Curriculum Vitae

Name: Morteza Karimipoor
Full professor in medical biotechnology
Sex: Male
Nationality: Iranian
Marital Status: Married, one child
Date of Birth: 19, Jan 1970
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Molecular Medicine Department,
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Education:

1989-1996: M.D Degree, Tehran University of Medical Sciences, Tehran, Iran.
1998-2004: PhD candidate of Medical Biotechnology, Pasteur Institute of Iran, Tehran, Iran.
PhD Thesis Title: Genotyping and haplotype analysis of factor IX gene in Iranian hemophilia B patients.
2003: Fellowship on gene correction of hemophilia B, Department of Haematology, University College London, UK (under supervision of AC Nathwani).

2011: Scientific visitor, Guy's Hospital, Centre for pre-implantation genetic diagnosis, London, UK.

COURSES:

In addition to MD courses, I have passed Molecular Genetics, Genetic Engineering, Advanced Biochemistry, Quality Control and Quality Assurance (GMP, GLP), Drug and vaccine Biotechnology, Cell Biology and Immunology courses.

Work Experiences:

2005-Present: Full Professor, Molecular Medicine Dept., Biotechnology Research Center, Pasteur Institute of Iran, Tehran, Iran.
2015-present: Head of National Reference Laboratory for Prenatal Diagnosis Thalassemia and Hemoglobinopathies, Pasteur Institute of Iran.
2012-2014: Research Office manager, Pasteur Institute of Iran, Tehran, Iran.
2015-2016: Technology Office manager, Pasteur Institute of Iran, Tehran, Iran.
2016-2018: Education Office manager, Pasteur Institute of Iran, Tehran, Iran.
2018-2019: Health Service Office manager, Pasteur Institute of Iran, Tehran, Iran.
2019-present: Head of Genetics and Metabolism Research Group, Pasteur Institute of Iran, Tehran, Iran.
2025- Director of Research, Education & Technology, Pasteur Institute of Iran, Tehran, Iran.

Training

Katharine Dormandy Trust (KDT) Fellowship Grant on gene correction of hemophilia B, UK, London, 2003.
Pre-implantation Genetic Diagnosis (PGD) training on genetic and cytogenetic disorders, UK, Guys Hospital, London, 2012.

Membership:

1. Member of expert committee on genetic testing and prenatal diagnosis, Genetic Office, Center for Non-Communicable Disease Control, Iran Ministry of Health.
2. Member of Iran Genetics Society
3. Member of Iran Biotechnology Society
4. Member of Advanced therapy medicinal products committee, Research Deputy, Iran Ministry of Health

Teaching Experiences:

1. Cancer genetics for MSc and PhD students, Islamic azad university, 2017
2. Immunogenetics for MSc students, Islamic Azad university, 2014-2016
3. Genetic engineering for MSc and PhD students from 2005 till present, Pasteur Institute of Iran, Tehran university Biotechnology Dept,

4. Bioinformatics (Genome Informatics) for MSc and PhD students from 2004 till present: Pasteur Institute of Iran and Tehran university
5. Medical molecular genetics for MSc and PhD students
6. Human Genetics for PhD students, Azad University, Tehran, Iran, 2008.
7. Bioinformatics for MSc (Medical Biotechnology) students, Zanjan Medical Sciences University, 2009, 2010.
8. Advanced molecular genetics for MSc students, Azad University, Tehran, Iran, 2009.
9. Molecular Diagnostic Methods for Medical Biotechnology PhD students, Pasteur Institute of Iran and Tehran medical science university, Iran, 2009 till present
10. Immunogenetics for medical genetics PhD and MSc students, 2020
11. Human genetics for MSc student,2017, 2020
12. Molecular genetics for MSc student 2016

13. Cancer genetics for PhD students, 2017
14. Cancer genetics, MSc students, 2018.
15. Gene therapy by AAV vectors, MSc students, Tehran University, Biotechnology group, 2019, 2020.
16. Human genetics for MSc students 2020, 2021
17. Cancer Genetics for MSC students 2021, 2022
18. Next generation sequencing methods and application, 2015-2022, PhD students, Pasteur Institute of Iran.

