

Curriculum Vitae

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Hossein Khorramdelazad, (Ph.D.)

1. Personal details:

- Date and place of birth: 01/09/1981, Rafsanjan, Iran
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2. Education:

- **Ph.D. in Immunology**

- 2019-2023 (Holder of the first rank in the Ph.D. program entrance examination in Iran, 2019)
- Department of Immunology, School of Medicine, Iran University of Medical Sciences, Tehran, Iran.
- G.P.A: 19.32/20
- Thesis grade: 20/20 (Excellent grade A+)

- **Master of Science in Immunology**

- 2013-2014
- Department of Immunology, Faculty of Medicine, Rafsanjan University of Medical Sciences, Rafsanjan, Iran
- G.P.A: 19.02/20
- Thesis grade: 20/20 (Excellent grade A+)

- **Bachelor of Science in Medical Laboratory Science**

- 2006-2008
- Faculty of Medical Science, Kerman University, Iran
- G.P.A: 14.96 /20

- **Associated degree in Medical Laboratory Science**

- 2004-2006
- Faculty of Medical Science, Rafsanjan University, Iran
- G.P.A: 16.04/20

3. Employment history:

- 2017-present, Instructor/Assistant Professor of Immunology, Faculty Member, Rafsanjan University of Medical Sciences, Rafsanjan, Iran.
- 2008-2016, as a supervisor at the Molecular Medicine Research Center, Rafsanjan University of Medical Sciences, Rafsanjan, Iran

4. Current Position:

- Assistant Professor of Immunology, Faculty Member, Rafsanjan University of Medical Sciences, Rafsanjan, Iran.

5. Honors:

- Holder of the 1st Rank Researcher. Rafsanjan University of Medical Sciences Festival Award 2013
- Holder of the 2nd Rank Researcher. Rafsanjan University of Medical Sciences Festival Award 2014
- Holder of the 1st Rank Researcher. Rafsanjan University of Medical Sciences Festival Award 2015
- Holder of the 1st Rank Researcher. Rafsanjan University of Medical Sciences Festival Award 2016
- Holder of the first rank in the Ph.D. program entrance examination in Iran 2019
- Holder of the 1st Rank Researcher. Rafsanjan University of Medical Sciences Festival Award 2020
- Holder of the 1st Rank Researcher. Rafsanjan University of Medical Sciences Festival Award 2021
- Holder of the 2nd Rank Researcher. Rafsanjan University of Medical Sciences Festival Award 2023

6. Bibliography

A. Publications:

1. Najafi, A., et al., *Catalase application in cancer therapy: Simultaneous focusing on hypoxia attenuation and macrophage reprogramming*. Biomedicine & Pharmacotherapy, 2022. **153**: p. 113483.
2. Ranjbar, M., et al., *Role of CCL2/CCR2 axis in the pathogenesis of COVID-19 and possible Treatments: All options on the Table*. International Immunopharmacology, 2022. **113**: p. 109325.
3. Hashemi, S.F. and H. Khorramdelazad, *The cryptic role of CXCL17/CXCR8 axis in the pathogenesis of cancers: a review of the latest evidence*. Journal of Cell Communication and Signaling, 2022: p. 1-14.
4. Khorramdelazad, H., et al., *Type-I interferons in the immunopathogenesis and treatment of Coronavirus disease 2019*. European journal of pharmacology, 2022: p. 175051.
5. Masoumi, M., et al., *Role of T Cells in the Pathogenesis of Rheumatoid Arthritis: Focus on Immunometabolism Dysfunctions*. Inflammation, 2022: p. 1-15.

