Aida Ghasemi

Specialty: Human Genetics

Birthdate: September 6, 1998

E-mail: a-Ghasemi@farabi.tums.ac.ir, aidaghasemi58@yahoo.com

Phone number: +98 9366342748

Research Links:

• ResearchGate Profile: https://www.researchgate.net/profile/Aida-Ghasemi

• Google Scholar Profile: https://scholar.google.com/citations?hl=en&user=RvJRs3UAAAAJ



Education

Date	Degree	Duration	Institution	Country/City	Major/Situation	Average mark
2020-2023	M.Sc.	3 years	University of social welfare and rehabilitation (USWR)	Iran/ Tehran	Human Genetics Talented student	19.05 / 20
2016-2020	B.Sc.	4 years	Shiraz university of medical sciences (SUMS)	Iran/ Shiraz	Medical Laboratory Sciences Talented student	18.15 / 20
2012-2016	Diploma	4 years	Farzanegan high school (SAMPAD)	Iran/ Abadeh	Experimental Science	19.90 / 20

Research Interests

- Neurodegenerative & Neuromuscular disorders (e.g., Amyotrophic Lateral Sclerosis (ALS), Hereditary Spastic Paraplegia (HSP), Neurodegeneration with Brain Iron Accumulation (NBIA), Neuroacanthocytosis (NA), Charcot Marie Tooth (CMT), Mucolipidosis, Myasthenic Syndromes, Primary Familial Brain Calcification (PFBC), Myopathy))
- Gene finding approaches (e.g., whole exome sequencing)
- Human/ Medical Genetics

Fields of Specialization

Laboratory Skills: General & Medical laboratory techniques (Sampling, Chemistry, Hematology, Microbiology, Immunology, Cytology)

Genetics Techniques: Human/Medical Genetics (DNA extraction, RNA extraction, PCR, real-time PCR, NGS analyzing (secondary & tertiary), Primer design, Cell culture, Gel extraction, Electrophoresis, Karyotyping, Sanger sequencing, etc.)

Scientific Investigation: Particularly in neurodegenerative and neuromuscular diseases

Writing and Editing: Translating, writing, and revising scientific articles

Software Proficiency: Microsoft office, Ubuntu, IGV, GeneRunner, Codoncode aligner, Sequencher, Automap, Annovar, Expansion hunter, BWA, Endnote, SPSS, and various bioinformatics software

Language Ability

Persian: Native

English: Fluent (Diploma from Iranian language institute)

M.Sc. Thesis Title

Evaluation of copy-number variations (CNVs) in 15 Iranian hereditary spastic paraplegia (HSP)-affected families to find the probably disease-causing genetic variants.

Thesis score: 20 / 20

Publication

Journals

Year	Journal name	Article title	Vol. & Page
2022	Neurological Sciences	The second family affected with a <i>PRDM8</i> -related disease	2022 Jun;43(6):3847-3855. doi: 10.1007/s10072-021-05815-w.
2023	Razi Journal of Medical Sciences	An overview of amyotrophic lateral sclerosis (ALS) and its genetic status	RJMS 2023; 30 (1)
2023	Neuromuscular Disorders	Expanding the phenotypic spectrum of NMNAT1 variants	2023 Feb 8;33(4):295-301. doi: 10.1016/j.nmd.2023.02.001.
2023	Molecular Syndromology	Description of phenotypic heterogeneity in a <i>GJC2</i> -related family and literature review	2023 Oct;14(5):405-415. doi: 10.1159/000529678.
2023	Molecular Syndromology	Copy number variations (CNVs) in hereditary spastic paraplegia (HSP)-related genes; Evaluation of an Iranian HSP cohort and literature review	2023 Dec;14(6):477-484. doi: 10.1159/000531507.

