

CURRICULUM VITAE

Alireza Rezaieamanesh, Ph.D.

Contact Information:

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Current Position:

Associate Professor

2017- until now Department of Immunology, School of Medicine
Kermanshah University of Medical Sciences (KUMS), Kermanshah,
Iran

Educational Background:

Ph.D. in Immunology

2011- 2017 Tehran University of Medical Sciences, Tehran, Iran.

M.Sc. in Immunology

2007- 2010 Tabriz University of Medical Sciences, Tabriz, Iran.

B.Sc. in Medical Laboratory Sciences

2002-2006 Mashad University of Medical Sciences, Mashad, Iran.

Research Experience:

2011-17 Ph.D. in Immunology, Tehran University of Medical Sciences, Tehran, Iran
Assessment of IL-23 Production Pathways, Endoplasmic Reticulum Stress and Autophagy, in Peripheral Blood Mononuclear Cell-Derived Macrophages in Spondylitis Ankylosing Patients

2007-10 Master in Immunology, Tabriz University of Medical Sciences, Tabriz, Iran
Impacts of anti-EGFR monoclonal antibody in prostate cancer PC3 cells

Research Skills:

- Human and animal cell lines culture
- PBMC isolation, human blood cells (T cells, B cells, Monocytes), and culture
- Magnetic-activated cell sorting (MACS)
- Flow cytometry-based ex vivo functional assays (cytotoxicity, coculture, proliferation/suppression, cytokine production, activation, apoptosis, etc.)
- Immunohistochemistry, Immunofluorescence
- Single and multiplex ELISA, ELISPOT
- Molecular methods (PCR, Real-time PCR), Micro-RNA related techniques
- Medical laboratory skills: Hematology, Immunology, Blood banking, Biochemistry, Bacteriology, Maintenance of laboratory instruments
- Application Software: FlowJo, CytoFLEX, SPSS, Prism, Endnote, R stat (need practice)

Selected Publications

1. Babaie F, Mohammadi H, Salimi S, Ghanavatinegad A, Abbasifard M, Yousefi M, Hajaliloo M, Khalili Y, Zamanlou S, Safari R, Hemmatzadeh M, **Rezaïemanesh A**, Baradaran B. Inhibition of ERAP1 represses HLA-B27 free heavy chains expression on polarized macrophages and interrupts NK cells activation and function from ankylosing spondylitis. **Clinical Immunology**. 2023 Mar 1;248:109268.
2. Assadiasl S, Rajabinejad M, Soleimanifar N, Makiyan F, Azizi E, **Rezaïemanesh A***, Nicknam MH. MicroRNAs-mediated regulation pathways in rheumatic diseases. **Inflammopharmacology**. 2023 Feb;31(1):129-44.
3. Hassani SS, Karamali N, Rajabinejad M, Ashjari D, Afshar Hezarkhani L, Gorgin Karaji A, Salari F, **Rezaïemanesh A***. Dysregulation of Long Noncoding RNA NEAT1/miR-199a-5/BiP Axis in Patients with Diabetic Neuropathy. *Laboratory Medicine*. 2022 Sep 27.
4. Mahmoudi Z, Karamali N, Roghani SA, Assar S, Pournazari M, Soufivand P, Salari F, **Rezaïemanesh A***. Efficacy of DMARDs and methylprednisolone treatment on the gene expression levels of HSPA5, MMD, and non-coding RNAs MALAT1, H19, miR-199a-5p, and miR-1-3p, in patients with rheumatoid arthritis. **International immunopharmacology**. 2022 Jul 1;108:108878.
5. Ashjari D, Karamali N, Rajabinejad M, Hassani SS, Hezarkhani LA, Afshari D, Karaji AG, Salari F, **Rezaïemanesh A***. The axis of long non-coding RNA MALAT1/miR-1-3p/CXCR4 is dysregulated in patients with diabetic neuropathy. **Heliyon**. 2022 Mar 1;8(3):e09178.
6. Karamali N, Ebrahimnezhad S, Moghadam RK, Daneshfar N, **Rezaïemanesh A***. HRD1 in human malignant neoplasms: Molecular mechanisms and novel therapeutic strategy for cancer. **Life sciences**. 2022 May 6:120620.
7. Rajabinejad M, Asadi G, Ranjbar S, Varmaziar FR, Karimi M, Salari F, Karaji AG, **Rezaïemanesh A**, Hezarkhani LA. The MALAT1-H19/miR-19b-3p axis can be a fingerprint for diabetic neuropathy. **Immunology letters**. 2022 May 1;245:69-78.
8. **Rezaïemanesh A**, Mahmoudi M, Amirzargar AA, Vojdanian M, Babaie F, Mahdavi J, Rajabinejad M, Jamshidi AR, Nicknam MH. Upregulation of Unfolded Protein Response and ER Stress-Related IL-23 Production in M1 Macrophages from Ankylosing Spondylitis Patients. **Inflammation**. 2022 Apr;45(2):665-76.

