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## Education

Isfahan University of Medical Sciences: Isfahan, Isfahan, IR

2018 to present | Fellowship (Laboratory Sciences (department of pathology))

Iran University of Medical Sciences: Tehran, Tehran, IR

2004 to 2009 | PhD (Immunology)- First rank of entrance exam (2004)

Isfahan University of Medical Sciences: Isfahan, Isfahan, IR

1998 to 2002 | MSc (Immunology)

Ahvaz Jondishapour University of Medical Sciences: Ahvaz, Khuzestan, IR

1994 to 1997 | BSc (Laboratory Sciences)

## Employment

Lorestan University of Medical Sciences: Khoram-Abad, IR

2018 to present | Full Professor (Immunology)

2014 to 2018 | Associate Professor (Immunology)

2010 to 2014 | Assistant Professor (Immunology)

## Awards & Positions

Lorestan University of Medical Sciences: Khoram-Abad, IR

2012, 2014, 2016, 2018 | Distinguished Researcher

Lorestan University of Medical Sciences: Khoram-Abad, IR

2012 to 2018 | Executive Manager (Yafte scientific journal)

## Memberships

Laboratory member of the Medical council of Iran

Immunology Association of Iran

## Review for Journals

Yafte, Bioscience Reports, Microbial Pathogenesis, Egyptian Journal of Medical Human Genetics, Human Immunology, Journal of Applied Pharmaceutical Science, Journal of Clinical and Laboratory Analysis, PLoS ONE, Current Pharmacogenomics and Personalized Medicine (Formerly Current Pharmacogenomics)

## Books (Persian)

1. Laboratory novel technics. Seddigheh Momenzadeh, Masoumeh Jalalvand, Farhad Shahsavar, Shahrokh Bagheri. 2019, Heidari publisher
2. Guide for HIV/AIDS. Farhad Shahsavar, Kobra Entezami. 2011, Boshra
3. Basic immunology. Farhad Shahsavar, Kobra Entezami. 2011, Boshra
4. Must knows of HIV/AIDS. Farhad Shahsavar, Mohammadreza Nasiri, Kobra Entezami. 2010, Peyvand-e-mehr
5. Immunology for nursery and midwifery students. Alireza Salekmoghaddam, Forouzan Karimi, Amir Hassan Zarnani, Tahereh Mousavi, Mohammad Ali Bahar, Farahdokht Fateminasab, Mehdi Shekarabi, Kobra Entezami, Farhad Shahsavar. 2008, Peyvand-e-mehr
6. Immunology for medical students. 2008, translation
7. Questions of basic immunology. Farhad Shahsavar, Mohammadreza Nasiri, Kobra Entezami. 2008, Peyvand-e-mehr
8. Immunology of senescence. Ahmad Masoud, Farhad Shahsavar, et al. 2007, Jahad-e-daneshgahi

## Journal Publications

1. Soheila Akbari, Farhad Shahsavar, et al. : *Recurrent Spontaneous Abortion (RSA) and Maternal KIR genes: A Comprehensive Meta-analysis*. JBRA Assisted Reproduction 2019; in press

