

Curriculum Vitae



Parisa Feizollahi,
Ph.D. Candidate of Immunology

Address:

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- 2) Kermanshah University of Medical Sciences, School of Medicine, Department of immunology, Kermanshah, Iran (KUMS)

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Date of Birth: 31st of July, 1988

My laboratory interest focuses on the molecular mechanisms underlying the immunopathology of various immune-mediated disorders, including cancer and autoimmune disorder. More especially, our main purpose is to identify the regulatory and molecules pathways implicating in immune-related disorders and finally construct a therapeutic strategy.

Currently, I am working on my Ph.D. thesis for the treatment of Idiopathic Pulmonary Fibrosis (IPF) The aim of my thesis is to evaluate the engineering of MSC-derived exosomes with siRNA on IPF.

Current Position

Ph.D student of immunology, Tarbiat modares, university of medical science, Department of immunology, School of Medicine, Tehran, Iran

Laboratory expert, Department of immunology, School of Medicine, Kermanshah University of Medical Sciences, Kermanshah Iran

EDUCATION

PhD, Candidate of Immunology. September 2022

Department of immunology, Tarbiat Modares University of Medical Sciences, Tehran, Iran

MSc. in immunology, September 2019

Department of immunology, Kermanshah University of Medical Sciences, Kermanshah, Iran

B.S. in laboratory medicine, June 2015

Department of laboratory medicine, Faculty of Paramedicine, Kermanshah University of Sciences, Kermanshah, Iran

Publications

1. F Heidari, NA Kazemi-Sefat, P Feizollahi, S Gerdabi, AA Pourfathollah, Effect of FLT3 ligand on the gene expression of TIM-3, HIF1- α , and TNF- α in an acute myeloid leukemia cell line. *Molecular Biology Reports* 2025; 52 (1), 313
2. H Azadinejad, P Feizollahi, A Rezaeiemanesh, F Salari, A Gorgin Karaji. Relationship Between IL-10 Single Nucleotide Polymorphisms (rs1800871, rs1800872, and rs1800896) and the Severity of COVID-19. *Genetic Testing and Molecular Biomarkers* 2024. 28 (11), 438-444
3. Parisa Feizollahi, Mohammad Hossein Zamanian, Sara Falahi, Farhad Salari, Zahra Mahmoudi, Elham Faryadi, Ali Gorgin Karaji, Alireza Rezaeiemanesh, Association of IFIH1 and DDX58 genes polymorphism with susceptibility to COVID-19, *Medical Microbiology and Immunology*, 2023;
4. Seyed Askar Roghani, Ramin Lotfi, Bijan Soleymani, Zahra Samimi, Parisa Feizollahi, Shirin Asar, Zahra Abdan, Ali Khorasanizadeh, Mahdi Taghadosi, Investigating the correlation of the

NF- κ B and FoxP3 gene expression with the plasma levels of pro-and anti-inflammatory cytokines in rheumatoid arthritis patients, *Clinical rheumatology* 2023;

5. Gelayol Asadi, Sara Falahi, Misagh Rajabinejad, Parisa Feizollahi, Seyyed Hamidreza Mortazavi, Karaji Ali Gorgin, Farhad Salari, Alireza Rezaeiemanesh, Altered Expression of Long Non-Coding RNAs NEAT1, H19, and MALAT1 in Peripheral Blood Cells of Patients with Allergic Rhinitis after Treatment with Pharmaceutical Combinations of Budesonide and Fexofenadine versus Fluticasone Propionate and Fexofenadine, *Scientific Journal of Kurdistan University of Medical Sciences*, 2023;

6. Seyed Askar Roghani, Ramin Lotfi, Masood Ghasemzade Soroush, Ali Khorasanizadeh, Parisa Feizollahi, Shirin Assar, Parviz Soufivand, Mehran Pournazari, Zahra Mohammadi Kish, Mahdi Taghadosi, Increased gene expression of CCR6 and ROR γ t in peripheral blood cells of rheumatoid arthritis patients and their correlation with anti-cyclic citrullinated peptide and disease activity; *Immunity, Inflammation and Disease*, 2023

7. Gelayol Asadi, Parisa Feizollahi, Misagh Rajabinejad, Sara Falahi, Fatemeh Rezaei Varmaziar, Elham Faryadi, Ali Gorgin Karaji, Farhad Salari, Alireza Rezaeiemanesh; Comparison of the efficacy of combined budesonide and fexofenadine versus combined fluticasone propionate and fexofenadine on the expression of class-4 semaphorins and their receptors in the peripheral blood cells of patients with allergic rhinitis; *Heliyon* ,2023;