Experiences and Activities:

a) I have some experiences on basic molecular biology techniques like PCR, RT-PCR, real-time PCR, DNA cloning , mutation detection techniques such as SSCP, CSGE, DNA sequencing, MLPA, Fingerprinting and DNA typing, cell culture, AAV vector production and purification.

b) Carrier testing and prenatal diagnosis of thalassemia and hemoglobinopathies, hemophilia and other genetic disorders for 10 years.

c) In bioinformatics application field I have good experiences in genome informatics, primer design, sequence analysis, different alignment tools, genes and diseases related databases, sequencing analysis and teaching the application of bioinformatics in genomics for MSc and PhD students and also holding some bioinformatics workshops supported by Iranian Molecular Medicine Network for researchers working in the affiliating centers of the Network.

d) After graduation, I have been working in the lab as internal manager and consulting researches and students in different fields, especially in genome informatics, diagnostic tests and genetic analysis of mutations and polymorphisms for different genes and diseases.

e) Genetic counseling of thalassemia carrier couples and the families in the context of national prevention program of β-thalassemia major.

f) In silico analysis of human genomic variants and clinical analysis of exome sequencing data

g) Molecular tumor biomarkers including circulating miRNAs

f) Clinical NGS data analysis. In recent years I have analyzed at least 50 clinical NGs for genetic disorders and cancer and have cooperated in interpretation of data and issuing clinical reports

Human Molecular Genetics Diagnostic Experiences: in last 20 years I have been involved as supervisor and head of medical genetics in diagnosis of genetic disorders and cancer

I have good experiences in the field of designing, performing and analysis of different molecular tests for human genetics disorders.

Research Areas:

Cellular and molecular treatment of thalassemia and sickle cell anemia
Application of bioinformatics tools in genes and genome analysis
Tumor markers in diagnosis and prognosis of lung cancer.
Genome editing in treatment of cancer and genetic disorders
Gene therapy of genetic disorders by AAV vectors
RNA vaccine in cancer and genetic disorders

Research Projects:

1. Genotyping and haplotype analysis of F9 gene in Iranian Hemophilia B patients (completed).
2. Molecular analysis of thalassemia intermedia in Iran (completed).
3. Molecular and functional analysis of regulatory elements of gamma genes as target for HbF induction (completed).
4. Evaluation of cucurbitacin compounds on induction of HbF in K562 cell line(completed).
5. Determination of prognostic value of the urokinase-type plasminogen activator (uPA) and its inhibitors (PAI-1 and PAI-2) in breast cancer patients referred to Iranian Center for Breast Cancer (ICBC).
6. Expression analysis of mir-34, mir-126, mir-210, mir-15/16, mir-21, mir-128 and their effect in resistance to Platinum-based therapy in advanced NSCLC among Iranian population(completed)
7. Evaluation of plasma microRNAs as potential biomarker for early detection of non-small cell lung cancer (in progress)
8. The evaluation of two constructs of Survivin promoter function in glioma cell lines (in progress)
9. Targeting miR-31 gene with the CRISPR-Cas9 genome editing system in A549 cell line
10. Evaluation of plasma microRNAs as potential biomarker for early detection of non-small cell lung cancer.
11. Evaluation of anti-AAV8 antibody in Iranian hemophilia patients.
12. Designing and construction of a therapeutic mRNA vaccine candidate expressing HPV E6 and E7 proteins of HPV16 and evaluation of its therapeutic efficacy in tumor mouse model.
13. Design and production of a prototype kit for detection of EML4-ALK fusion in lung cancer by real-time PCR method

Dissertations:

1- Investigation of the molecular mechanism of the BTK-C signaling pathway in breast and prostate cancer cell survival and evaluation of its gene expression in tumor tissue of Iranian breast cancer patients. Leila Kokabee, PhD student of Pasteur Institute of Iran, 2015.

