

## Curriculum Vitae



### Personal Information

<b>First name:</b> Fateme	<b>Surname:</b> Zare
<b>Date of birth:</b> 16th Sep 1983	<b>Title:</b> Ph.D. of medical immunology
<b>Gender:</b> Female <b>Marital status:</b> married <b>Nationality:</b> Iran <b>E-mail (work):</b> <a href="mailto:fatemezare91@gmail.com">fatemezare91@gmail.com</a> <a href="mailto:fzm1362@ssu.ac.ir">fzm1362@ssu.ac.ir</a> <b>E-mail (private):</b> <a href="mailto:fatemehzareh91@yahoo.com">fatemehzareh91@yahoo.com</a>	<b>Work address:</b> 1. <i>Reproductive Immunology Research Center, Shahid Sadoughi University of Medical Sciences, Yazd, Iran.</i> 2. <i>Department of Immunology, Faculty of Medicine, Shahid Sadoughi University of Medical Sciences, Yazd, Iran.</i>
<b>Home address:</b> Maskan Square, Meqdad Street, 11 <sup>th</sup> Alley	<b>Tel:</b> +98 353 6285406
<b>Postcode:</b>	<b>Postcode::</b> 8916188635

H-Index in Google scholar (Up to 15 June 2022) = 7  
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2022 H-Index in Scopus (Up to 1 Feb 2021)= 7

**ORCID ID:** <https://orcid.org/0000-0003-0436-9924>

## **Educational Background**

**2001-2007** Discontinuous laboratory science (BS) Shahid Sadoughi University of Medical Sciences, Yazd- Iran

**2011-2014** Medical immunology (MSc) Shahid Sadoughi University of Medical Sciences, Yazd- Iran

**2014-2020** Medical immunology (Ph.D.) Tehran University of Medical Sciences, Tehran- Iran

## **Employment / Professional Experiences**

- **2007 until now** lab assistant in School of Paramedical Sciences Shahid Sadoughi University of Medical Sciences, Yazd, Iran
- **2007-2014** lab assistant in Bou-Ali Pathobiology laboratory, Yazd, Iran
- **2012-2014** MSc thesis ‘**Survey of IL28B Gene Polymorphism (rs 12979860) in Patients with Hepatitis C**’ in Department of immunology, Faculty of Medicine, Shahid Sadoughi University of Medical Sciences, Yazd, Iran.
- **2016-2020** Ph.D. thesis "**Production of recombinant human leukemia inhibitory factor (hLIF) protein and evaluation of immunologic and contraceptive effects of this protein as a contraceptive candidate vaccine in a Balb/C mouse model**" in Tehran University of Medical Sciences, Tehran, Iran and Reproductive Immunology Research Center, Shahid Sadoughi University of Medical Sciences, Yazd, Iran

## Skills

- PCR & RNA /DNA extraction, real-time PCR, primer design, and sequencing analysis
- SDS-page gel electrophoresis, and western blotting
- Proliferation assay test (MTT, BrdU)
- Cell Culturing & passage, cell freeze, and thawing, Immunohistochemistry test
- Production, Purification, and Characterization of recombinant protein
- Active and passive Immunization of mice and rabbit , and production of polyclonal antibody
- Expert in designing Research methods and study design for student thesis /research projects in immunization, vaccine design, polyclonal antibody production, recombinant protein production, and basic research in immunology.
- Computer (office software's) & internet for Search & research
- Expert in statistical analysis and graph drawing with Graph Pad Prism and SPSS software

## Publications

1. A Shams Shahemabadi, F Salehi, A Hashemi, M Vakili, **F Zare**, N Esphandyari, S Kashanian. **Assessment of antibody titers and immunity to Hepatitis B in children receiving chemotherapy.** *Iranian Journal of Pediatric Hematology and Oncology.* 2012;2(4):133.
2. Zavarreza J, Sheikhha MH, Kalantar M, Bahrami M, Afshari Z, **Zare F.** **Inhibitory Effect of Eicosapentaenoic Acid (EPA) on sFlt-1 (Soluble VEGF Receptor-1) Expression in Trophoblast Tumor Cell Line JEG-3.** *SSU\_Journals.* 2013;21(1):53-61.
3. Eskandari-Nasab E, Moghadampour M, Hasani SS, Hadadi-fishani M, Mirghanizadeh-Bafghi SA, Asadi-Saghandi A, **Zare F**, Sadeghi-Kalani B, Ghazali-bina M. **Relationship between  $\gamma$ -interferon gene polymorphisms and susceptibility to brucellosis infection.** *Microbiology and immunology.* 2013;57(11):785-91.
4. Ansarinia H, **Zare F**, Hadinedoushan. **Comparison of Wright Agglutination Test and ELISA in Diagnosis of Brucellosis.** *Medical Laboratory Journal.* 2014;7(5):45-50.
5. **Zare F**, Dehghan-Manshadi M, Mirshafiey A. **The signal transducer and activator of transcription factors lodge in immunopathogenesis of rheumatoid arthritis.** *Reumatismo.* 2015:127-37.