8. Feizollahi P, Roghani SA, Mostafaei S, Safarzadeh E, Taghadosi M. Evaluation serum levels of Insulin Growth Factor-1 (IGF-1) and its association with clinical parameters in severe COVID-19. *Inflammopharmacology*. 2022;30(1):199-205

9. Falahi S, Zamanian MH, Feizollahi P, Rezaeiemanesh A, Salari F, Mahmoudi Z, et al. Evaluation of the relationship between IL-6 gene single nucleotide polymorphisms and the severity of COVID-19 in an Iranian population. *Cytokine*. 2022;154:155889.

10. Pournazari M, Feizollahi P, Roghani SA, Assar S, Soufivand P, Soleymani B, et al. Increased plasma levels of CCL20 in peripheral blood of rheumatoid arthritis patients and its association with clinical and laboratory parameters. *Clinical rheumatology*. 2022;41(1):265-70

11. Feizollahi P, Payandeh M, Samimi Z, Shahrokhvand SZ, Rezaei M, Mahdizadeh B, et al. The association between killer cell immunoglobulin-like receptor-ligand (KIR-L) and breast cancer risk among the Kermanshahi women. *Meta Gene*. 2022;31:101005

12. Mahdi Taghadosi, Elham Safarzadeh, Ali Asgarzadeh, Seyed Askar Roghani, Afsaneh Shamsi, Cyrus Jalili, Shirin Assar, Parviz Soufivand, Mehran Pournazari, Parisa Feizollahi, Mohammad Hossein Nicknam, Vahid Asghariazar, Siavash Vaziri, Hossein Shahriari, Asadollah Mohammadi, Partners in crime: Autoantibodies complicit in COVID-19 pathogenesis, *Reviews in medical virology*, 2022;

13. Asghar Askari A, Feizollahi P, Rezaeiemanesh A, Salari F, Karaji AG. The effect of treatment with fexofenadine and fluticasone propionate on the gene expression levels of Th9 transcription factors in patients with allergic rhinitis. *Heliyon*. 2021;7(12):e08556

14. Samimi Z, Izadpanah A, Feizollahi P, Roghani SA, Assar S, Zafari P, et al. The association between the plasma sugar and lipid profile with the gene expression of the regulatory protein of mTOR (Raptor) in patients with rheumatoid arthritis. Immunological investigations. 2021;50(6):597-608.
15. Feizollahi P, Akbari M, Lahni AK, Zarnani Ah. Revisiting some challenges in COVID19 vaccination.

Presentations

1. Parisa Feizollahi, Zahra Samimi, Mahdi Taghadosi, the gene expression of chemokines CCR4 and CCR9 in the peripheral blood of leukocyte arthritis rheumatoid patients. Poster presentation in 1st national congress inflammation, 27th February 2019, Tehran, Iran
2. Parisa Feizollahi¹, Zahra Samimi¹, Mahdi Taghadosi². The correlation between killer cell immunoglobulin-like receptor-ligand (KIR-L) and breast cancer risk among the Kermanshahi women. Poster presentation in 15th international congress of immunology and allergy 27-29 January 2021, Ahvaz Iran.
3. Parisa Feizollahi, Mahdi Taghadosi. Association serum levels of Insulin Growth Factor-1 (IGF-1) with clinical parameters in severe COVID-19. Oral presentation in 6th international USERN congress. 6-13 Nov 2021, Tehran Iran.
4. Parisa Feizollahi, Mahdi Akbari, Ata Khosh Lahni, Amir-Hassan Zarnani, Revisiting some challenges in COVID-19 vaccination: Paternalism, pregnant women and children vaccination, and the booster dose, oral presentation as a debater in U-debate program of the 6th international USERN congress , 8th Nov 2021, Tehran Iran
5. Parisa Feizollahi, sara Falahi, Alireza Rezaeimanesh, Evaluation of MDA-5 and IFN- β genes expression in the patients with COVID-19, mini-Oral presentation, 27-29 April 2023

Recent/Current Research

1. Investigating the effect of resolvin D1 on kruppel like factor 2, mir 27a and mir 223 in HUVEC cell line stimulated with LPS
2. Investigating the effect of resolvin D1 on the regulation of KLFs and related micro RNAs in vascular smooth muscle cells stimulated with LPS
3. Investigating the relationship between serum concentrations of inflammatory cytokines profile and miRNA-425-5p and miRNA-451a gene expression with various

cardiovascular risk factors in newly diagnosed and treated rheumatoid arthritis patients

4. Evaluation the frequency of interleukin-10 genetic variants and its relationship with interleukin-10 serum levels in patients with severe and mild forms of COVID-19 in Kermanshah.

