

CURRICULUM VITAE

December 2023



Personal information:

First name: Jafar

Last name: Mehrabi Sisakht

Date & Place of birth: September 16, 1983, Padena Region, Semrom, Esfahan, Iran.

Marital Status: Married

Citizenship: Iran

Address: Shiraz university of medical sciences, Fars province, Shiraz, Iran

Phone: +98-71-32349610

Mobile: +98-939-779 8422, +98-913-275-0513

Email: Mehrabisj@Gmail.com, jafar_mehrabi@yahoo.com

Education:

PHD in Medical Genetics (2018-2022)

Phd Student of Medical Genetics, University of Social Welfare and Rehabilitation Sciences, Tehran, Iran.

Thesis title “**Investigating the spectrum and genetic causes of rare red blood cell disorders with clinical presentation of anemia using next generation sequencing in 20 families referred from specialized centers to Genetic Research Center.**”

MSc. in Human Genetics (2010-2012)

Shiraz University of Medical Sciences, Shiraz, Shiraz, Iran

- Thesis title “**Evaluation of Gene Expression pattern of IL1B and IL10 Cytokines following vitamin C Administration Among Brain-Dead Liver Donors**”

BSc. in Cell and Molecular Biology (Mar 2006)

Kharazmi University, Karaj, Tehran, Iran

Skills:

- Gene Cloning
- DNA and RNA Isolation
- CDNA Synthesis
- PCR, RFLP-PCR, RT-PCR
- Real Time-PCR methods
- Gel Electrophoresis

Bioinformatics:

- Fluent in **GATK 4.2.2.1**
- Fluent in **GATK best practice**: from FastQ to high confidence variant calls (latest pipeline)
- Fluent in **IGV**
- Fluent in **AnnoVar 2022**
- Fluent in **ensembl variant effect prediction(vep)**
- Fluent in **NGS Data Analysis (Linux based)**
- Fluent in **R and Python programing language.**

- Primer designing by Allele ID 6, primer premier and Primerplex Software, NCBI primer Blast, primer 3 plus.

- Excellent knowledge with several biological websites like UCSC genome browser, mutation discovery, ensemble, neb cutter, bioinformatics.

Educational Software:

- Excellent knowledge of Linux OS (**Ubuntu 18.04**),
- Excellent knowledge of Microsoft Windows OS, Microsoft Office 2006 to 2013 (Word, Excel and PowerPoint)
- Statistical analysis by **SPSS**
- Reference writing) EndNote X9(

Research Interests:

- Neuroscience
- Clinical Genetics
- Cytogenetic

Publications:

- 1. **Sisakht JM**, Khosravi MB, Milani S, Kazemi M, Tabei SMB. Evaluation of Gene Expression Pattern of IL1B and IL10 Cytokines Following Vitamin C Administration among Brain-Dead Liver Donors. Iran Red Crescent Med J. 2016;18(12): e44311.
- 2. Kazemi M, Tabei SMB, Najafizadeh K, **Sisakht JM**, Milani S, Khosravi MB. Evaluation of the Effect of Ascorbic Acid Administration on Gene Expression Level of IL-6 and TNF- α Cytokines in Deceased Donors. Iran J Allergy Asthma Immunol. 2015;14(2):149-57.

- 3. **Sisakht JM**, Mehri M, Najmabadi H, Azarkeivan A, Neishabury M. Genetic Diagnosis of Pyruvate Kinase Deficiency in Undiagnosed Iranian Patients with Severe Hemolytic Anemia, using Whole Exome Sequencing. Arch Iran Med. October 2022;25(10):691-697
- 4. Farkhondeh Behjati, Seyede Fahimeh Mousavi, Akram Abdi, Fatemeh Vand Rajab, **Jafar Mehrabi Sisakht**, Atefeh Dokhanchi, Ensieh Ghadami, Roghaieh Vahedi, Fatemeh Moghadasi, Leila Shajareh pour, Kamran Bahadori, Abootaleb Saremi, Eiman Bagherizadeh. Cytogenetic Investigation of Patients with Infertility, Recurrent Abortions, and Unsuccessful Assisted Reproductive Technologies (ARTs) Referred to Sarem Women's Hospital in Tehran Between 2006 and 2017. SJMR 2020, 4(4): 187-193.

Participate in the workshops:

1. The National Proteomics Congress
2. The First International Student Congress On Cell and Molecular Medicine
 - as a passive participant
 - has attended the workshop entitled “Gene Delivery”
3. PCR Workshop
4. Real-time PCR Workshop
5. SDS-PAGE and Western Blot Workshop
6. Endnote x8 Workshop
7. SPSS Workshop
8. How to read a paper workshop
9. Safety and protection in the Bio-Medical laboratory
10. Education on the research methods and methods of Epidemiology

References:
Will be provided upon request.