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Current Position

Assistant professor, Department of immunology, School of Medicine, Kermanshah University of Medical Sciences, Kermanshah Iran

Education

PhD.in Immunology, April 2017

Mashhad University of Medical Sciences, Mashhad, Iran

MSc. in immunology, October 2010

Department of immunology, Esfahan University of medical science, Esfahan, Iran

B.S. in laboratory Science, September 2005

Shahid Beheshti University of medical science, Tehran, Iran

Publications

1. **Tarokhian H**, Taghadosi M, Rafatpanah H, Rajaei T, Azarpazhooh MR, Valizadeh N, Rezaee SAR: The effect of HTLV-1 virulence factors (HBZ, Tax, proviral load), HLA class I and plasma neopterin on manifestation of HTLV-1 associated myelopathy tropical spastic paraparesis. (Virus research,2017)
2. **Tarokhian H**, Rahimi H, Mosavat A, Shirdel A, Rafatpanah H, Akbarin M, Bari A, Ramezani S, Rezaee SAR: HTLV-1-host interactions on the development of adult T cell leukemia/lymphoma: virus and host gene expressions. (BMC cancer, 2018)
3. Ramezani S, Shirdel A, Rafatpanah H, Akbarin MM, **Tarokhian H**, Rahimi H Bari AJahantigh HR, Rezaee SA: Assessment of HTLV-1 proviral load, LAT, BIM, c-FOS and RAD51 gene expression in adult T cell leukemia/lymphoma. (Medical microbiology and immunology,2017)
4. Mozhgani SH, Jaberi N, Rezaee SA, Bustani R, Jazayeri SM, Akbarin MM, Milani S, **Tarokhian H**, Norouzi M: Evaluation of HTLV-1 HBZ and proviral load, together with host IFN λ 3, in pathogenesis of HAM/TSP. (Journal of medical virology, 2017)
5. Sheikh V, Zamani A, Mahabadi-Ashtiyani E, **Tarokhian H**, Borzouei S, Alahgholi-Hajibehzad M: Decreased regulatory function of CD4+CD25+CD45RA+ T cells and impaired IL-2 signalling pathway in patients with type 2 diabetes mellitus.(Scandinavian jornal of immunology, 2018)
6. Adibfar S, Elveny M, H.Sh. Kashikova H.Sh. , Vladimirovna Mikhailova M, Farhangnia P, Vakili-Samiani S, **Tarokhian H***, Jadidi-Niaragh F*, The molecular mechanisms and therapeutic potential of EZH2 in breast cancer, Life Sciences 286 (2021) 120047
7. Mozhgani SH, Zarei-Ghobadi M, Norouzi M, Rahimi H, Valizadeh N, Teymoori-Rad M, **Tarokhian H** , Ostadali,Hamid Farajifard M, Jafari M, Rezae SAR. Signaling factors potentially associated to the pathogenesis of Adult T-cell leukemia /lymphoma: A network-analysis and novel findings assessmen, Virus Research 319 (2022) 198875.

8. Adibfar S, Masjedi A, Nazer A, Rashidi, Vahid Karpisheh B, Izadi S , Hassannia H, Gholizadeh Navashenaq J, Mohammadi H, Hojjat-Farsangi M, **Tarokhian H***, Jadidi-Niarag F*. Combined inhibition of EZH2 and CD73 molecules by folic acid-conjugated SPION-TMC nanocarriers loaded with siRNA molecules prevents TNBC progression and restores anti-tumor responses, Life Sciences 309 (2022) 121008.
9. Lotfi R , Davoodi A , Mortazavi SH , Gorgin Karaji A , **Tarokhian H** , Rezaeiemanesh A , Salari F. Imbalanced serum levels of resolvin E1 (RvE1) and leukotriene B4 (LTB4) in patients with allergic rhinitis, Molecular Biology Reports (2020) 47:7745–7754
10. Halashi B, **Tarokhian H**, Sayad B, Salari F, Gorgin Karaji A. Comparison of the sensitivity and specificity of modified Rose Bengal and ELISA test in the diagnosis of brucellosis. SJKU 2020; 25 (3) :1-13

Research field:

Neuropsychology: emphasizing the role of inflammation and the immune system in the development of neurological disorders and psychopathies.