2- Evaluation of cucurbitacin on HbF induction in primary culture of nucleated RBC from thalassemia major patients. Aida Arab, MSc student of Azad University, Tehran, Iran
3- Evaluation of cucurbitacin compounds on HbF induction in K562 cell line. Elham Shafieyeh, MSc student of Payam Nour University,Tehran
4- Molecular analysis of T129C and T1236C SNPs in MDR1 gene among drug-resistant and drug-responsive epilepsy patients. Mehri Maleki, MSc student of Tarbiar Modarres University, Tehran, Iran 2009.
5- Molecular analysis of F9 gene in hemophilia B patients of northeast of Iran. Narges Karimi, MSc student of Gentics, Azad University 2009.
6- Generation and selection of single chain monoclonal antibody against vascular endothelial growth factor receptor 2(VEGFR2) by phage display. Mehdi Behdani, PhD candidate of Medical Biotechnology, Pasteur Institute of Iran. (in progress).
7- Design and construction of mammalian expression cassette to characterize the gamma-globin gene regulatory elements. Mohammad Hamid, PhD candidate of Melecular Genetics, NIGEB. (in progress)
8- Designing and construction a gene construct containing β-globin expression cassette aiming for transferring to erythroid cell line. Fatemeh Jamshidi, MSc student of Payam Nour University, Isfahan, Iran 2006.

9- Molecular analysis of α- and β-globin genes in 30 β-thalassemia intermedia patients in Tehran. Ali Rajabi, MSc student of Tarbiat Modares University, Tehran, Iran 2007.
10- Genotype analysis of Iranian Hemophilia B patients, Kashan. Leila Kokabee, MSc student of Khatam University, Tehran, Iran 2007.
11- Molecular analysis of factor IX gene in hemophilia B patients, Esfahan. Esmat Kamali, MSc student of Blood Transfusion Organization, Tehran, Iran 2005.

Congresses:

More than 100 abstracts as oral presentation and poster in national and international congresses has been presented.

GenBank Insertions:

DQ431774-DQ431840 (67 entries)
AY226143, AY222071, AY269425, DQ094178, DQ115887, DQ115888

Publications:

1. Askarian-Sardari F, Esmaeilian S, Hajimohammadi Z, Hayat-Nosaeid M, Haghpour P, Karimipoor M, Davoudi-Dehaghani E. The Most Common Types of 3.7 Kilobase Deletion in the Iranian Population. Hemoglobin. 2024 Nov;48(6):365-368. doi: 10.1080/03630269.2024.2435379. PMID: 39627988.