2022	N. 1 . 10 .	The first reports of <i>FA2H</i> -associated	2023 Dec;44(12):4359-4362. doi:
2023	Neurological Sciences	neurodegeneration from two unrelated Iranian families	10.1007/s10072-023-06932-4.
2024	Neurological Sciences	JAM2 variants can be more common in Primary familial brain calcification (PFBC) cases than those appear; May be due to a founder mutation	2024 Aug;45(8):3829-3844. doi: 10.1007/s10072-024-07419-6.
2024			2024 Mar 12;19(1):113. doi: 10.1186/s13023-024-03116-x.
2024	Neuromuscular Disorders	CHRNE-related Congenital Myasthenic Syndrome in Iran: Clinical and Molecular Insights	2024 Oct 25:46:105234. doi: 10.1016/j.nmd.2024.105234.
2024	Neurogenetics	Clinical and Genetic Diversity in Iranian Individuals with <i>RAPSN</i> -related Congenital Myasthenic Syndrome	2024 Nov 26;26(1):9. doi: 10.1007/s10048-024-00787-3.
2024	Neurogenetics	Three rare subtypes of hereditary spastic paraplegia (HSP): SPG76, SPG56, and SPG69	2024 Nov 28;26(1):12. doi: 10.1007/ s10048-024-00787-1.
2024	Molecular Genetics and Genomics	Beginning at the ends: Telomere and telomere- based cancer therapeutics	2024 Dec 6;300(1):1. doi: 10.1007/s00438-024-02206-6.
2024	Pediatric Neurology	Genetic homogeneity of a <i>TDP1</i> variant, c.1478A>G, as the disease-causing variant of Spinocerebellar ataxia with axonal neuropathy 1 (SCAN1) in Middle East and a Systematic Review	2024 Dec 30:164:41-52. doi: 10.1016/j.pediatrneurol.2024.12.011.
2025	Canadian Journal of Neurological Sciences	A novel homozygous variant in the <i>MCOLN1</i> gene associated with severe oromandibular dystonia	2025 Jan;52(1):110-118. doi: 10.1017/cjn.2024.47.
2025	Neuropathology	Phenotypic and Genotyping spectrum of two Iranian cases with <i>RBCK1</i> -associated polyglucosan body myopathy	2025 Feb;45(1):48-54. doi: 10.1111/neup.12993.
2025	Neuromuscular Disorders	Identifying novel AGRN variants in congenital myasthenic syndrome; Insights from three Iranian families	2025 Apr;49:105342. doi: 10.1016/j.nmd.2025.105342.
2025	Mutation Spectrum and Clinical Features of MYORO Iranian Patients with Primary Familial Brain Calcification		2025 Mar 22. doi: 10.1007/s10072-025- 08105-x.

2025	Journal of the Peripheral Nervous System Current Genetic Medicine Reports	GDAP1-related Charcot-Marie-Tooth disease: axonal or demyelinating subtype? autosomal recessive or autosomal dominant inheritance? Myo-Neuropathy and Congenital Bilateral Cataract Due to a GFER Variant in an Iranian Family	2025 Sep;30(3):e70046. doi: 10.1111/jns.70046. Accepted
2025	Neuromuscular Disorders	Clinical and molecular spectrum of an Iranian Charcot- Marie-Tooth 2T cohort, and the diagnostic importance of Whole Exome Sequencing in identifying co- occurrence inherited disorders	Under review
2025	Bratislava Medical Journal	Charcot-Marie-Tooth Type 4C Mimicking CIDP: Diagnostic Pitfalls and Genetic Confirmation	Under review
2025 Muscle and Nerve		A Cohort of Iranian Patients with Congenital Myasthenic Syndrome due to Glycosylation Defects	Under review
Dooles			

Books

Year	Book title	Publisher	Location
2022	Translating Emery's Elements of Medical Genetics and Genomics 2022	Rouyan Pajooh	Iran/ Tehran

Research Paper Presented in Congresses / Seminars / Symposia

Poster presentations

Year	Congress/Symposium	Paper title	Location
May 2021	9 th Yazd International Congress & Student Award in Reproductive Medicine with 4 th Reproductive Genetics	The role of the <i>SYCE1</i> gene in the male and female fertility; A literature review	
December 2021	International Conference on Human Genetics and Genomics The important role of copy-number variations in hereditary spastic paraplegia		Iran/ Yazd
December 2021	10 th Basic and Clinical Neuroscience Congress	Genetic heterogeneity of hereditary spastic paraplegia (HSP) in Iranian population	Iran/ Tehran
March 2022	8 th National & 2 nd International Webinar on Medical Genetics: Diagnostics & Research	SPG4 and SPG11 are the most common types of hereditary spastic paraplegia (HSP) in Iran	Iran/ Mashhad