5. Investigating the effect of resolvin D1 (RvD1) on MALAT1 lncRNA pathway, miR103a-3p micro-RNA, and KLF4 gene expression in vascular smooth muscle cell line (VSMC) exposed to LPS

6. Investigating the relationship between the serum concentration of chemokines CXCL9, its receptor and gene expression of LncRNA HIX003209, miRNA-6089 and TLR4 with various cardiovascular risk factors in newly diagnosed and treated rheumatoid arthritis patients

7. Investigating the relationship between genetic variants of TLR-7 gene; rs179008 (A>C), rs3853839 (C>G) and rs179009 (A>G) with the severity of COVID-19

8. Examining the frequency of genetic variants of MDA-5 (rs3747517 T>C and rs1990760 C>T) and RIG-1 (rs10813831 G>A) in patients with mild and severe form of COVID-19 in Kermanshah province

9. Comparative investigation of the expression level of ITGA4, ITGAm, ITGB1, ITGB2, ITGB7 genes in the peripheral blood cells of people with rheumatoid arthritis before and after treatment with DMARDs

10. Comparative investigation of SEMA4D, SEMA4A, SEMA4C, PLXND1 and PLXNB2 expression genes in the peripheral blood of RA patients before and after treatment with DMARDs

11. Comparative investigation of the expression level of long non-coding RNAs MALAT1, NEAT1 and H19 in peripheral blood cells of two groups of patients with allergic rhinitis before and after treatment with the drug combination of fexofenadine and fluticasone propionate and the drug combination of fexofenadine and budesonide

12. Comparison of Kid blood group system genotype in patients with COVID-19 and healthy subjects in Kermanshah province

13. Comparison of Kidd system blood group genotypes in Kurdish patients with transfusiondependent thalassemia and control group in Kermanshah province.

14. Comparison of Duffy blood group system genotype in patients with COVID-19 and control group in Kermanshah province.

15. Comparison of Kell system blood group genotype in Kurdish patients with transfusiondependent thalassemia and normal people in Kermanshah city.

16. Comparative investigation of the expression level of non-coding RNAs miR-19b-3p, miR-125a-5p (NEAT1/Lnc) and target genes (SEL1L) and (SYVN1) in the peripheral blood of patients Patients with rheumatoid arthritis with healthy control group

17. Comparison of the expression level of MALAT1 long non-coding RNA, miR-1-3p and miR-199a-5p micro-RNAs, HSPA5 and MMD protein genes in the peripheral blood leukocyte of patients with rheumatoid arthritis and healthy control group
18. Investigation of MDA5 and IFN- α and IFN- β gene expression in COVID-19 patients
19. Investigating the association of ANRIL long non-coding RNA genetic variants (rs10757278, rs4977574, rs1333045, rs1333048) with allergic rhinitis in Kermanshah
20. Investigating the plasma level of insulin growth factor (IGF-1) and its relationship with body mass index (BMI) in patients with COVID-19 hospitalized in Pre ICU (Intensive Care Unit) and ICU compared to the group Control
21. Comparison of allelic variants of killer cell immunoglobulin-like ligands (human leukocyte antigens) in patients with breast cancer and control group in Kermanshah.
22. Comparison of frequency of allelic variants and haplotypes of immunoglobulin-like receptors of killer cells in patients with breast cancer and healthy people in Kermanshah.

Recognitions and Honors:

- **2022** Ranked fifth place among immunology master students in the nationwide Ph.D. entrance exam of Medical Immunology.
- **2019** Top student in the M.Sc. Course.

Experience

Teaching:

Medical student:

practical immunology Kermanshah Univ.Med 2021 -present

Post-Graduate (MSc student):

Technical Skills

- HLA-Typing
- Developing Real time PCR, RT-PCR, PCR-SSP, PCR-RFLP
- MSC and Exosomes extraction and modification
- Animal-related studies (inducing model and cells extraction)

Additional Skills:

Computer skills

- Microsoft office (Including Word, PowerPoint and Excel)
- EndNote
- SPSS

Languages: Persian – English