6. Mowahedi M, Samet M, **Zare F**, Samadi. **Serum levels of IL-17A increase in Asthma but not in accordance with Serum level of IgE and Asthma Severity.** *International Journal of Medical Laboratory* . 2015;2(1):25-33.
7. Mahdi Dehghan-Manshadi, Hossein Hadinedoushan, Mohammad Kazem Amirbaigy, **Fateme Zare**, Gilda Eslami, Seyyed Ali Mirghanizade-Bafghi, Mohsen Akhondi-Meybodi. **Relative expression of toll-like receptors 2 and 7 mRNA in peripheral blood of patients with hepatitis C.** *Hepatitis Monthly*. 2015;15(11).
8. Hadinedoushan H, Dehghan-Manshadi M, **Zare F**. **Determination of hepatitis B virus genotypes in Yazd, central province of Iran.** *International Journal of Medical Laboratory*. 2015;2(2):81-6.
9. **Zare F**, Hadinedoushan H, Akhondi Meybodi M, Dehghanmanshadi M, Mirghanizade Bafghi SA, Vakili M. **The Effect of IL28B Gene Polymorphism on Treatment Response in Iranian Patients with Hepatitis C Virus Infection.** *Jundishapur Journal of Microbiology*. 2016;9(12). (Extracted from my MSc thesis).
10. Dehghan-Manshadi M, Mohiti-Ardakani J, Mirzaei F, **Zare F**. **The Relationship between Thyroid Hormones, Vitamin D and Fasting Blood Glucose Level During Summer and Winter in Nondiabetic Adults.** **Corresponding Author: Fateme Zare.** *International Journal of Medical Laboratory*. 2016;3(1):26-32.
11. Hajimohammadi B, Ehrampoush M, Soltani M, **Zare F**, Jamshidi H, Dehghan H, Dalvand A. **Survey the Relation between Rice Consumption with Aflatoxin M1 Excretion Rate in Yazd Women of using Biomarkers.** *Toloeebehdasht*. 2016;14(6):338-46.
12. Marvinam R, Hadinedoushan H, Dehghanmanshadi M, **Zare F**. **Determination of Helicobacter pylori Antigen in Stool Samples and Comparison with Rapid Urease Test in Patients Suspected of Helicobacter Infection.** **Corresponding Author: Fateme Zare.** *International Journal of Medical Laboratory*. 2017;4(1):63-8.
13. Sakhaei R, Shahvazi S, Mozaffari-Khosravi H, Samadi M, Khatibi N, Khatibi N, Nadjarzadeh A, **Zare F**, Salehi-Abargouei A. **The dietary approaches to stop hypertension (DASH)-style diet and an alternative Mediterranean diet are differently associated with serum inflammatory markers in female adults.** *Food and nutrition bulletin*. 2018;39(3):361-76.
14. Nasim Khatibi, Simin Shahvazi, Azadeh Nadjarzadeh, Morteza Samadi, **Fateme Zare**, Amin Salehi-Abargouei. **Empirically derived dietary patterns and serum inflammatory markers in Iranian female teachers: A cross-sectional study.** *nutrition & dietetics*.2019;76(4):462-71.

15. Mehri Z, Salehi-Abargouei A, Shahvazi S, Samadi M, **Zare F**, Nadjarzadeh. **The association between vitamin D status and metabolic syndrome and its components among female teachers residing in Yazd city.** *Endocrinologia, diabetes y nutricion*. 2019;66(10):628-38.
16. Ansariniya H, Hadinedoushan H, Javaheri A, **Zare F**. **Vitamin C and E supplementation effects on secretory and molecular aspects of vascular endothelial growth factor derived from peritoneal fluids of patients with endometriosis.** *Journal of Obstetrics and Gynaecology*. 2019;39(8):1137-42.
17. Meybodi MA, Hadinedoushan H, **Zare F**. **Quantitative Test of Serum Hepatitis B Surface Antigen versus Hepatitis B DNA Polymerase Chain Reaction in Detection of Hepatitis B in Yazd.** *GOVARESH*. 2019;24(1):46-50.
18. Farzaneh Mirzaei, Vahid Raissi, Aref T Teimouri, Parisa Mousavi, Mohammad Ali Mohaghegh, Mahdi Dehghan Manshadi, **Fateme Zare**, Bahman Rahimi Esboei. **Anti-Trichomonas Vaginalis Activity of Ethanolic Extracts of Medicago Sativa and Satureja Hortensis, In Vitro Study.** *International Journal of Medical Laboratory*. 2019
19. **Zare F**, Seifati SM, Dehghan-Manshadi M, Fesahat. **Preimplantation Factor (PIF): a peptide with various functions.** *JBRA Assisted Reproduction*. 2020;24(2):214.
20. **Zare F**, Saboor-Yaraghi AA, Hadinedoushan H, Dehghan-Manshadi M, Mirzaei F, Mansouri F, Amiri MM. **Production and characterization of recombinant human leukemia inhibitory factor and evaluation of anti-fertility effects of rabbit anti-rhLIF in Balb/c mice.** *Protein Expression and Purification*. 2020;174:105684. (Extracted from my PhD thesis)
21. Akhondzadeh F, Astani A, Najjari R, Samadi M, Rezvani ME, **Zare F**, Ranjbar AM, Safari F. **Resveratrol suppresses interleukin-6 expression through activation of sirtuin 1 in hypertrophied H9c2 cardiomyoblasts.** *Journal of Cellular Physiology*. 2020;235(10):6969-77.
22. Kabiri M, Hemmatpour A, **Zare F**, Hadinedoushan H, Karimollah AJJob. **Paroxetine modulates immune responses by activating a JAK2/STAT3 signaling pathway.** *Journal of Biochemical and Molecular Toxicology*. 2020;34(5):e22464.
23. **Zare F**, Amiri MM, Hadinedoushan H, Dehghan-Manshadi M, Mansouri F, Fesahat F, Saboor-Yaraghi AA. **Contraceptive and molecular function of a novel recombinant vaccine based human leukemia inhibitory factor on Balb/c mice: An experimental in vivo study.** *Journal of Reproductive Immunology*. 2020;142:103195. (Extracted from my PhD thesis)
24. Ansariniya H, Seifati SM, Zaker E, **Zare F**. **Comparison of Immune Response between SARS, MERS, and COVID-19 Infection, Perspective on Vaccine Design and**