2. Soltani N, Shahbazi Z, Karimipoor M, Fallah MS, Zafarghandi Motlagh F, Amini M, Jamali M, Bagherian H, Zeinali R, Zeinali S. Mutations in COL6A Gene Family Responsible for Muscular Dystrophies in Three Unrelated Families. Iran Biomed J. 2024 Sep 1;28(5 & 6):297-304. doi: 10.61186/ibj.4018. PMID: 39397694; PMCID: PMC11829160.
3. Meskini M, Amanzadeh A, Salehi F, Bouzari S, Karimipoor M, Fuso A, Fateh A, Siadat SD. A protocol to isolate and characterize pure monocytes and generate monocyte-derived dendritic cells through FBS-Coated flasks. Sci Rep. 2024 Oct 14;14(1):23956. doi: 10.1038/s41598-024-75376-3. PMID: 39397067; PMCID: PMC11471755.
4. Meskini M, Zamani MS, Amanzadeh A, Bouzari S, Karimipoor M, Fuso A, Fateh A, Siadat SD. Epigenetic modulation of cytokine expression in Mycobacterium tuberculosis-infected monocyte derived-dendritic cells: Implications for tuberculosis diagnosis. Cytokine. 2024 Sep; 181: 156693. doi: 10.1016/j.cyto.2024.156693. PMID: 38986252.
5. Aftabsavad S, Noormohammadi Z, Moini A, Karimipoor M. Interference of Bisphenol A on Cumulus Cells Development and Number of Retrieved Mature Oocytes in Unexpected Poor Ovarian Response Women: A Prospective Cohort Study. Cell J. 2024 May 7;26(4):267-275. doi: 10.22074/cellj.2024.2020628.1488. PMID: 38736411.
6. Mehrzad N, Zamani MS, Rahimi A, Shamaei M, Karimipoor M. Methylation Status of miR-34a and miR-126 in Non-Small Cell Lung Cancer (NSCLC) Tumor Tissues. Iran Biomed J. 2024 Jan 1;28(1):53-8. doi: 10.61186/ibj.3845. Epub 2023 Oct 14. PMID: 38445462; PMCID: PMC10994634.
7. Ebrahimi S, Khosravi MA, Raz A, Karimipoor M, Parvizi P. CRISPR-Cas Technology as a Revolutionary Genome Editing tool: Mechanisms and Biomedical Applications. Iran Biomed J. 2023 Sep 1;27(5):219-46. doi: 10.61186/ibj.27.5.219. Epub 2023 Jun 18. PMID: 37873636; PMCID: PMC10707817.
8. Soltani N, Shahbazi Z, Karimipoor M, Fallah MS, Zafarghandi Motlagh F, Amini M, Jamali M, Bagherian H, Zeinali R, Zeinali S. Mutations in COL6A Gene Family Responsible for Muscular Dystrophies in Three Unrelated Families. Iran Biomed J. 2023 Dec 3. doi: 10.61186/ibj.4018. Epub ahead of print. PMID: 39397694.
9. Hajimohammadi Z, Alimohammadi-Bidhendi S, Bagheri Amiri F, Karimipoor M, Davoudi-Dehaghani E, Entezam M. Development of a Quantitative Multiplex PCR to Detect Three Common Alpha Thalassemia Deletions. Hemoglobin. 2023 Nov;47(4):163-166. doi: 10.1080/03630269.2023.2260744. Epub 2023 Nov 3. PMID: 37766586.
10. Mohammadi M, Rahimi AA, Salehi Vaziri M, Sharifnia F., Kalantar Mehrjerdi E, Karimipoor M. Correlation of ACE2 and TMPRSS2 expression levels in nasopharyngeal swab samples of COVID-19 patients with disease severity (submitted).
11. Rahimi A, **Karimipoor M**, Mahdian R, Alipour A, Hosseini S, Mohammadi M, Kaghazian H, Abbasi A, Shahsavarani H, Shokrgozar MA. Efficient CRISPR/Cas9-Mediated BAX Gene Ablation in CHO Cells To Impair Apoptosis and Enhance Recombinant Protein Production. Iran J Biotechnol. 2023 Apr 1;21(2):e3388. doi: 10.30498/ijb.2023.343428.3388. PMID: 37228627.
12. Bazaz M, Adeli A, Azizi M, **Karimipoor M**, Mahboudi F, Davoudi N. Overexpression of miR-32 in Chinese hamster ovary cells increases production of Fc-fusion protein. AMB Express. 2023 May 9;13(1):45. doi: 10.1186/s13568-023-01540-z. PMID: 37160545.
13. Khakzad M, Shahbazi Z, Naderi M, **Karimipoor M**. A de novo TINF2, R282C Mutation in a Case of Dyskeratosis Congenita Founded by Next-Generation Sequencing. Iran Biomed J. 2022 Oct 28. doi: 10.52547/ibj.3783. Epub ahead of print. PMID: 37070599.
14. Rahimi A, **Karimipoor M**, Mahdian R, Alipour A, Hosseini S, Kaghazian H, Abbasi A, Shahsavarani H, Shokrgozar MA. Targeting Caspase-3 Gene in rCHO Cell Line by CRISPR/Cas9 Editing Tool and Its Effect on Protein Production in Manipulated Cell