CEHGC Spastic paraplegia (HSP) A founder mutation in the COQ7 gene, may result in a pure form of Hereditary Spastic Paraplegia (HSP) Autosomal recessive than autosomal dominant forms of FAHR syndrome are more severe as well as, more prevalent in the Iranian population Advantage of whole exome sequencing (WES) for identification of discase-causing variant in less known genes for hereditary spastic paraplegia (HSP) Identification of novel and known variants in the JAM2 gene in the Iranian families affected to Primary familial brain calcification (PFBC) The TDPI: c.1478A>G variant as the main cause of Spinocerebellar ataxia with axonal neuropathy 1 (SCAN1): a possible founder mutation in the Middle East Clinical and Genetic Characterization of five Iranian families affected to triple A syndrome or Allgrove syndrome with neurological dysfunction Expanding the Phenotypic Spectrum of Iran/ Tehran Iran/ Tehr				
June 2024 European Human Genetics Conference (EHGC) A founder mutation in the COQT gene, may result in a pure form of Hereditary Spastic Paraplegia (HSP) Autosomal recessive than autosomal dominant forms of FAHR syndrome are more severe as well as, more prevalent in the Iranian population Advantage of whole exome sequencing (WES) for identification of disease-causing variant in less known genes for hereditary spastic paraplegia (HSP) Rovember 2024 8th International Congress on Biomedicine 8th International Congress on Biomedicine May 2025 European Human Genetics Conference (EHGC) The TDP1:c.1478A>G variant as the main calcification (PFBC) The TDP1:c.1478A>G variant as the main cause of Spinocerebellar ataxia with axonal neuropathy 1 (SCAN1): a possible founder mutation in the Middle East Clinical and Genetic Characterization of five Iranian flamilies affected to triple A syndrome or Allgrove syndrome with neurological dysfunction Eeterodiagnostic Medicine 6th Iranian Congress of Neuromuscular and Electrodiagnostic Medicine Expanding the Phenotypic Spectrum of GFER Variants: Myopathy, Neuropathy, and Congenital Cataracts in an Iranian	June 2022			Austria/ Vienna
European Human Genetics Conference (EHGC) May 2024 May 2025 May 2026 May 2026 May 2026 May 2027 May 2027 May 2027 May 2028 May 2028 May 2029 May 2029 May 2029 May 2029 May 2025 May 2025 May 2026 May 2026 May 2026 May 2026 May 2027 May 2027 May 2027 May 2027 May 2028 May 2028 May 2029 May 2020 May		(EHGC)	spastic paraplegia (HSP)	
may result in a pure form of Hereditary Spastic Paraplegia (HSP) Autosomal recessive than autosomal dominant forms of FAHR syndrome are more severe as well as, more prevalent in the Iranian population Advantage of whole exome sequencing (WES) for identification of disease-causing variant in less known genes for hereditary spastic paraplegia (HSP) November 2024 8th International Congress on Biomedicine May 2025 European Human Genetics Conference (EHGC) European Human Genetics Conference (EHGC) The TDP1: c. 1478A>G variant as the main calcification (PFBC) The TDP1: c. 1478A>G variant as the main neuropathy 1 (SCAN1): a possible founder mutation in the Middle East Clinical and Genetic Characterization of five Iranian families affected to triple A syndrome or Allgrove syndrome with neurological dysfunction Electrodiagnostic Medicine Electrodiagnostic Medicine May 2025 Electrodiagnostic Medicine Electrodiagnostic Medicine Electrodiagnostic Medicine may result in a pure form of Hereditary Spastic Paraplegia (HSP) Advosmal recessive than autosomal dominant forms of FAHR syndrome are more severe as well as, more prevalent in the Iranian Tehran Iran/ Tehran Iran/ Tehran Iran/ Tehran Iranian Tehran		English Confession Confession	A founder mutation in the <i>COQ7</i> gene,	
May 2024 May 2025 May 2026 May 2026 May 2026 May 2027 May 2026 May 2026 May 2027 May 2027 May 2027 May 2028 May 2028 May 2028 May 2028 May 2028 May 2028 May 2029 May 20	June 2024		may result in a pure form of Hereditary	Germany/ Berlin
May 2024 State Congress of Neurology and Clinical Electrophysiology of Iran Iran/ Tehran Iran/ Tehran		(Endc)	Spastic Paraplegia (HSP)	
May 2024 Electrophysiology of Iran more severe as well as, more prevalent in the Iranian population Advantage of whole exome sequencing (WES) for identification of disease-causing variant in less known genes for hereditary spastic paraplegia (HSP) November 2024 8th International Congress on Biomedicine European Human Genetics Conference (EHGC) European Human Genetics Conference (EHGC) European Human Genetics Conference (EHGC) The TDP1:c.1478A>G variant as the main cause of Spinocerebellar ataxia with axonal neuropathy 1 (SCAN1): a possible founder mutation in the Middle East Clinical and Genetic Characterization of five Iranian families affected to triple A syndrome or Allgrove syndrome with neurological dysfunction September 6th Iranian Congress of Neuromuscular and Electrodiagnostic Medicine September 6th Iranian Congress of Neuromuscular and Electrodiagnostic Medicine Electrodiagnostic Medicine Tran/ Tehran Iran/ Tehran			Autosomal recessive than autosomal	
Electrophysiology of Iran more severe as well as, more prevalent in the Iranian population Advantage of whole exome sequencing (WES) for identification of disease-causing variant in less known genes for hereditary spastic paraplegia (HSP) Identification of novel and known variants in the JAM2 gene in the Iranian families affected to Primary familial brain calcification (PFBC) European Human Genetics Conference (EHGC) The TDP1:c.1478A>G variant as the main cause of Spinocerebellar ataxia with axonal neuropathy 1 (SCAN1): a possible founder mutation in the Middle East Clinical and Genetic Characterization of five Iranian families affected to triple A syndrome or Allgrove syndrome with neurological dysfunction September 6th Iranian Congress of Neuromuscular and Electrodiagnostic Medicine 6th Iranian Congress of Neuromuscular and Electrodiagnostic Medicine Expanding the Phenotypic Spectrum of GFER Variants: Myopathy, Neuropathy, and Congenital Cataracts in an Iranian Tran/ Tehran Iran/ Tehran Iran/ Tehran Iran/ Tehran	May 2024	31st Congress of Neurology and Clinical	dominant forms of FAHR syndrome are	Iran/ Tehran
