

Personal details:

Surname: Kalani

First Name: Mehdi

Date of Birth: September 20, 1973

Place of Birth: Shiraz, Iran

E-mail: mkalani2008@gmail.com

Mehdk@yahoo.com

mKalani@sums.ac.ir

Educational Background:

1. Ph.D. in Medical Immunology, Shiraz University of Medical Science, Shiraz, Iran, 2017.
2. MSc. in Immunology, Shiraz University of Medical Science, Shiraz, Iran, 2007.
3. BSc. of Medical Laboratory Sciences - Paramedical School of Shiraz, Iran, 1997-1999
4. Associate Degree of Medical Laboratory Sciences--Bandar-Abbas University of Medical Sciences, Bandar Abbas, Iran, 1992-1994.

Awards and Honors:

1. Student of distinction in medical immunology, as selected by Iranian Society for Immunology and Allergy.
2. Top ranked Ph.D. student of immunology among 2011 admission.
3. Second rank in immunology Ph.D. national entrance exam in 2011.
4. First ranked among the master graduates of immunology in 2007.

Professional experiences:

Prof. Alborzi Clinical Microbiology Research Center, Shiraz University of Medical Sciences, since 1999 until now.

Publications:

1. Masoudi, S., **Kalani, M.**, Alavianmehr, A., Mosleh-Shirazi, M. A., Mortazavi, S. M. J., & Farjadian, S. (2024). Sequential radiation exposure: uncovering the potential of low dose ionizing radiation in mitigating high dose effects on immune cells. *International Journal of Radiation Biology*, 1–10. <https://doi.org/10.1080/09553002.2024.2345107>.
2. Omid Reza Zekavat, Yasaman Movahednezhad, Amin Shahsavani, Sezaneh Haghpanah, Negin Shokrgozar, Hossein Golmoghaddam, **Mehdi Kalani**, Mohammad Reza Bordbar and Nargess Arandi. Abnormal frequency of the memory B cell subsets and plasmablasts in patients with congenital severe hemophilia A: correlation with “Inhibitor” formation. *Blood Research* (2024) 59:16. <https://doi.org/10.1007/s44313-024-00017-7>
3. Soolmaz Khansalar, Zahra Faghih, Shaghik Barani, **Mehdi Kalani**, Mohammad Reza Ataollahi, Zeinab Mohammadi, Sepideh Namdari, Kurosh Kalantar. IFN- γ , IL-17, IL-22+ CD4+ subset in patients with hepatitis C virus and correlation with clinical factor. *American Journal of Clinical and Experimental Immunology*. 2024;13(1):43.
4. Samadi N, **Kalani M**, Azimi T, Hosainzadegan H, Hadi N. Phenotypic and molecular detection of carbapenemase-producing *Klebsiella pneumoniae* isolated from patients admitted to teaching hospitals in Shiraz, Iran. *Jundishapur Journal of Microbiology*. 2023 Dec 31;16(12).
5. Fazeli P, **Kalani M**, Hosseini M. T memory stem cell characteristics in autoimmune diseases and their promising therapeutic values. *Front Immunol*. 2023 Jul 11;14:1204231. doi: 10.3389/fimmu. 2023.1204231. PMID: 37497231; PMCID: PMC10366905.
6. Arandi, N, Zekavat, OR, Shokrgozar, N, Shahsavani, A, Golmoghaddam, H, **Kalani, M**. Altered frequency of FOXP3+ regulatory T cells is associated with development of inhibitors in patients with severe hemophilia A. *Int J Lab Hematol*. 2023; 1- 8. doi:10.1111/ijlh.14139
7. Kurosh kalantar, Atefe Ghamar Talepoor, Mahsa Eshkevar Vakili, Narges kaarami, **Mehdi Kalani**, Farzad Ghandehari, Dieter Kabalitz, Seppo Meri, Afagh Moattari, Th-1, Th-2, Th-9, Th-17, Th-22 type cytokine concentrations of critical COVID-19 patients after treatment with Remdesivir, *Immunobiology*, 2023, 152378, ISSN 0171-2985.

<https://doi.org/10.1016/j.imbio.2023.152378>.