Line. Iran J Pharm Res. 2023 Jan 13;21(1):e130236. doi: 10.5812/ijpr-130236. PMID: 36915405.
15. Targholi S, Noormohammadi Z, Tafsiri E, **Karimipoor M**. Evaluation of the Function of a Rare Variant in the 3'-Untranslated Region of the β-Globin Gene. Hemoglobin. 2022 Nov;46(6):312-316. doi: 10.1080/03630269.2023.2167660. Epub 2023 Feb 27. PMID: 36847660.
16. Farokhi-Fard A, Bayat E, Beig Parikhani A, Komijani S, Aghamirza Moghim Aliabadi H, Sardari S, Gharib B, Barkhordari F, Azadmanesh K, Karimipoor M, Bakhshandeh H, Davami F. Bacterial production and biophysical characterization of a hard-to-fold scFv against myeloid leukemia cell surface marker, IL-1RAP. Mol Biol Rep. 2023 Feb;50(2):1191-1202. doi: 10.1007/s11033-022-07972-3. Epub 2022 Nov 26. PMID: 3643592
17. Abbasalipour M, Khosravi MA, Zeinali S, Khanahmad H, Azadmanesh K, **Karimipoor M**. Lentiviral vector containing beta-globin gene for beta thalassemia gene therapy.Gene Reports, Volume 27, 2022, doi.org/10.1016/j.genrep.2022.101615.
18. Sheikhpour M, Abolfathi H, **Karimipoor M**, Movafagh A, Shahsavani M. The Common miRNAs between Tuberculosis and Non-Small Cell Lung Cancer: A Critical Review. Tanaffos. 2021 Mar; 20(3):197-208. PMID: 35382078; PMCID: PMC8978040.
19. Tarashi S, Zamani MS, Bahramali G, Fuso A, Vaziri F, **Karimipoor M**, Fateh A, Siadat SD. RNA Expression Analysis of Mycobacterial Methyltransferases Genes in Different Resistant Strains of Mycobacterium tuberculosis. Iran Biomed J. 2022 Feb 12:A-10-4682-1. Epub ahead of print. PMID: 35216515.
20. Azadmehr S, Rahiminejad F, Zafarghandi Motlagh F, Jamali M, Ghazizadeh Tehrani P, Shirzadeh T, Bagherian H, **Karimipoor M**, Davoudi-Dehaghani E, Zeinali S. The Spectrum of Pathogenic Variants in Iranian Families with Hemophilia A. Arch Iran Med. 2021 Dec 1; 24(12):887-896. doi: 10.34172/aim.2021.133. PMID: 35014236.
21. Tarashi S, **Karimipoor M**, Siadat SD, Fuso A. Epigenetic modifications in host-bacterial dialogues: more than meets the eye. Epigenomics. 2021 Oct 22. doi: 10.2217/epi-2021-0375. Epub ahead of print. PMID: 34676788.
22. Alikhani M, Touati E, **Karimipoor M**, Vosough M, Mohammadi M. Mitochondrial DNA Copy Number Variations in Gastrointestinal Tract Cancers: Potential Players. J Gastrointest Cancer. 2021 Sep 6. doi: 10.1007/s12029-021-00707-w. Epub ahead of print. PMID: 34486088.
23. Hadizadeh Tasbiti A, Yari S, Siadat SD**, Karimipoor M**, Badmasti F, Masoumi M, Abdolrahimi F, Khanipour S, Hassanzadeh SM, Ghalami Nobar M, Yari F. Comparing mRNA expression and protein abundance in MDR Mycobacterium tuberculosis: Novel protein candidates, Rv0443, Rv0379 and Rv0147 as TB potential diagnostic or therapeutic targets. Biotechnol Rep (Amst). 2021 May 29;30: e00641. doi: 10.1016/j.btre. 2021.e00641. PMID: 34189062; PMCID: PMC8220328.
24. Aftabsavad S, Noormohammadi Z, Moini A, **Karimipoor M**. Effect of bisphenol A on alterations of ICAM-1 and HLA-G genes expression and DNA methylation profiles in cumulus cells of infertile women with poor response to ovarian stimulation. Sci Rep. 2021 May 5;11(1):9595. doi: 10.1038/s41598-021-87175-1. PMID: 33953208; PMCID: PMC8099902.
25. Pargol M, Zare Karizi S, Akbari M, Nourmohammadi B, Shadmehr MB, **Karimipoor** M, Zare Karizi S. Investigation the Role of Autophagy in Non-Small Cell Lung Cancer. Asian Pac J Cancer Prev. 2021 Mar 1; 22(3):947-955. doi: 10.31557/APJCP.2021.22.3.947. PMID: 33773561.
26. Barazesh M, Mohammadi S, Bahrami Y, Mokarram P, Morowvat MH, Saidijam M, **Karimipoor M**, Kavousipour S, Vosoughi AR, Khanaki K. CRISPR/Cas9 Technology as