May 2024 6th International and 18th Iranian Genetics Congress (WES) for identification of disease-causing variant in less known genes for hereditary spastic paraplegia (HSP) Identification of novel and known variants in the JAM2 gene in the Iranian families affected to Primary familial brain calcification (PFBC) European Human Genetics Conference (EHGC) European Human Genetics Conference (EHGC) The TDP1:c.1478A>G variant as the main cause of Spinocerebellar ataxia with axonal neuropathy 1 (SCAN1): a possible founder mutation in the Middle East Clinical and Genetic Characterization of five Iranian families affected to triple A syndrome or Allgrove syndrome with neurological dysfunction September 6th Iranian Congress of Neuromuscular and Electrodiagnostic Medicine Clinical and Genetic Characterization of five Iranian families affected to triple A syndrome or Allgrove syndrome with neurological dysfunction Expanding the Phenotypic Spectrum of GFER Variants: Myopathy, Neuropathy, and Congenital Cataracts in an Iranian Advantage of whole exome sequencing (WES) for identification of disease-causing variant in less known genes for hereditary spatic paraplegia (HSP) Iran/ Tehran Iran/ Tehran Iran/ Tehran Iran/ Tehran Iran/ Tehran	Way 2024	Electrophysiology of Iran	more severe as well as, more prevalent in	Iran/ Teman
May 2024 6th International and 18th Iranian Genetics Congress (WES) for identification of disease-causing variant in less known genes for hereditary spastic paraplegia (HSP) Identification of novel and known variants in the JAM2 gene in the Iranian families affected to Primary familial brain calcification (PFBC) The TDP1:c.1478A>G variant as the main cause of Spinocerebellar ataxia with axonal neuropathy 1 (SCAN1): a possible founder mutation in the Middle East Clinical and Genetic Characterization of five Iranian families affected to triple A syndrome or Allgrove syndrome with neurological dysfunction September 6th Iranian Congress of Neuromuscular and Electrodiagnostic Medicine 6th Iranian Congress of Neuromuscular and Expanding the Phenotypic Spectrum of GFER Variants: Myopathy, Neuropathy, and Congenital Cataracts in an Iranian			the Iranian population	
May 2024 Congress Variant in less known genes for hereditary spastic paraplegia (HSP) Identification of novel and known variants in the JAM2 gene in the Iranian families affected to Primary familial brain calcification (PFBC) The TDP1:c.1478A>G variant as the main cause of Spinocerebellar ataxia with axonal neuropathy 1 (SCAN1): a possible founder mutation in the Middle East Clinical and Genetic Characterization of five Iranian families affected to triple A syndrome or Allgrove syndrome with neurological dysfunction September 6th Iranian Congress of Neuromuscular and Electrodiagnostic Medicine Characterization of five Iranian families affected to triple A syndrome or Allgrove syndrome with neurological dysfunction Expanding the Phenotypic Spectrum of GFER Variants: Myopathy, Neuropathy, and Congenital Cataracts in an Iranian Iran/ Tehran Iran/ Tehran Iran/ Tehran			Advantage of whole exome sequencing	
Congress variant in less known genes for hereditary spastic paraplegia (HSP) Identification of novel and known variants in the JAM2 gene in the Iranian families affected to Primary familial brain calcification (PFBC) The TDP1:c.1478A>G variant as the main cause of Spinocerebellar ataxia with axonal neuropathy 1 (SCAN1): a possible founder mutation in the Middle East Clinical and Genetic Characterization of five Iranian families affected to triple A syndrome or Allgrove syndrome with neurological dysfunction September 6th Iranian Congress of Neuromuscular and Electrodiagnostic Medicine September 6th Iranian Congress of Neuromuscular and Electrodiagnostic Medicine September 6th Iranian Congress of Neuromuscular and Electrodiagnostic Medicine September 6th Iranian Congress of Neuromuscular and Electrodiagnostic Medicine September 10th Iranian Congress of Neuromuscular and Electrodiagnostic Medicine September 10th Iranian Congress of Neuromuscular and Electrodiagnostic Medicine September 10th Iranian Congress of Neuromuscular and Electrodiagnostic Medicine September 10th Iranian Congress of Neuromuscular and Electrodiagnostic Medicine September 10th Iranian Congress of Neuromuscular and Electrodiagnostic Medicine September 10th Iranian Congress of Neuromuscular and Electrodiagnostic Medicine September 10th Iranian Congress of Neuromuscular and Electrodiagnostic Medicine September 10th Iranian Congress of Neuromuscular and Electrodiagnostic Medicine September 10th Iranian Congress of Neuromuscular and Electrodiagnostic Medicine Iranian Tehran Iranian I	May 2024	6 th International and 18 th Iranian Genetics	(WES) for identification of disease-causing	Iran/ Tehran
November 2024 8th International Congress on Biomedicine 2024 8th International Congress on Biomedicine 2024 8th International Congress on Biomedicine 2024 European Human Genetics Conference (EHGC) The TDP1:c.1478A>G variant as the main cause of Spinocerebellar ataxia with axonal neuropathy 1 (SCAN1): a possible founder mutation in the Middle East Clinical and Genetic Characterization of five Iranian families affected to triple A syndrome or Allgrove syndrome with neurological dysfunction September 6th Iranian Congress of Neuromuscular and 2025 Electrodiagnostic Medicine September 6th Iranian Congress of Neuromuscular and Electrodiagnostic Medicine Electrodiagnostic Medicine Expanding the Phenotypic Spectrum of GFER Variants: Myopathy, Neuropathy, and Congenital Cataracts in an Iranian Iran/ Tehran	Way 2024	Congress	variant in less known genes for hereditary	man reman
November 2024 8th International Congress on Biomedicine European Human Genetics Conference (EHGC) September 2025 6th Iranian Congress of Neuromuscular and Electrodiagnostic Medicine September 6th Iranian Congress of Neuromuscular and 2025 European Human Genetics Conference (EHGC) The TDP1:c.1478A>G variant as the main cause of Spinocerebellar ataxia with axonal neuropathy 1 (SCAN1): a possible founder mutation in the Middle East Clinical and Genetic Characterization of five Iranian families affected to triple A syndrome or Allgrove syndrome with neurological dysfunction September 6th Iranian Congress of Neuromuscular and Electrodiagnostic Medicine September 6th Iranian Congress of Neuromuscular and Expanding the Phenotypic Spectrum of GFER Variants: Myopathy, Neuropathy, and Congenital Cataracts in an Iranian Expanding the Phenotypic Spectrum of Iran/ Tehran			spastic paraplegia (HSP)	
2024 8th International Congress on Biomedicine affected to Primary familial brain calcification (PFBC) The TDP1:c.1478A>G variant as the main cause of Spinocerebellar ataxia with axonal neuropathy 1 (SCAN1): a possible founder mutation in the Middle East Clinical and Genetic Characterization of five Iranian families affected to triple A syndrome or Allgrove syndrome with neurological dysfunction September 6th Iranian Congress of Neuromuscular and Electrodiagnostic Medicine 6th Iranian Congress of Neuromuscular and Electrodiagnostic Medicine 6th Iranian Congress of Neuromuscular and Expanding the Phenotypic Spectrum of GFER Variants: Myopathy, Neuropathy, and Congenital Cataracts in an Iranian Iran/ Tehran Iran/ Tehran Iran/ Tehran Iran/ Tehran			Identification of novel and known variants	
