

## *Curriculum Vitae*

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### *Educational Background:*

- Ph.D. (2015-2020) – Medical Immunology, Tehran University of Medical Sciences, School of Medicine, Tehran, Iran
  - Ranking the First in Ph.D. entrance exam (Ministry of Health) of Medical Immunology (2015).
- M.Sc. (2012-2015) – Medical Immunology, Shahid Beheshti University of Medical Sciences, School of Medicine, Tehran, Iran
- B.Sc. (2008-2012) – Laboratory Medicine, Bushehr University of Medical Sciences, School of Para-medicine, Bushehr, Iran

## *Papers:*

1. **Mousavi MJ**, Alizadeh A, Ghotloo S. Interference of B lymphocyte tolerance by prolactin in rheumatic autoimmune diseases. *Heliyon*. 2023 Jun 3.
2. Saadh MJ, Kazemi K, Khorramdelazad H, **Mousavi MJ**, Noroozi N, Masoumi M, Karami J. Role of T cells in the pathogenesis of systemic lupus erythematosus: Focus on immunometabolism dysfunctions. *International Immunopharmacology*. 2023 Jun 1;119:110246.
3. Marzhooseyni Z, **Mousavi MJ**, Saffari M, Ghotloo S. Immune escape strategies of *Pseudomonas aeruginosa* to establish chronic infection. *Cytokine*. 2023 Mar 1;163:156135.
4. **Mousavi MJ**, Karami J, Alimohammadi M, Solaymani-Mohammadi F, Rezaei N. (2023). Fibroblast Activation Protein (FAP): A Key Modulator of the Cancer Microenvironment. In: Rezaei, N. (eds) *Handbook of Cancer and Immunology*. Springer, Cham.
5. Vaghebin R, Khalili M, Amiresmaili S, Namdar H, **Mousavi MJ\***. Treatment of traumatic brain injury from the viewpoint of Avicenna (Ibn Sina): A historical review. *Interdisciplinary Neurosurgery*. 2022 Jun 1;28:101498.
6. Haftcheshmeh SM, Abedi M, Mashayekhi K, **Mousavi MJ**, Navashenaq JG, Mohammadi A, Momtazi-Borojeni AA. Berberine as a natural modulator of inflammatory signaling pathways in the immune system: Focus on NF- $\kappa$ B, JAK/STAT, and MAPK signaling pathways. *Phytotherapy Research*. 2022 Mar;36(3):1216-30.
7. **Mousavi MJ**, Karami J, Aslani S, Tahmasebi MN, Vaziri AS, Jamshidi A, Farhadi E, Mahmoudi M. Transformation of fibroblast-like synoviocytes in rheumatoid arthritis; from a friend to foe. *Autoimmunity Highlights*. 2021 Dec;12(1).
8. Keshavarz M, Tavakoli A, Zanganeh S, **Mousavi MJ**, Vahdat K, Mahmudpour M, Nabipour I, Darabi A, Keshmiri S. Clinical characteristics of outpatients and inpatients with COVID-19 in Bushehr: a report from the south of Iran. *Future Virology*. 2021 Feb(0).
9. Jafari D, **Mousavi MJ**, Keshavarz Shahbaz S, Jafarzadeh L, Tahmasebi S, Spoor J, Esmailzadeh A. E3 Ubiquitin Ligase Cbl-b and its potential therapeutic implications for immunotherapy. *Clinical & Experimental Immunology*. 2020 Dec 11.
10. Kousha A, Gorabi AM, Forouzesh M, Hosseini M, Alexander M, Imani D, Razi B, **Mousavi MJ**, Aslani S, Mikaeili H. Interleukin 4 gene polymorphism (- 589C/T) and the risk of asthma: a meta-analysis and met-regression based on 55 studies. *BMC immunology*. 2020 Dec;21(1):1-6.
11. **Mousavi MJ**, Mahmoudi M, Ghotloo S. Escape from X chromosome inactivation and female bias of autoimmune diseases. *Molecular Medicine*. 2020 Dec;26(1):1-20.

