1. Personal and Contact Information:

First and Last Name: Hamidreza Khodadadi

Academic Rank: Associated professor

Email: Khodadadi.Hamidreza@gmail.com

Mobile Number: 09143105033

Office Phone Numbr: 06633218042

Date of Birth: 1978-6-26

Marital Status: Married

2. Education:

Human Genetic, Babol University of Medical Sciences , Babol, Iran, 2013

Molecular analysis of vitamin D receptor gene polymorphisms rs2228570 (FokI) and rs1544410 (BsmI) in patients with Behcet's Disease

Supervisor: Dr.seyed Mohamad Hosein Ghaderian/Dr.Ebrahim Sakhi Nia

Advisor:Dr.Alireza Khabbazi

PhD: Medical Genetic, Shahid Beheshti University of Medical Sciences, Tehran, Iran, 2017

Genetic analysis of Iranian families with intellectual disability associated with movement disorders.

Supervisor: Dr.Hosein Darvish/Dr.Mir Davod Omrani

Advisor: Dr.Masood Garshasbi/Dr.Abbas Tafakhori

3. Scientific Position:

1. Associated professor of medical genetics, Lorestan University of Medical Sciences (2020 – Present)

4. Executive Position:

Head of MADAR Medical Genetics Diagnostic Center

5. Teaching Experiences:

Teaching Medical Genetics in Lorestan University of Medical Sciences

6. Clinical Experiences:

Head of MADAR Medical Genetics Diagnostic Center since 2017

7. Research Field:

Neuro science

8. Advisor:

I. **Autologous Transplantation of Isolated Neural Stem Cells from Sub-Ventricular Zone into Contusive Spinal Cord Injured Rat in Chronic Phase**

II. **Identification of mutations in the phenylalanine hydroxylase gene in patients with phenylketonuria in Lorestan province**

9. Papers:

English:

1- **Khodadadi H**, Azcona LJ, Aghamollaii V, Omrani MD, Garshasbi M, Taghavi S, Tafakhori A, Shahidi GA, Jamshidi J, Darvish H, Paisán-Ruiz C ,PTRHD1 (C2orf79) Mutations Lead to Autosomal-Recessive Intellectual Disability and Parkinsonism., Movement Disorders, Vol. 32, No. 2, 2017

2- Inlora J, Sailani MR1, **Khodadadi H**, Teymurinezhad A, Takahashi S, Bernstein JA, Garshasbi M, Snyder MP6 . Identification of a novel mutation in APTX gene associated with Ataxia-oculomotor apraxia..Cold Spring Harb Mol Case Stud. 2017 Jun 26. pii: mcs.a002014. doi: 10.1101/mcs.a002014.

3- Hosseini A, Shanehbandi D, Estiar MA, Gholizadeh S, Khabbazi A, **Khodadadi H**, Sakhinia E, Babaloo Z . A Single Nucleotide Polymorphism in the FOXP3 Gene Associated with Behçet's Disease in an Iranian Population.Clin Lab. 2015;61(12):1897-903.

4- Kolahi, A Khabbazi, **H Khodadadi**, MA Estiar, H Hajialiloo, L Emrahi, E Sakhinia, Scand J . Vitamine D receptor gene polymorphisms in Iranian Azary patients with Behcet's Disease.S Rheumatol ; 2014,1-5

5- **H Khodadadi**, A Khabazi, S Ghaderian, H Niaki, M Estiar, L Emrahi, , Ebrahim Sakhinia . Molecular analysis of vitamin D receptor gene polymorphisms rs2228570 (FokI) and rs1544410 (BsmI) in patients with Behcet's Disease**,** ; Life Science Journal 2013;10(4)

6- **H Khodadadi**, L Emrahi, M Estiar, E Sakhinia, S Ghaderian . Expression of Human Toll-Like Receptor Genes and Vitamin D Receptor Gene Variants in Behçet's Disease, , NATIONALPARK-FORSCHUNG IN DER SCHWEIZ (Switzerland Research Park Journal), Vol 102, No 12 (2013)

10.Books :

1- **Male Germline Stem Cells : Developmental and Regenerative Potential**

Supervisor : Dr Mir davood Omrani

Dept.of Human Genetics

Shahid Beheshti university of Medical sciences

Authors and Translators :

Hamidreza khodadadi , Romina dastmalchi , Somaye zamani , Sara Omrani , Mahnaz seif , Roshanak Shams , Zahra Fazeli ,Pega Lorki. 2015

11.Workshops (Teaching):

I. **linux operating system** (Teaching in Lorestan University of Medical Sciences)

II. **Blood peripheral karyotyping** (Teaching in Lorestan University of Medical Sciences)

12. Inventions and Inventions:

Found new candidate gene cause of intellectual disability associated with parkinsonism :
PTRHD1 Gene

13. Research Projects (Executor, Collaborator):

I. Identification of mutations in the phenylalanine hydroxylase gene in patients with phenylketonuria in Lorestan province

II. Investigation of novel genes and mutations in patients with hearing loss of unknown cause referred to the Madar laboratory in Lorestan province in 2019-2021

14.General Skills:

Lab skills:

1) Preimplantation genetic testing (PGT)
2) Lymphocyte and Amniotic fluid Culture, harvesting and Slide preparation in Cytogenetic Ward and distinguish chromosomes with each other .

[Cell culture (Blood, Amniotic fluid, Karyotyping, Cell Harvest and Banding, Chromosome analysis)].

3) Prenatal and postnatal diagnoses of disease e.g. Thalassemias , Hemoglobinopathies and Spinal muscular atrophy etc.

4) Mutation detection techniques, (MLPA , QF, SSCP, ARMS, long- ranged, Multiplex and RFLP -PCR , Real time PCR)

5) Gene Cloning

6) Routine bacterial cell culture technique (bacterial cultivation, preparation and transformation of competent cells)

7) Biochemistry routines (automatic analyser operation)
8) Hematology routines (Microscopy and Cell counter operation)
9) Serology routines
10) Hormone routines
11) Urine Analaysis (microscopy)
12) Blood Banking routines

Computer Skills :

1) Next-generation Sequencing (NGS) data analysis

2) DNA Sequence analysis (Assembly , Alignment & Mutation detection)

3) General Computer skills and ICDL skills with **Linux** & **Windows** operating system

4) Bioinformatics analysis & Statistical Computing using R software environment