affected to Primary familial brain calcification (PFBC) The TDP1:c.1478A>G variant as the main cause of Spinocerebellar ataxia with axonal neuropathy 1 (SCAN1): a possible founder mutation in the Middle East Clinical and Genetic Characterization of five Iranian families affected to triple A syndrome or Allgrove syndrome with neurological dysfunction September 6th Iranian Congress of Neuromuscular and Electrodiagnostic Medicine 6th Iranian Congress of Neuromuscular and Electrodiagnostic Medicine Expanding the Phenotypic Spectrum of GFER Variants: Myopathy, Neuropathy, and Congenital Cataracts in an Iranian affected to Primary familial brain calcification (PFBC) The TDP1:c.1478A>G variant as the main cause of Spinocerebellar ataxia with axonal neuropathy 1 (SCAN1): a possible founder mutation in the Middle East Clinical and Genetic Characterization of five Iranian families affected to triple A syndrome or Allgrove syndrome with neurological dysfunction Expanding the Phenotypic Spectrum of GFER Variants: Myopathy, Neuropathy, and Congenital Cataracts in an Iranian	November	8th International Congress on Biomedicine	in the JAM2 gene in the Iranian families	Iran/ Tehran
European Human Genetics Conference (EHGC) European Human Genetics Conference (EHGC) The TDP1:c.1478A>G variant as the main cause of Spinocerebellar ataxia with axonal neuropathy 1 (SCAN1): a possible founder mutation in the Middle East Clinical and Genetic Characterization of five Iranian families affected to triple A syndrome or Allgrove syndrome with neurological dysfunction September 6th Iranian Congress of Neuromuscular and Expanding the Phenotypic Spectrum of GFER Variants: Myopathy, Neuropathy, and Congenital Cataracts in an Iranian Tehran Italy/ Milan	2024	o international Congress on Biomedicine	affected to Primary familial brain	man reman
European Human Genetics Conference (EHGC) European Human Genetics Conference (EHGC) Cause of Spinocerebellar ataxia with axonal neuropathy 1 (SCAN1): a possible founder mutation in the Middle East Clinical and Genetic Characterization of five Iranian families affected to triple A syndrome or Allgrove syndrome with neurological dysfunction September 6th Iranian Congress of Neuromuscular and Expanding the Phenotypic Spectrum of GFER Variants: Myopathy, Neuropathy, and Congenital Cataracts in an Iranian European Human Genetics Conference cause of Spinocerebellar ataxia with axonal neuropathy Italy Milan Italy/ Milan Italy/ Milan Italy/ Milan Iran/ Tehran			calcification (PFBC)	
May 2025 (EHGC) neuropathy 1 (SCAN1): a possible founder mutation in the Middle East Clinical and Genetic Characterization of five Iranian families affected to triple A syndrome or Allgrove syndrome with neurological dysfunction September 6th Iranian Congress of Neuromuscular and Electrodiagnostic Medicine 6th Iranian Congress of Neuromuscular and Expanding the Phenotypic Spectrum of GFER Variants: Myopathy, Neuropathy, and Congenital Cataracts in an Iranian Italy/ Milan			The <i>TDP1</i> :c.1478A>G variant as the main	
(EHGC) neuropathy 1 (SCAN1): a possible founder mutation in the Middle East Clinical and Genetic Characterization of five Iranian families affected to triple A syndrome or Allgrove syndrome with neurological dysfunction September 6th Iranian Congress of Neuromuscular and Electrodiagnostic Medicine September 6th Iranian Congress of Neuromuscular and Expanding the Phenotypic Spectrum of GFER Variants: Myopathy, Neuropathy, and Congenital Cataracts in an Iranian End Tehran Iran/ Tehran	May 2025	European Human Genetics Conference	cause of Spinocerebellar ataxia with axonal	Italy/ Milan
September 6th Iranian Congress of Neuromuscular and Electrodiagnostic Medicine 5th Iranian Congress of Neuromuscular and Electrodiagnostic Medicine 5th Iranian Congress of Neuromuscular and Expanding the Phenotypic Spectrum of 6th Iranian Congress of Neuromuscular and Expanding the Phenotypic Spectrum of 6th Iranian Congress of Neuromuscular and Expanding the Phenotypic Spectrum of 6th Iranian Congress of Neuromuscular and Expanding the Phenotypic Spectrum of 6th Iranian Congress of Neuromuscular and Expanding the Phenotypic Spectrum of 6th Iranian Congress of Neuromuscular and Expanding the Phenotypic Spectrum of 6th Iranian Congress of Neuromuscular and Expanding the Phenotypic Spectrum of 6th Iranian Congress of Neuromuscular and Expanding the Phenotypic Spectrum of 6th Iranian Congress of Neuromuscular and Expanding the Phenotypic Spectrum of 6th Iranian Congress of Neuromuscular and Expanding the Phenotypic Spectrum of 6th Iranian Congress of Neuromuscular and Expanding the Phenotypic Spectrum of 6th Iranian Congress of Neuromuscular and 1tranian Iranian Ir	111aj 2023	(EHGC)	neuropathy 1 (SCAN1): a possible founder	Traily Trillan
September 6 th Iranian Congress of Neuromuscular and Electrodiagnostic Medicine syndrome or Allgrove syndrome with neurological dysfunction September 6 th Iranian Congress of Neuromuscular and Expanding the Phenotypic Spectrum of Electrodiagnostic Medicine GFER Variants: Myopathy, Neuropathy, and Congenital Cataracts in an Iranian Iran/ Tehran Iran/ Tehran			mutation in the Middle East	
Electrodiagnostic Medicine syndrome or Allgrove syndrome with neurological dysfunction September 6 th Iranian Congress of Neuromuscular and Expanding the Phenotypic Spectrum of GFER Variants: Myopathy, Neuropathy, and Congenital Cataracts in an Iranian Iranian Iranian			Clinical and Genetic Characterization of	
Electrodiagnostic Medicine syndrome or Allgrove syndrome with neurological dysfunction September 6 th Iranian Congress of Neuromuscular and Expanding the Phenotypic Spectrum of Electrodiagnostic Medicine GFER Variants: Myopathy, Neuropathy, and Congenital Cataracts in an Iranian Iran/ Tehran	September	6 th Iranian Congress of Neuromuscular and	five Iranian families affected to triple A	Iran/ Tehran
September 6 th Iranian Congress of Neuromuscular and Expanding the Phenotypic Spectrum of Electrodiagnostic Medicine GFER Variants: Myopathy, Neuropathy, and Congenital Cataracts in an Iranian Iranian	2025	Electrodiagnostic Medicine	syndrome or Allgrove syndrome with	
Electrodiagnostic Medicine GFER Variants: Myopathy, Neuropathy, and Congenital Cataracts in an Iranian Iran/ Tehran			neurological dysfunction	
and Congenital Cataracts in an Iranian Iran/ Tehran	September			
and Congenital Cataracts in an Iranian	2025	Electrodiagnostic Medicine		Iran/ Tehran
Family			and Congenital Cataracts in an Iranian	
			Family	