6. Ahmadifard, R., et al., *Interferon- γ -Treated Mesenchymal Stem Cells Modulate the T Cell-Related Chemokines and Chemokine Receptors in an Animal Model of Experimental Autoimmune Encephalomyelitis*. Drug Research, 2023.
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8. Kazemi, M.H., et al., *Tumor-infiltrating lymphocytes for treatment of solid tumors: It takes two to tango?* Frontiers in Immunology, 2022. **13**.
9. Arababadi, M.K., et al., *Cytokine patterns after therapy with Avonex®, Rebif®, Betaferon® and CinnoVex™ in relapsing–remitting multiple sclerosis in Iranian patients*. Biomarkers in Medicine, 2010. **4**(5): p. 755-759.
10. Hassanshahi, G., et al., *Assessment of CXCL12 (SDF-1 α) polymorphisms and its serum level in posttransfusion occult HBV-infected patients in Southeastern Iran*. Archives of medical research, 2010. **41**(5): p. 338-342.
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15. Arababadi, M.K., et al., *Cytokines in preterm delivery*. Laboratory Medicine, 2012. **43**(4): p. 27-30.
16. Sajadi, S., et al., *Plasma levels of CXCL1 (GRO- α) and CXCL10 (IP-10) are elevated in type 2 diabetic patients: evidence for the involvement of inflammation and angiogenesis/angiostasis in this disease state*. Clin Lab, 2013. **59**(1-2): p. 133-7.
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20. Radman, M., et al., *Serum levels of the CC chemokines CCL2, CCL5, and CCL11 in food allergic children with different clinical manifestations*. Inflammation, 2013. **36**(3): p. 561-566.
21. Khorramdelazad, H., et al., *CCR5 Δ 32 mutation is not prevalent in Iranians with chronic HBV infection*. Journal of medical virology, 2013. **85**(6): p. 964-968.
22. Jafarzadeh, A., et al., *Ginger extracts influence the expression of IL-27 and IL-33 in the central nervous system in experimental autoimmune encephalomyelitis and*

- ameliorates the clinical symptoms of disease*. Journal of neuroimmunology, 2014. **276**(1-2): p. 80-88.
23. Zeinali, M., et al., *Role of galectin-3 in the pathogenesis of bladder transitional cell carcinoma*. Human immunology, 2015. **76**(10): p. 770-774.
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 33. Karimabad, M.N., et al., *The novel Indole-3-formaldehyde (2-AITFEI-3-F) is involved in processes of apoptosis induction?* Life sciences, 2017. **181**: p. 31-44.
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2023-2025 Published Articles

1. Razizadeh MH, Zafarani A, Taghavi-Farahabadi M, Khorramdelazad H, Minaeian S, Mahmoudi M. Natural killer cells and their exosomes in viral infections and related therapeutic approaches: where are we? *Cell Communication and Signaling*. 2023;21(1):261.
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B. Published Books:

- Assessment of gene expression by Real-time PCR (Syber green) technique (2017, In Persian)
- Immunopathogenesis of Multiple Sclerosis disease (2018, In Persian)
- Unleashing the Potential of Natural Killer Cells in Immunotherapy for Glioblastoma and Brain Tumors (Springer, 2023)

C. Project in progress:

- Evaluation of the inhibitory effect of a novel synthetic small molecule CXCR4 antagonist on proliferation and migration of colorectal tumor cells (CT-26) and immune responses in vitro and in vivo
- Evaluation of the interaction Between Tumor Growth Factor- β and Interferon Type I Pathways in Patients with COVID-19: Focusing on ages 1 to 90 years
- Role of CCL2/CCR2 axis in the pathogenesis of COVID-19

7. Professional Participations:

- Khorramdelazad H, "Lack of association between CCR5- Δ 32 mutation and acute lymphoblastic leukemia: a study from sought-eastern Iran". 11th International Congress of Immunology & allergy Tehran-Iran April 2012

- Khorramdelazad H, “The status of regulated on activation normal T cell expressed and secreted (RANTES) and interleukin 6 serum levels in nephropathies type 2 diabetic patients”. 11th International Congress of Immunology & allergy Tehran-Iran April 2012
- Khorramdelazad H, “The CXC Chemokine CXCL12 tissue expression and circulating levels in patients suffering from induced peptic ulcer follows a phase-dependent fashion?” 6th International Congress of Laboratory & Clinic Tehran-Iran Feb 2014
- Khorramdelazad H, “HIGH SERUM LEVELS OF TGF- β IN IRANIANS WITH CHRONIC HBV INFECTION.” 5th International Congress of Tehran Hepatitis, Tehran, Iran, May 2014
- Khorramdelazad H, “Role of the eccentric exercise-induced delayed-onset muscle soreness effects on the regulation of the expression of S100A12, RAGE, and NF κ B”. 11th International Congress of Immunology & allergy, May 2014, Tehran-Iran
- Khorramdelazad H, “The CCL5/CCR5 axis itself, but its CCR5 Δ 32 variant is involved in both T1D and T2D and nephropathies complications of T2D” 11th International Congress of Immunology & allergy. May 2014, Tehran-Iran
- Khorramdelazad H, “Differential pattern of eotaxins (CCL11, CCL24, CCL26) and CCR3 expression in Iranian Parkinson's patients” 14th International Congress of Immunology & allergy. April 2018, TehranIran (Oral Presentation)
- Khorramdelazad H, “Assessing the Expression of Immunosuppressive Cytokines in the newly diagnosed Systemic Lupus Erythematosus Patients: A Focus on B cells” 15th International Congress of Immunology & allergy. January 2021, Ahwaz-Iran (Poster Presentation)
- Khorramdelazad H, The S100 Proteins Expression in Newly Diagnosed Systemic Lupus Erythematosus Patients: Can They be Potential Diagnostic Biomarkers? 15th International Congress of Immunology & allergy. January 2021, Ahwaz-Iran (Poster Presentation).