8. Amanati, A., Shahriari, M., Bordbar, Seyyed Bozorgmehr Hedayati, Mazyar Ziyaeyan, Marzieh Jamalidoust, **Mehdi Kalani**, and Nahid Heydari Marandi. Severe acute respiratory syndrome coronavirus-2 Alpha variant (B.1.1.7), original wild-type severe acute respiratory syndrome coronavirus 2, and cytomegalovirus co-infection in a young adult with acute lymphoblastic leukemia, case report, and review of the possible cytomegalovirus reactivation mechanisms. *J Med Case Reports* 17, 66 (2023). <https://doi.org/10.1186/s13256-022-03750-8>.
9. Mehdi Dehghani, Mani Ramzi, Vida Moayed, Narges Rezaei, **Mehdi Kalani**, Hossein Golmoghaddam, Nargess Arandi. Selenium Supplementation Alter the Frequency of Th17 but not Th1/Th2 Lymphocytes in Diffuse Large B Cell Lymphoma Patients. *Clin Lab*. 2023 Jan 1;69(1). doi: [10.7754/Clin.Lab.2022.220317](https://doi.org/10.7754/Clin.Lab.2022.220317)
10. Narges Arandi, Mehdi Dehghani, Mani Ramzi, Hossein Golmoghaddam, Narges Rezaei, Vida Moayed, **Mehdi Kalani**. Study of the ratio of Treg/Th1 and Treg/Th2 lymphocytes in Hodgkin's lymphoma patients and its relationship with disease prognosis. *Armaghane Danesh*. 2022, 28 (1): 0-0. Doi. [10.52547/armaghanj.28.1.6](https://doi.org/10.52547/armaghanj.28.1.6)
11. Mehri Joghataei1, Gholamreza Pouladfar2, Fakhri Shahidi1, **Mehdi Kalani**. Evaluating the Effect of a Food-origin *Lactobacillus plantarum* Strain on Th17 Related Cytokines. *Turk J Immunol*. 2022; 10(3):170-8. DOI: [10.4274/tji.galenos.2022.54154](https://doi.org/10.4274/tji.galenos.2022.54154).
12. Mohammadreza Ataollahi, Ebrahim Akrami, **Mehdi Kalani**, Malek Zarei, Mahsa Rostami Chijan, Massih Sedigh-Rahimabadi, Hiva Alipanah. Evaluation of anticoagulant and inflammatory effects of *Tanacetum parthenium* (L.) in a randomized controlled clinical trial. *Journal of Herbal Medicine* 36 (2022) 100613.
13. **Mehdi Kalani**, Narges Mahdavizadeh, Pooria Fazeli, Maral Choopanizadeh, Maede Jafari, Saeedeh Parvareh. Investigation of association between IL-6 level, il6 and il6r variants and community acquired pneumonia among Iranian children <5 years. *Human Gene*, 34 (2022) 201124.
14. Hossein Farshidi, Narges Farshidi, Tayebeh Ghaedi, Mehdi Hassaniazad, Ebrahim Eftekhari, Hamed Gouklani, Mohammad Reza Asadi Karam, Behzad Shahbazi, **Mehdi Kalani**, Khadijeh Ahmadi. Preparation and pre-clinical evaluation of flagellin-adjuvanted NOM vaccine

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16. Kashef S, Moghtaderi M, Hatami HR, Kalani M, Alyasin S, Nabavizadeh H, Farjadian S. Evaluation of T Cell Proliferation Using CFSE Dilution Assay: A Comparison between Stimulation with PHA and Anti-CD3/Anti-CD28 Coated Beads. *Iran J Allergy Asthma Immunol*. 2022; 21(4):458-466.
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24. Ehsan Dowlatshahi, Shahdad Khosropanah, **Mehdi Kalani**, Mehrnoosh Doroudchi. Investigating Adipokine levels in the sera of patients with myocardial infarction in a 6-month follow up. *J Exp Clin Med*. 2021; 38(4): 425-433. doi: 10.52142/omujecm.38.4.5
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29. **Mehdi Kalani**, Seyed-Amin Kouhpayeh, Seyedeh Azra Shamsdin, Javad Jamshidi, Maral Choopanizadeh, Gholamhossein Keighobadi, Ali Moravej. Association of interleukin-17 A gene variants and susceptibility to H. pylori related gastric diseases. *Meta Gene*. 2021: 28, 100885.

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31. Khadijeh Ahmadi, Mehdi Hasaniyazad, **Mehdi Kalani**, Sobhan Faezi, Nahid Ahmadi, Maryam Enayatkhani, Mehdi Mahdavi, Gholamreza Pouladfar. Comparative study of the immune responses to the HMS-based fusion protein and capsule-based conjugated molecules as vaccine candidates in a mouse model of *Staphylococcus aureus* systemic infection. *Microbial Pathogenesis*. 2021, 150; 104656.
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42. Khadijeh Ahmadi, Mohammad M. Aslani, Gholamreza Pouladfar, Sobhan Faezi, **Mehdi Kalani**, Mohammad R. Pourmand, Tayebe Ghaedi, Seyed A. Havaei, Mehdi Mahdavi. Preparation and preclinical evaluation of two novel Staphylococcus aureus capsular polysaccharide 5 and 8-fusion protein (Hla-MntC-SACOL0723) immunoconjugates. *IUBMB Life*. 2019;1–11.
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