September	6 th Iranian Congress of Neuromuscular and Unveiling Demyelinating Features in an			Iran/ Tehran	
2025	Electrodiagnostic Medicine	Iranian Patient with MTRFR Mutation	Iran/ Tenran		
Oral present	ations		-		
Cantamban	23 rd Medical Students Annual National Application of whole-exome sequencing to				
September 2022	Research Congress & the 9 th Medical	detect of copy number variations (CNVs)) Iran/ Ardabil		
2022	Students International Research Congress	in hereditary spastic paraplegia (HSP)			
February	4 th Research Congress of Hormozgan	Identification of MCOLN1 and C19orf12	?		
2023	Medical Science Students	gene variants in two Iranian families with	h Iran/ Hormoz	zgan	
2023	Wedical Science Students	brain iron accumulation			
		Evaluation of whole exome sequencing			
March 2023	5 th International and 17 th Iranian Genetic	(WES) efficiency in the genetic diagnosi	s Iran/ Tehran		
Water 2023	Congress	of 85 Iranian families affected with	man/ Teman		
		hereditary spastic paraplegia (HSP)			
	1 st International Symposium of Walking on	Intrafamilial clinical heterogeneity in an			
April 2023	DNA Toward Clinics	Iranian multi-affected family with GJC2	Iran/ Ahvaz		
	DIVA Toward Clinics				
		Identification of two novel variants in the	e		
May 2023	1st Annual Student Congress of Medical	MYORG gene in the Iranian families	Iran/ Tehran		
1VIay 2025	Sciences Universities in Tehran affected to Primary familial brain				
		calcification (PFBC)			
		The advantage of whole-exome sequenci	ng		
May 2023	1 st Annual Student Congress of Medical	for the detection of disease-causing	Iran/ Tehran		
141ay 2023	Sciences Universities in Tehran	variants in patients with hereditary spasti	ic		
	paraplegia				
Research Gr	ant				
	Grant number	Position			
Searching for the disease-causing variant in a family affected with a type of neurodegenerative				Principal	
disorder with	disorder with brain iron accumulation, using whole exome sequencing (WES) technique.				
Identification	Identification of causative genes in 10 Iranian families affected to hereditary motor and sensory				
neuropathy us	68456	investigator			

