (Karyotyping)
Awards received	▪ Honored to be ٣rd on a role student of M.Sc. ▪ Honored to be ٣rd on a role student of B.Sc.