8. Workshops attended:

- Quality control in Microbiology, Kerman-Iran, April 2009.
- SPSS workshop, Physiology and pharmacology research center, Rafsanjan-Iran 2013
- Computational Genomics, 4th International Tehran Hepatitis congress. Tehran, Iran, 2011
- Experiences in the Journal of Viral Hepatitis for Editors and how to write a good paper, 4th International Tehran Hepatitis congress. Tehran, Iran, 2011
- Instructor, Primer design workshop, Rafsanjan University of Medical Sciences, 2014
- Real-time PCR and Epigenetic. Pasteur Institute of Iran, 2014
- microRNA, Biosynthesis and function-stem loop primer design 2018
- Dendritic cell-based vaccines for cancer immunotherapy: an experimental model 2018
- Advanced practical-surgical techniques in dealing with laboratory animals 2018
- Entrepreneurship and wealth creation, Iran University of Medical Sciences 2019
- Big Bang Boot Camp (Health Startups), Iran University of Medical Sciences 2019
- Ethics in research, Rafsanjan University of Medical Sciences 2020

- Ethics in research, Tehran University of Medical Sciences 2020
- CAR T-Cell Immunotherapy of Solid Tumors - Learning from the Clinic and Lab in Parallel, Labroots 2020
- A Novel Method for Quantitative Western Blotting that Eliminates Errors from the Use of Housekeeping Proteins, Labroots 2020
- Next generation ultra-high content analysis of the tumor immune microenvironment using MICS technology, Labroots 2020
- New Crossroad: The Intersection of COVID-19 and Sepsis, Labroots 2020
- laboratory animal handling technique, Qazvin University of Medical Sciences, 2020
- Scientific writing, USERN, 2021
- Introduction to basic statistics, USERN, 2021
- Systematic Review, USERN, 2021
- Meta-analysis, USERN, 2021
- Submission and Journal Selection, USERN, 2021
- Publishing books with international publishers, USERN 2021
- Second Advanced Academic Writing and English Editing Course, which was held virtually from March to April 2022, organized by Best Medical Academy in Iran
- Quality control in immunoserology laboratory, Kerman University of Medical Sciences 2023
- Ai application in research, Iran University of Medical Sciences, 2023

9. Webinar attended:

- Cell Therapy in COVID-19, 2020 IUMS
- Vaccination in COVID-19, 2020 IUMS
- Quality control in medical laboratories, 2021 IUMS
- Thyroid panel tests, 2021 IUMS
- Antigen purification, 2022 IUMS
- Introduction to basic bioinformtic, 2022 TUMS

10. Further Professional Training:

- DNA and RNA extraction from all cell and tissue systems
- PCR, RFLP
- Real-time PCR
- Western blotting
- Isolation of peripheral blood mononuclear cells
- ELISA
- Clinical and diagnostic laboratory techniques
- Primer design (PCR/RT-PCR/miRNA)
- Flowcytometry (Cyflow, Partec, Germany)

- Experience in software such as Gene Runner, Flowmax, Oligo7, Endnote, Adobe Photoshop, Adobe Illustrator, Corel Draw, Microsoft Office, Graphpad Prism, and Primer Express.
- Professional design of review articles, diagrams and figures (Sample: <https://doi.org/10.1016/j.biopha.2022.113483>)

11. General Contribution:

- Teaching basic immunology to undergraduate and postgraduate students 2016-2018
- Teaching Advanced Immunology to postgraduate students, 2018
- Teaching Research Methods to Undergraduate Postgraduate Students 2018-2019
- Holding a workshop on primer design for Real-time PCR, 2015
- Holding a workshop on bioinformatic (Gene to protein) 2021
- Holding a workshop on Article preparation and submission, Iran University of Medical Sciences, 2023
- Holding a workshop on Scientific illustration, Iran University of Medical Sciences, 2023

12. Related professional experience:

- Bio-art design studio (2017-present)

13. Interests:

- Research (Inflammation, Cytokine & Chemokine biology, Autoimmunity, Inflammatory-induced Cancers)
- Sport (Fitness and Physique)
- Art (Digital Graphic Design, Cartoon, Sketching, Photography, Adobe Illustrator)

14. References

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