Searching for c	ausative genes in five Iranian patients affected to idiopathic calcificati	ion of basal	•000	Co-Principal		
ganglia (FAHR) using whole exome sequencing (WES).		2888	investigator		
Genetic study o		Co-Principal				
(FAHR).		3030	investigator			
Searching for c	ausative genes in 15 Iranian patients affected to hereditary spastic para	aplegia (HSP)	2592	Co-Principal		
using whole ex	ome sequencing (WES).		2372	investigator		
_	ausative genes in 15 Iranian patients affected to hereditary spastic para	aplegia (HSP)	1969	Co-Principal		
using whole ex	ome sequencing (WES).		1707	investigator		
_	e symptoms and para-clinical features of <i>RAPSN</i> mutation in patients	suffering from	69654	Co-Principal		
neurology clini	c from 1390 to 1402.			investigator		
_	ranscriptome and gene expression alteration in a family with hereditar	y spastic	3231	Co-Principal		
paraplegia (HS.	P) using RNA-sequencing method.			investigator		
_	enotype-phenotype correlation in patients with congenital myasthenic	syndrome with	73662	Co-Principal		
CHRNE gene n		investigator				
Investigation of	79665	Co-Principal				
_	myasthenic syndrome due to mutations in the AGRN gene			investigator		
•	nd analysis of the relationship between clinical symptoms and molecular patients with polyneuropathy caused by mutations in the <i>GDAP1</i> gen		79679	Co-Principal investigator		
Study of the ge	notype-phenotype correlation in 10 Iranian families with Charcot-Man	rie-Tooth		Co-Principal		
disease due to r	nutations in the MME gene and analysis of 6 families with shared mut	tations	79752	investigator		
An assessment	of the diagnostic yield from the reanalysis of whole exome sequencing	g data in ten	02720	Co-Principal		
Iranian patients	suffering from hereditary neuropathy who have not reached a genetic	diagnosis	92729	investigator		
Reviewing Exp	perience (manuscript/abstract)					
Year	Journal		Publisher			
2025	European Journal of Pediatrics Springer Nature					
2025	Current Genetic Medicine Reports	Springer Nature				
2025	Bratislava Medical Journal Springer Nature					
2025	Acta Neurologica Belgica	Springer Nature				
2025 BMC Medical Genomics Springer Nature						
Work Experie	nce					