9. Azadeh H, Alizadeh-Navaei R, **Rezaïemanesh A**, Rajabinejad M. Immune-related adverse events (irAEs) in ankylosing spondylitis (AS) patients treated with interleukin (IL)-17 inhibitors: a systematic review and meta-analysis. **Inflammopharmacology**. 2022 Feb 21:1-7.
10. Falahi S, Zamanian MH, Feizollahi P, **Rezaïemanesh A**, Salari F, Mahmoudi Z, Karaji AG. Evaluation of the relationship between IL-6 gene single nucleotide polymorphisms and the severity of COVID-19 in an Iranian population. **Cytokine**. 2022 Jun 1;154:155889.

Link for more publications: <https://www.scopus.com/authid/detail.uri?authorId=37027002900>

Recognitions and Honors:

2019 Top professor of the Faculty of Medicine, Kermanshah University of Medical Sciences (KUMS).

2011 Ranked 4th out of 750 immunology master students in the nationwide Ph.D. entrance exam of Medical Immunology.

2010 Top student in the M.Sc. Course.

2010 Member of Talented Students in Iran.

2007 Top student in the B.Sc. Course.

Professional Experiences:

2012 Member of Executive Committee of 11th International Congress of Immunology and Allergy, Tehran, Iran (April 2012)

2014 Member of Executive Committee of 12th International Congress of Immunology and Allergy, Tehran, Iran (April 2014)

2015-2017 Member of the International Branch Department, Tehran University of Medical Sciences, Tehran, Iran.

2018 Member of the 10th Science Olympiad Question Committee for medical students, Tehran, Iran.

2019 Member of the 11th Science Olympiad Question Committee for medical students, Tehran, Iran.

2019-2023 Head of Student Research Committee, Faculty of Medicine, Kermanshah University of Medical Sciences, Kermanshah, Iran.

Supervisory Experience:

1. **2025** Marjan Sadat Seyed Mahdi, Master Student, KUMS
2. **2024** Amir Hossein Sadeqi, Medical Student, KUMS
3. **2024** Sajjad Salimi, Medical Student, KUMS
4. **2023** Bahrooz Abdol Admad, Master Student, KUMS
5. **2023** Jabar Mohammad Amin Mahyadin, PhD Student, KUMS
6. **2023** Nastaran Mohammadi, Master Student, KUMS
7. **2022** Shahin Amiri, Medical Student, KUMS
8. **2022** Hossein Azadinejad, Master Student, KUMS
9. **2022** Maryam Hadadi, Master Student, KUMS
10. **2022** Shayan Radfar, Medical Student, KUMS
11. **2021** Elham Faryadi, Master Student, KUMS
12. **2020** Negin Karamali, Master Student, KUMS
13. **2020** Jamal Kahkaram, Master Student, KUMS
14. **2020** Zahra Mahmoudi, Master Student, KUMS
15. **2019** Donya Ashjari, Master Student, KUMS
16. **2019** Sara Hassani, Master Student, KUMS
17. **2018** Mojgan Karimi, Master Student, KUMS
18. **2018** Mahsa Yadi, Medical Student, KUMS
19. **2018** Glayol Asadi, Master Student, KUMS
20. **2018** Fatemeh Rezaei Varmaziar, Master Student, KUMS
21. **2018** Sediqueh Ranjbar, Master Student, KUMS
22. **2018** Misagh Rajabinejad, Master Student, KUMS

Books:

- 2013** Immunology of aging 2013 (**Springer Science & Business Media**)
- 2014** Basic applied concepts of blood banking and transfusion practices (Artin Teb, Tehran, Iran)
- 2019** Immunology (Arjmand, Tehran, Iran)
- 2021** Ankylosing Spondylitis - Axial Spondyloarthritis 2022 (**Springer Science & Business Media**)

Membership:

2008- until now Iranian Society for Immunology and Allergy