12. Masoumi M, Mehrabzadeh M, Mahmoudzahi S, **Mousavi MJ**, Jamalzahi S, Sahebkar A, Karami J. Role of glucose metabolism in aggressive phenotype of fibroblast-like synoviocytes: Latest evidence and therapeutic approaches in rheumatoid arthritis. *International immunopharmacology*. 2020 Dec 1;89:107064.
13. Keshavarz M, Solaymani-Mohammadi F, Namdari H, Arjeini Y, **Mousavi MJ**, Rezaei F. Metabolic host response and therapeutic approaches to influenza infection. *Cellular & Molecular Biology Letters*. 2020 Dec;25(1):1-9.
14. Obeidi N, **Mousavi MJ\***, Hosseinpouri A, Malekhayati H, Ehsandoost E. Anticoagulative Effect of Two Species of Brown Algae; *Sargassum Angustifolium* and *Cystoseira Indica*. *Research in Molecular Medicine*. 2020 Aug 10;8(3):125-32.
15. Fattah A, Asadi A, Shayesteh MR, Hesari FH, Jamalzahi S, Abbasi M, **Mousavi MJ\***, Aslani S. Fertility and infertility implications in rheumatoid arthritis; state of the art. *Inflamm. Res*. 2020 May.
16. Karami J, Aslani S, Tahmasebi MN, **Mousavi MJ**, Sharafat Vaziri A, Jamshidi A, Farhadi E, Mahmoudi M. Epigenetics in rheumatoid arthritis; fibroblast-like synoviocytes as an emerging paradigm in the pathogenesis of the disease. *Immunology and Cell Biology*. 2020 Mar;98(3):171-86.
17. Maleki F, Mashayekhi K, Badiie Kheirabadi SE, **Mousavi MJ\***, Sankian M. A convenient method for solubilization and refolding recombinant proteins: an experience from recombinant mouse TGF- $\beta$ 1. *Research in Molecular Medicine*. 2020 Feb 10;8(1):0-.
18. **Mousavi MJ**, Jamshidi A, Chopra A, Aslani S, Akhlaghi M, Mahmoudi M. Implications of the noncoding RNAs in rheumatoid arthritis pathogenesis. *Journal of cellular physiology*. 2019 Jan;234(1):335-47.
19. Abbasi M, **Mousavi MJ\***, Jamalzahi S, Alimohammadi R, Bezvan MH, Mohammadi H, Aslani S. Strategies toward rheumatoid arthritis therapy; the old and the new. *Journal of cellular physiology*. 2019 Jul;234(7):10018-31.
20. Abdi A, Hosseinpour M, Mashayekhi K, **Mousavi MJ\***, Badiie Kheirabadi SE, Sankian M. Optimization of Cloning Conditions for High-Level Production of Recombinant Mouse Interleukin-2 in *Escherichia coli*. *Research in Molecular Medicine*. 2019 Feb 10;7(1):16-25.
21. Gholamzad M, Ebtekar M, Ardestani MS, Azimi M, Mahmodi Z, **Mousavi MJ**, Aslani S. A comprehensive review on the treatment approaches of multiple sclerosis: currently and in the future. *Inflammation Research*. 2019 Jan 15;68(1):25-38.
22. Keshavarz M, Mirzaei H, Salemi M, Momeni F, **Mousavi MJ**, Sadeghalvad M, Arjeini Y, Solaymani-Mohammadi F, Sadri Nahand J, Namdari H, Mokhtari-Azad T. Influenza vaccine: Where are we and where do we go?. *Reviews in medical virology*. 2019 Jan;29(1):e2014.

23. Shayesteh MR, Haghi-Aminjan H, **Mousavi MJ**, Momtaz S, Abdollahi M. The Protective Mechanism of Cannabidiol in Cardiac Injury: A Systematic Review of Non-Clinical Studies. *Current pharmaceutical design*. 2019.
24. Kahkhaie KR, Mirhosseini A, Aliabadi A, Mohammadi A, **Mousavi MJ**, Haftcheshmeh SM, Sathyapalan T, Sahebkar A. Curcumin: a modulator of inflammatory signaling pathways in the immune system. *Inflammopharmacology*. 2019 May 28:1-6.
25. Abdi A, Hosseinpour M, Mashayekhi K, **Mousavi MJ\***, Badiie Kheirabadi SE, Sankian M. Optimization of Cloning Conditions for high-level Production of Recombinant Mouse Interleukin-2 in Escherichia coli. *Res Mol Med (RMM)*. 2019; 7 (1)
26. Yeganeh F, **Mousavi SMJ**, Hosseinzadeh-Sarband S, Ahmadzadeh A, Bahrami-Motlagh H, Hoseini MH, Sattari M, Sohrabi MR, Pouriran R, Dehghan P. Association of CD26/dipeptidyl peptidase IV mRNA level in peripheral blood mononuclear cells with disease activity and bone erosion in rheumatoid arthritis. *Clinical rheumatology*. 2018 Dec 1;37(12):3183-90.
27. Assadiasl S, **Mousavi MJ**, Amirzargar A. Antiapoptotic molecule survivin in transplantation: helpful or harmful?. *Journal of transplantation*. 2018;2018.
28. Assadiasl S, **Mousavi MJ**, Amirzargar A. Toll-Like Receptor 4 in Renal Transplant. *Experimental and clinical transplantation: official journal of the Middle East Society for Organ Transplantation*. 2018 Jun;16(3):245-52.
29. Mehdinejadi K, Jalili A, Rafieian Kopaei M, Salimzadeh L, Mehdinejadi S, **Mousavi SMJ**, Shirzad H. Effect of glycyrrhetic acid and glycyrrhizic acid on the expression of CXCR4 in epithelial cells of gastric carcinoma. *Journal of Mazandaran University of Medical Sciences*. 2015 Apr 15;25(123):149-58.
30. **Mousavi SMJ**, Yeganeh F. Roles of Chromatin insulators in gene regulation and diseases. *Research in Molecular Medicine*. 2013 Nov 15;1(3):1-5.

### ***Books:***

- Handbook of Cancer and Immunology. Springer, Cham. 2023
- Immunology. 13th ed. Tehran, Iran: Jahad Daneshgahi Publication; 2018.
- Immunology. 12th ed. Tehran, Iran: Jahad Daneshgahi Publication; 2016.

### ***Editorial board or reviewer:***

- Iranian Journal of Allergy, Asthma and Immunology

- Journal of Cellular Physiology
- Clinical Rheumatology
- Current Pharmaceutical Analysis
- Current Stem Cell Research & Therapy
- Current Rheumatology Reviews
- Current Pharmaceutical Biotechnology
- Mini-Reviews in Medicinal Chemistry
- Advances in Applied Physiology
- Coronavirus