List of Theses:

No.	Title	Student	Major	Status
1	Evaluation of Combination blockage of Ezh2 and CD73 in 4T1 breast cell lines by siRNA-loaded nanoparticles	Sara Adibfar	MSc in immunology	Graduated
2	Evaluation and comparison of fractalkin (CX3CL1) and fractalkin receptor (CX3CR1) genes expression and serum neopterin levels in patients with major depressive disorder before and after Asentra treatment with control group	Sanmaneh Ebrahimnejad	MSc in immunology	Graduated
3	Evaluation and comparison of genes expression level of Hrd1 and Sel1L and serum level of IL-21 and IL-22 in patients with major depressive disorder before and after Asentra treatment and control group.	Reyhaneh Khalegi Moghadam	MSc in immunology	Graduated

4	Evaluation and comparison of ATF6, CHOP and PERK genes expression in patients with major depressive disorder before and after Sertraline treatment and control group.	Masumeh Setayeshfar	MSc in immunology	Graduated
5	Evaluation and comparison of IRE1 α and XBP1 genes expression in patients with the major depressive disorder before and after Sertraline treatment and control group.	Ali Amiri	Medical doctor	Graduated

Presentations

1. **Hanieh.Tarokhian**, Sayed Abdolrahim Rezaee: Evaluation of HTLV-I and host interaction on development of adult T cell leukemia/lymphoma: study of HBZ, ROR γ t, FOXP3, BAD genes expression. (Poster presentation at 1st International Nastaran symposium-2015)
2. **Hanieh.Tarokhian**, Sayed Abdolrahim Rezaee : HTLV-I -host interaction on development of adult T cell leukemia/lymphoma: study of HTLV-1 –proviral load, HBZ, AKT1, Foxp3 genes expression. (Poster presentation at 1st International Nastaran symposium-2016)
3. **Hanieh.Tarokhian**, Sayed Abdolrahim Rezaee: The role of PI3K /AKT pathway, apoptosis and Regulatory T cells in development of Adult T cell leukaemia lymphoma (ATLL). (lecture presentation in 13th international congress of Immunology and Allergy of Iran-2016)
4. **Hanieh.Tarokhian**, Sayed Abdolrahim Rezaee: Evaluation of HTLV-I and host interaction on development of adult T cell leukemia/lymphoma: study of HBZ, ROR γ t, FOXP3 genes expression. (lecture presentation in 7th international congress of laboratory and clinic and 1th conference of clinical virology-2015)
5. **Hanieh.Tarokhian**, Sayed Abdolrahim Rezaee: HTLV-I and host interaction on development of HTLV-associated myelopathy-tropical spastic paraparesis (HAM/TSP): study of HBZ, AKT1, BAD, IFN- λ 3 genes expression. (Poster presentation at 8th international congress of

- laboratory and clinic and 1th national congress of basic medical sciences and the knowledge based production-2016)
6. **Hanieh.Tarokhian**,Sayed Abdolrahim Rezaee: Evaluation of HTLV-I and host interaction on development of adult T cell leukemia/lymphoma: study of HBZ, AKT1, BAD genes expression (Poster presentation at 14th national congress of medical hematology and oncology-2015)
 7. **Hanieh.Tarokhian**,Sayed Abdolrahim Rezaee: Evaluation of c-Fos, MAPK, CREB and LAT, expression in Adult T cell Lukemia/lymphoma and healthy carriers. (Poster presentation at 14th national congress of medical hematology and oncology-2015)
 8. Reyhaneh khaleghi Moghadam, **Hanieh Tarokhian**: Assessment of HRD1 and SEL1L genes associated with endoplasmic reticulum response in major depressive disorder follow-up Serteralin treatment.(E- Poster at 14th international congress of medical lab and oclinic-2023)
 9. Reyhaneh khaleghi Moghadam, **Hanieh Tarokhian**: Assessment of IL-21 and IL-22 in major depressive disorder follow-up Serteralin treatment. (Mini Oral presentation at 16th international congress of immunology and oAllergy -2023)
 10. Samaneh Ebrahimnejad, **Hanieh Tarokhian**: Assessment of Fractalkine, Fractalkine receptor and plasma level of Neopterin in patients with the major depressive disorder before and after treatment with Sertraline. (Mini Oral presentation at 16th international congress of immunology and oAllergy -2023)

Experience

Teaching

Medical students

- Practical immunology : Esfahan university of medical science, medical school (2008)
- Practical immunology: Mashhad university of medical science, medical school (2013-2014)

Stuff

- Clinical laboratory Technician in reference and central laboratory of Hamadan (2011)

Workshop

- Gene bank, PCR and real time PCR primer designing

Technical skills

- Development of ELISA
- Development of cell culture
- Immunochemistry techniques including Dot Blotting, SDS- PAGE, Western Blotting, Immunoelectrophoresis
- Different methods of DNA and RNA extraction, cDNA synthesis
- Development of conventional PCR, RT PCR.

Additional skills

Computer skills

- Microsoft office (Word, PowerPoint, Excel)
- EndNote
- Mendely
- Bioinformatics softwares for primer designing (Allele ID and Beacon designer)
- SPSS
- Graph pad Prism

Language: Persian, English