a Modern Genetic Manipulation Tool for Recapitulating of Neurodegenerative Disorders in Large Animal Models. Curr Gene Ther. 2021;21(2):130-148. doi: 10.2174/1566523220666201214115024. PMID: 33319680.
27. Alikhani M, Touati E, **Karimipoor M**, Vosough M, Eybpoosh S, Mohammadi M. Dynamic Changes of Mitochondrial DNA Copy Number in Gastrointestinal Tract Cancers: A Systematic Review and Meta-Analysis. Cancer Invest. 2021 Feb;39(2):163-179. doi: 10.1080/07357907.2020.1857394. Epub 2021 Jan 11. PMID: 33290105.
28. Babaee N, Talebkhan Garoosi Y, **Karimipoor M**, Davami F, Bayat E, Safarpour H, Mahboudi F, Barkhordari F. DARPin Ec1-LMWP protein scaffold in targeted delivery of siRNA molecules through EpCAM cancer stem cell marker. Mol Biol Rep. 2020 Oct;47(10):7323-7331. doi: 10.1007/s11033-020-05752-5. Epub 2020 Sep 26. PMID: 32979162.
29. Ali Akbar-Esfahani S, Karimipoor M, Bahreini F, Soltania AR, Aletaha N, Mahdavinezhad A. Diagnostic Value of Plasma Long Non-coding RNA HOTTIP as a Non-invasive Biomarker for Colorectal Cancer (A Case- Control Study). Int J Mol Cell Med. 2019 Fall;8(4):240-247. doi: 10.22088/IJMCM.BUMS.8.4.240
30. Zahedi Abghari F, Bayat F, Razipour M, **Karimipoor M**, Taghavi-Basmenj M, Zeinali S, Davoudi-Dehaghani E. Characterization of Niemann-Pick diseases genes mutation spectrum in Iran and identification of a novel mutation in SMPD1 gene. Med J Islam Repub Iran. 2019 Nov 25;33:126. doi: 10.34171/mjiri.
31. Soleimani S, Nasim N, Esfandi F, **Karimipoor M**, Kholghi-Oskooei V, Naby Gol M, Taheri M, Ghafouri-Fard S. SE translocation gene but not zinc finger or X-linked factor is down-regulated in gastric cancer. Gastroenterol Hepatol Bed Bench. 2020 Winter; 13(1):8-13.
32. Bahrami T, Taheri M, Omrani MD, **Karimipoor M**. Associations Between Genomic Variants in lncRNA-TRPM2-AS and lncRNA-HNF1A-AS1 Genes and Risk of Multiple Sclerosis. J Mol Neurosci. 2020 Feb 26. doi: 10.1007/s12031-020-01504-z.
33. Khosravi MA, Abbasalipour M, Concordet JP, Berg JV, Zeinali S, Arashkia A, Buch T, **Karimipoor M**. Expression analysis data of BCL11A and γ-globin genes in KU812 and KG-1 cell lines after CRISPR/Cas9-mediated BCL11A enhancer deletion. Data Brief. 2019 Dec 11; 28:104974. doi: 10.1016/j.dib.2019.104974. eCollection 2020 Feb.
34. Nourmohammadi B, Tafsiri E, Rahimi A, Nourmohammadi Z, Daneshvar Kakhaki A, Cho W, **Karimipoor M**. Expression of miR-9 and miR-200c, ZEB1, ZEB2 and E-cadherin in Non-Small Cell Lung Cancers in Iran. Asian Pac J Cancer Prev. 2019 Jun 1;20(6):1633-1639. doi: 10.31557/APJCP.2019.20.6.1633.
35. Lotfinia M, Abdollahpour-Alitappeh M, Hatami B, Zali MR, **Karimipoor M**. Adeno-associated virus as a gene therapy vector: strategies to neutralize the neutralizing antibodies Clin Exp Med. 2019 Aug;19(3):289-298. doi: 10.1007/s10238-019-00557-8.
36. Khosravi MA, Abbasalipour M, Concordet JP, Berg JV, Zeinali S, Arashkia A, Azadmanesh K, Buch T, **Karimipoor M**. Targeted deletion of BCL11A gene by CRISPR-Cas9 system for fetal hemoglobin reactivation: A promising approach for gene therapy of beta thalassemia disease. Eur J Pharmacol. 2019 Jul 5; 854:398-405. doi: 10.1016/j.ejphar.2019.04.042.
37. Abbasalipour M, Khosravi MA, Zeinali S, Khanahmad H, **Karimipoor M**, Azadmanesh K. Improvement of K562 Cell Line Transduction by FBS Mediated Attachment to the Cell Culture Plate .Biomed Res Int. 2019 Mar 27; 2019:9540702. doi: 10.1155/2019/9540702.
38. Taghavi-Basmenj M, Razipour M, Davoudi-Dehaghani E, Nasimi M, Abghari FZ, **Karimipoor M**. Identification of a novel mutation in the ST14 gene in an Iranian family