2. Seyyed Amir Yasin Ahmadi, Reza Mohammadrezaei-Khorramabadi, Saber Abbaszadeh, Jafar Rezaian, Farhad Shahsavar: *HLA-B27 is a Risk Factor for Rheumatoid Arthritis: Suggestion for an Evidence-based Update*. *Current Pharmacogenomics and Personalized Medicine* 2019; in press
3. Bahareh Shayanrad, Koroush Ghanadi, Ali-mohammad Varzi, Mehdi Birjandi, Seyyed Amir Yasin Ahmadi, Farhad Shahsavar: *Association of KIR genes and their HLA ligands diversity with colorectal cancer in Lur population of Iran*. *Meta Gene* 07/2019; 22:100603., DOI:10.1016/j.mgene.2019.100603
4. Seyyed Amir Yasin Ahmadi, Farhad Shahsavar, Khatereh Anbari, Jafar Rezaian: *An introduction to the role of immunology in medical anthropology and molecular epidemiology*. *Biomedicine & Pharmacotherapy* 11/2018; 109(C):2203-2209., DOI:10.1016/j.biopha.2018.11.085
5. Soheila Akbari, Seyyed Amir Yasin Ahmadi, Farhad Shahsavar, Khatereh Anbari: *Correlation of Maternal KIR and Parental HLA-C Genes Diversity With Risk of Preeclampsia in Lorestan Province of Iran*. *International Journal of Women's Health and Reproduction Sciences* 10/2018; 6(4):452-458., DOI:10.15296/ijwhr.2018.75
6. Soheila Akbari, Seyyed Amir Yasin Ahmadi, Farhad Shahsavar: *The Relationship of Maternal KIR and Parental HLA-C Genes With Risk of Recurrent Spontaneous Abortion: A Regional Study in Lorestan Province, Iran*.
7. Soheila Akbari, Babak Khodadadi, Seyyed Amir Yasin Ahmadi, Saber Abbaszadeh, Farhad Shahsavar: *Association of vitamin D level and vitamin D deficiency with risk of preeclampsia: A systematic review and updated meta-analysis*. *Taiwanese Journal of Obstetrics and Gynecology* 04/2018; 57(2)., DOI:10.1016/j.tjog.2018.02.013
8. Ali Amiri, Toomaj Sabooteh, Seyyed Amir Yasin Ahmadi, Alireza Azargoon, Farhad Shahsavar: *Association of P2X7 gene common polymorphisms with pulmonary tuberculosis in Lur population of Iran*. *Egyptian Journal of Medical Human Genetics* 01/2018; 19(3)., DOI:10.1016/j.ejmhg.2017.12.002
9. Najmeh Pirzadroozbahani, Seyyed Amir Yasin Ahmadi, Hamidreza Hekmat, Golnaz Atri Roozbahani, Farhad Shahsavar: *Autism and KIR genes of the human genome: A brief meta-analysis*. *Egyptian Journal of Medical Human Genetics* 11/2017; 19(3)., DOI:10.1016/j.ejmhg.2017.10.005
10. Ali Amiri, Toomaj Sabooteh, Farhad Shahsavar, Khatereh Anbari, Flora Pouremadi: *MBL gene polymorphisms in susceptibility to pulmonary tuberculosis among the Lur population of Lorestan Province of Iran*. *Genomics Data* 05/2017; 12(C)., DOI:10.1016/j.gdata.2017.05.005
11. Seyyed Amir Yasin Ahmadi, Soheila Akbari, Farhad Shahsavar: *But the reverse is not true: A critical review on staining protocol of uterine natural killer cells*.
12. Farhad Shahsavar, Alireza Azargoon, Niloofar Khodabandehlou, Seyyed Amir Yasin Ahmadi: *The susceptibility to diabetic retinopathy in type 2 diabetic patients of Iran is not affected by the M55V polymorphism of SUMO4*. *Journal of Chemical and Pharmaceutical Sciences* 12/2016; 9(4):inpress.
13. Farhad Shahsavar, Ali-Mohammad Varzi, Seyyed Amir Yasin Ahmadi: *A genomic study on distribution of human leukocyte antigen (HLA)-A and HLA-B alleles in Lak population of Iran*. *Genomics Data* 11/2016; 11(C):3-6., DOI:10.1016/j.gdata.2016.11.012
14. Seyyed Amir Yasin Ahmadi, Shaghayegh Mapar, Ali Safarzadeh, Farhad Shahsavar: *Role of T-Regulatory Cells in Preeclampsia: A Mini Review*.. *Research Journal of Pharmaceutical, Biological and Chemical Sciences* 11/2016; 7(6):1246-1248.
15. Koroush Ghanadi, Bahareh Shayanrad, Seyyed Amir Yasin Ahmadi, Farhad Shahsavar, Hossein Eliasy: *Colorectal cancer and KIR genes in the human genome: A meta-analysis*. *Genomics Data* 11/2016; 10(C):118-126., DOI:10.1016/j.gdata.2016.10.010