Year Duration			Location					
2022 1 month		Endocrine	Endocrine & Metabolism Research Institute, Tehran university of medical sciences, Tehran, Iran					
2023		1 month	Azin Gene	Azin Genetics Laboratory, Tehran, Iran				
2023-un	til now	-	Neuromus	Neuromuscular Research Center, Tehran University of Medical Sciences, Tehran, Iran				
Teachin	g Experience							
	Year	Position	Duration	Institution/Course	Lo	ocation		
April 20	21	Lecturer	2 hours	Laboratory tests	Shahid Sadoughi University Health Services, Yazd, Ir	sity of Medical Sciences and an		
May 2022		Lecturer	10 hours	14 th National Medical Students Scientific Olympiad	Shahid Sadoughi University of Medical Sciences a Health Services, Yazd, Iran			
Jan 2019	9 - Jan 2021	Mentor	2 years	Mentoring Program	Shiraz University of Medical Sciences and Health Services, Shiraz, Iran			
Awards	and Fellowship	os						
Year	Year Congresses / Symposia				Award			
2022	European Human Genetics Conference (EHGC)					Conference fellowship		
2022	23 rd medical students annual national research congress & the 9 th medical students international research congress				Best presenter			
2023	4 th Research Congress of Hormozgan medical science students				Best presenter			
2023	1 st international symposium of walking on DNA toward clinics Best key tal					Best key talk		
2023	1 st annual student congress of medical sciences universities in Tehran Be					Best presenter		