with ichthyosis and hypotrichosis. Dermatol Online J. 2019 Mar 15;25(3). pii: 13030/qt97m2t21k.
39. Amirian A, Zafari Z, Sharifi Z, Kordafshari A, **Karimipoor M**, Zeinali S. Characterization and haplotype study of 6 novel STR markers related to the KCNQ1 gene in heterogeneous cardiovascular disorders in the Iranian population. Turk J Med Sci. 2019 Apr 18;49(2):453-457. doi: 10.3906/sag-1805-43.
40. Amirian A, Zafari Z, **Karimipoor M**, Kordafshari A, Dalili M, Saber S, Farjam Fazelifar A, Zeinali S. Identification of a Novel KCNQ1 Frameshift Mutation and Review of the Literature among Iranian Long QT Families. Iran Biomed J. 2019 May;23(3):228-34.
41. Karimipoor M. Study Break: Recent Advances in Hemophilia Gene Therapy Iran Biomed J. 2019 Jan;23(1):7-8.
42. Kalhor H, Poorebrahim M, Rahimi H, Shabani AA, **Karimipoor M**, Akbari Eidgahi MR, Teimoori-Toolabi L. Structural and dynamic characterization of human Wnt2-Fzd7 complex using computational approaches. J Mol Model. 2018 Sep 6;24(10):274. doi: 10.1007/s00894-018-3788-3
43. Shirzadeh T, Saeidian AH, Bagherian H, Salehpour S, Setoodeh A, Alaei MR, Youssefian L, Samavat A, Touati A, Fallah MS, Vahidnezhad H, **Karimipoor M**, Azadmehr S, Raeisi M, Bandehi Sarhadi A, Zafarghandi Motlagh F, Jamali M, Zeinali Z, Abiri M, Zeinali S; Additional individual contributors. Molecular genetics of a cohort of 635 cases of phenylketonuria in a consanguineous population. J Inherit Metab Dis. 2018 Nov; 41(6):1159-1167. doi: 10.1007/s10545-018-0228-6.
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45. Amirian A, Zafari Z, Dalili M, Saber S, Karimipoor M, Dabbagh Bagheri S, Fazelifar AF, Zeinali S. Detection of a new KCNQ1 frameshift mutation associated with Jervell and Lange-Nielsen syndrome in 2 Iranian families. J Arrhythm. 2018 Apr 16; 34(3):286-290. doi: 10.1002/joa3.12042.
46. Amirian A, Dalili SM, Zafari Z, Saber S, **Karimipoor M**, Akbari V, Fazelifar AF, Zeinali S Novel frameshift mutation in the KCNQ1 gene responsible for Jervell and Lange-Nielsen syndrome. Iran J Basic Med Sci. 2018 Jan;21(1):108-111
47. Langari J, **Karimipoor M**, Golkar M, Khanahmad H, Zeinali S, Omidinia S, Cohan RA, Behdani M, Babaie J, Arezumand R, Moazami R. In Vitro Evaluation of Vegf-Pseudomonas Exotoxin: A Conjugated on Tumor Cells Adv Biomed Res. 2017 Nov 20;6: 144
48. Valaei A, **Karimipoor M**, Kordafshari A, Zeinali S Molecular Basis of α-Thalassemia in Iran. Iran Biomed J. 2018 Jan 1;22(1):6-14
49. Arab A**, Karimipoor M**, Irani S, Kiani A, Zeinali S, Tafsiri E, Sheikhy K. Potential circulating miRNA signature for early detection of NSCLC. Cancer Genet. 2017 Oct;216-217:150-158.
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52. Johari B, Ebrahimi-Rad M, Maghsood F, Lotfinia M, Saltanatpouri Z, Teimoori-Toolabi L, Sharifzadeh Z, **Karimipoor M,** Kadivar M Myc Decoy Oligodeoxynucleotide Inhibits Growth and Modulates Differentiation of Mouse Embryonic Stem Cells as a Model of Cancer Stem Cells. Anticancer Agents Med Chem. 2017;17(13):1786-1795.
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