16. AliAsghar Kiani, Farhad Shahsavar, Mojtaba Gorji, Kolsoum Ahmadi, VahidehHeydari Nazarabad, Banafsheh Bahmani: *Prevalence of Abelson murine leukemia viral oncogene homolog-breakpoint cluster region fusions and correlation with peripheral blood parameters in chronic myelogenous leukemia patients in Lorestan Province, Iran.* 10/2016; 6(4):271., DOI:10.4103/2229-516X.192591
17. Bahareh Shayanrad, Seyyed Amir Yasin Ahmadi, Farhad Shahsavar: *Breast cancer is protected by the KIR gene 2DL1 and affected by 2DL2: A systematic review.* Der Pharmacia Lettre 09/2016; 8(15):22-25.
18. Farhad Shahsavar, Shaghayegh Mapar, Seyyed Amir Yasin Ahmadi: *Multiple sclerosis is accompanied by lack of KIR2DS1 gene: A meta-analysis.* Genomics Data 09/2016; 10(C)., DOI:10.1016/j.gdata.2016.09.009
19. Seyyed Amir Yasin Ahmadi, Farhad Shahsavar, Soheila Akbari: *A Review on Controversies about the Role of Immune and Inflammatory Systems in Implantation Process and Durability of Pregnancy.* International Journal of Women's Health and Reproduction Sciences 06/2016; 4(3):96-102., DOI:10.15296/ijwhr.2016.24
20. F. Shahsavar, A. Azargoon, A. Sheikhan: *Interleukin-10-1082A > G polymorphism and susceptibility to pulmonary Tuberculosis in Lur population of Iran.* Tropical biomedicine 06/2016; 33(2):231-237.
21. Farhad Shahsavar, Gholamreza Shahsavari, Alireza Azargoon: *753 G/A polymorphism of TLR2 in the susceptibility to pulmonary tuberculosis in the Lur population of Iran.* Asian Pacific Journal of Tropical Disease 05/2016; 6(5):354-357., DOI:10.1016/S2222-1808(15)61046-5
22. Ali Mohammad Varzi, Farhad Shahsavar, Mohammad Javad Tarrahi: *Distribution of HLA-DRB1 and HLA-DQB1 alleles in Lak population of Iran.* Human immunology 05/2016; 77(7)., DOI:10.1016/j.humimm.2016.05.011
23. Seyyed Amir Yasin Ahmadi, Farhad Shahsavar, Afshin hasanvand: *Controversies on Preeclampsia through the lens of Reproductive Immunology: A Systematic Review.* DOI:10.16965/ijims.2016.104
24. Farhad Shahsavar, Mahmood Bozorgmehr, Ebrahim Mirzadegan, Anita Abedi, Zohreh Mehri Lighvan, Fereshteh Mohammadi, Nasser Safari, Vahid Amani, Amir-Hassan Zarnani: *A Novel Platinum-based Compound with Preferential Cytotoxic Activity against a Panel of Cancer Cell Lines.* Anti-cancer agents in medicinal chemistry 01/2016; 16(3):393-403.
25. Farhad Shahsavar, Ali Mohammad Varzi, Alireza Azargoon: *Association between TNF -308G/A polymorphism and susceptibility to pulmonary tuberculosis in the Lur population of Iran.* Asian Pacific Journal of Tropical Biomedicine 11/2015; 6(1)., DOI:10.1016/j.apjtb.2015.09.017
26. Farhad Shahsavar, Mahmood Bozorgmehr, Ebrahim Mirzadegan, Anita Abedi, Zohreh Mehri Lighvan, Fereshteh Mohammadi, Nasser Safari, Vahid Amani, Amir-Hassan Zarnani: *A Novel Platinum-based Compound with Preferential Cytotoxic Activity against a Panel of Cancer Cell Lines.* Anti-cancer agents in medicinal chemistry 08/2015; 15(999)., DOI:10.2174/1871520615666150807104228
27. Farhad Shahsavar, Mehrzad Jafarzadeh, Behnam Asadifar, Toomaj Sabooteh, Mina Darand: *The effect of narcotic addiction on thyroid function.*
28. Farhad Shahsavar, Mehrzad Jafarzadeh, Alireza Azargoon, Mehdi Hedayati, Behnam Asadifar: *Small ubiquitin-like modifier 4 M55V polymorphism is not associated with diabetic nephropathy in Iranian type 2 diabetes patients.* Indian Journal of Human Genetics 04/2013; 19(2):179-82., DOI:10.4103/0971-6866.116121
29. F. Shahsavar, A. Kheirollahi, M. Jafarzadeh, M. hedayati: *SUMO4 M55V Polymorphism is associated with diabetic nephropathy in Iranian type 2 diabetes patients.* Life Science Journal 01/2013; 10(5):485-487.
30. F. Shahsavar, K. Ghanadi, M. Jafarzadeh, B. Nasiri, S. Forutani: *Opium addiction decreases T3 uptake amount.* Life Science Journal 01/2013; 10:608-610.

31. F. Shahsavari, B. Asadifar, M. Jafarzadeh, S. Forutani: *Distribution of KIR genes in the Lur population of Iran*. Life Science Journal 01/2013; 10:11-16.
32. F. Shahsavari, N. Tajik, K. Entezami, B. Asadifar, K. Alimoghaddam, A. Ghavamzadeh: *Donor KIR genotype with KIR2DS3 and/or KIR3DS1 increases survival after non-T-cell depleted HLA-identical sibling hematopoietic stem cell transplantation for acute myeloid leukemia*. Life Science Journal 01/2013; 10:17-25.
33. Farhad Shahsavari, Tahereh Mousavi, Toomaj Sabooteh: *The role of balance between inhibitory and activating KIRs in determining susceptibility to Ankylosing Spondylitis*.
34. Farhad Shahsavari, Kamran Alimoghaddam, Alireza Azargoon, Toomaj Sabooteh, Sara Nazarzadeh: *The impact of chronic GVHD on survival of Patients with acute myeloid leukemia after non-T-cell depleted HLA-identical sibling peripheral blood stem cells transplantation*.
35. Farhad Shahsavari, Tahereh Mousavi, Alireza Azargoon, Kobra Entezami: *Association of KIR3DS1+ HLA-B Bw4Ile80 Combination with Susceptibility to Tuberculosis in Lur Population of Iran*. Iranian journal of immunology: IJI 03/2012; 9(1):39-47.
36. Tahereh Mousavi, Farhad Shahsavari, Parisa Farnia, Nader Tajik, Mahbubeh Soofi: *Study of KIR Expression and HLA Ligands in CD56(+) Lymphocytes of Drug Resistant Tuberculosis Patients*. Iranian journal of allergy, asthma, and immunology 09/2011; 10(3):189-94.
37. N Tajik, F Shahsavari, H Poormoghimi, M.F. Radjabzadeh, T Mousavi, A Jalali: *KIR3DL1+HLA-B Bw4(Ile80) and KIR2DS1+HLA-C2 combinations are both associated with ankylosing spondylitis in the Iranian population*. International Journal of Immunogenetics 07/2011; 38(5):403-9., DOI:10.1111/j.1744-313X.2011.01024.x
38. Abdolreza Kheirollahi, Farhad Shahsavari, Toomaj Sabooteh: *Diagnosis and Treatment of Antisperm antibody*.
39. Farhad Shahsavari, Toomaj Sabooteh: *Etiology and Pathogenesis of Antisperm antibody*.
40. F Shahsavari, N Tajik, K. Entezami: *Killer Cell Immunoglobulin-like Receptors and their Ligands*. 09/2010; 4(3).
41. Tahereh Mousavi, Hadi Poormoghimi, Maziar Moradi, Nader Tajik, Farhad Shahsavari, Behnam Asadifar: *Inhibitory Killer Cell Immunoglobulin-Like Receptor KIR3DL1 in Combination with HLA-B Bw4(iso) Protect against Ankylosing Spondylitis*. Iranian journal of immunology: IJI 06/2010; 7(2):88-95.
42. Farhad Shahsavari, Nader Tajik, Kobra-Zinat Entezami, Masoomeh Fallah Radjabzadeh, Behnam Asadifar, Kamran Alimoghaddam, Mohammadreza Ostadali Dahaghi, Arash Jalali, Andisheh Ghoshghaie, Ardeshir Ghavamzadeh: *KIR2DS3 is Associated with Protection against Acute Myeloid Leukemia*. Iranian journal of immunology: IJI 03/2010; 7(1):8-17.
43. N Tajik, F Shahsavari, Nasiri MR, M.F. Radjabzadeh: *Compound KIR-HLA genotype analyses in the Iranian population by a novel PCR-SSP assay*. International Journal of Immunogenetics 02/2010; 37(3):159-68., DOI:10.1111/j.1744-313X.2010.00906.x
44. Tahereh Mousavi, Hadi Poormoghimi, Maziar Moradi, Nader Tajik, Farhad Shahsavari, Mahboobeh Soofi: *Phenotypic Study of Natural Killer Cell Subsets in Ankylosing Spondylitis Patients*. Iranian journal of allergy, asthma, and immunology 12/2009; 8(4):193-8.
45. N Tajik, F Shahsavari, T Mousavi, M.F. Radjabzadeh: *Distribution of KIR genes in the Iranian population*. Tissue Antigens 05/2009; 74(1):22-31., DOI:10.1111/j.1399-0039.2009.01263.x

46. Shahsavari F, Rezaei A, M. H. Nasr Esfahani, Asadifar B, M. R. Nasiri, Jafari M, Danesh P: *Detection of Antisperm Antibodies by Indirect Flow Cytometry: Comparison with Direct Mixed Agglutination Reaction Test*. 09/2007; 1(3).
47. Shahsavari F, A. R. Kheirollahi, Assadifar B, M. J. Tarrahi: *Antisperm Antibody and the Risk Factors of Its Formation in Infertile Men*. 07/2007; 1(2).

## Abstracts (updated 2016)

- 1- The 12th International Congress of Immunology and Allergy of Iran, 29 April - 2 May 2014
  - A) Association between Tumor Necrosis Factor -308G/A polymorphism and pulmonary tuberculosis in the Lur population of Iran
  - B) Toll-Like Receptor 2 Arg753Gln polymorphism is associated with susceptibility to pulmonary tuberculosis in the Lur population of Iran
- 2- The 7th International and 12th National Congress on Quality Improvement in Clinical Laboratories, 17-20 April 2014
  - A) Distribution of ApoE polymorphisms in the Lur population
  - B) Association of activating KIRs with susceptibility to tuberculosis in the Lur population
- 3- The 6th International Congress of Laboratory & Clinic, 12-14 Feb 2014
  - A) Comparison of KIR/HLA genotypic analysis in the Lur and Iranian populations
  - B) The effect of narcotic addiction on thyroid function
- 4- The 6th International and 11th National Congress on Quality Improvement in Clinical Laboratories, 20-23 April 2013
  - A) Opium addiction reduces the amount of T3 uptake
  - B) Distribution of KIR genes in the Lur population
- 5- The 5th International Congress of Laboratory & Clinic, 15-18 January 2013
  - A) KIR2DS3 is Associated with Protection against Acute Myeloid Leukemia
  - B) Association of KIR3DS1+HLA-B Bw4 Ile80 Combination with Susceptibility to Tuberculosis in Lur Population of Iran
- 6- The 11th International Congress of Immunology and Allergy of Iran, 26-29 April 2012
  - A) The synergistic effect of donor Bx genotype with KIR2DS3 and/or KIR3DS1 and cGVHD occurrence on survival after non-T-cell depleted HLA-identical sibling hematopoietic stem cell transplantation for acute myeloid leukemia
  - B) Role of KIR-HLA combination in hematopoietic stem cell transplantation
- 7- The 5th International and 10th National Congress on Quality Improvement in Clinical Laboratory, 23-26 April 2012
  - A) The impact of chronic GVHD on survival of acute myeloid leukemia patients after non-T-cell depleted HLA-identical sibling peripheral blood stem cell transplantation
- 8- The 4th Congress of Laboratory & Clinic, 2012
  - A) Association of KIR/HLA genotype with Ankylosing Spondylitis
- 9- The 3th Congress of Laboratory & Clinic, 2011
  - B) Lack of HLA-A3/11 for donor KIR3DL2 improves survival after non-T-cell depleted HLA- identical sibling hematopoietic stem-cell transplantation for acute lymphoblastic leukemia
- 10- The 10th International Congress of Immunology and Allergy of Iran, 18-20 May 2010
  - A) The Impact of KIR-HLA mismatch on HLA-identical sibling hematopoietic stem cell transplantation outcome
- 11- The 9th Congress of Immunology and Allergy of Iran, 2008

A) Lack of association between ICAM-1 gene polymorphisms and pulmonary tuberculosis 12- The 8th Congress of Immunology and Allergy of Iran, 2006

B) Relationship between in vitro fertilization rate and the level of antisperm antibody in seminal plasma measured by flow cytometry

13- The 7th Congress of Immunology and Allergy of Iran, 2006

A) Detection of antisperm antibodies by indirect flow cytometry: comparison with direct mixed agglutination reaction test