**Development.** Corresponding Author: Fateme Zare. *BioMed Research International.* 2021;2021.

25. Mahdi Dehghan-Manshadi, Amin Reza Nikpoor, Hossein Hadinedoushan, **Fateme Zare**, Mojtaba Sankian, Farzaneh Fesahat, Mohammad Taher Tahoori, Mahmoud Reza Jaafari, Houshang Rafatpanah. **Preventive Cancer Vaccination by P5 HER-2/neo Derived Peptide-pulsed Peripheral Blood Mononuclear Cells in Mouse Model of Breast Cancer.** *Biochemistry and Cell Biology.* 4 January 2021. <https://doi.org/10.1139/bcb-2020-0559>
26. Mahdi Dehghan-Manshadi, Amin Reza Nikpoor, Hossein Hadinedoushan, **Fateme Zare**, Mojtaba Sankian, Farzaneh Fesahat, Houshang Rafatpanah. **Protective immune response against P32 oncogenic peptide-pulsed PBMCs in mice model of breast cancer.** *International Immunopharmacology.* (2021) 107414.
27. Khadije Rezai Khanmohammad, Mohammad Bagher Khalili, Maryam Sadeh, Ali Reza Talebi, Akram Astani, Ali Shams, **Fateme Zare.** **The effect of lipopolysaccharide (LPS) from Uropatic Escherichia coli on immune system, testis tissue and spermatozoa of Balb/c mice.** *Clinical and Experimental Reproductive Medicine.* 2021 May 21. doi: 10.5653/term.2020.03888
28. Fatemeh Dehghani Tafti , **Fateme Zare** , Seyed Mohsen Miresmaeili , Farzaneh Fesahat. **Evaluating the Vitamin D concentration and foxp3 mRNA levels in women with recurrent spontaneous abortion.** *JBRA Assisted Reproduction.* <https://doi: 10.5935/1518-0557.20210062>
29. Hadi Zare-Zardini , Shaghayegh Vojdani Nejad Yazdi , Armita zandian , **Fateme Zare** , Seyed Mohsen Miresmaeili , Mahdi Dehghan-Manshadi , Farzaneh Fesahat. **Synthesis, Characterization, and Biological Evaluation of Doxorubicin-Containing Silk Fibroin Micro and Nanoparticles.** *Journal of the Indian Chemical Society.* <https://doi.org/10.1016/j.jics.2021.100161>.
30. Shervin Dokht Farhangfar, Farzaneh Fesahat, Mahdi Dehghan-Manshadi, **Fateme Zare**<sup>2</sup>, Seyed Mohsen Miresmaeili, Hadi Zare-Zardini. **In vivo study of anticancer activity of ginsenoside Rh2-containing arginine-reduced graphene in cancerous mouse model. Under review.**
31. Seyed Mohammad Seifati, Erfan Zaker, Farzaneh Fesahat, **Fateme Zare**, Seyedhossein Hekmatimoghaddam, **Modulatory Effect of Probiotics on Proinflammatory Cytokine Levels in Acrylamide-Treated Rats.** Corresponding Author: Fateme Zare. *Biochemistry*

32. Samira Nafar, Negar Nouri, Maedeh Alipour, Jafar Fallahi, **Fateme Zare**, Seyed Mohammad Bagher Tabei. **Exosome as a target for cancer treatment.** *Journal of Investigative Medicine*. <http://dx.doi.org/10.1136/jim-2021-002194>
33. Hossin Ansariniya, Abolfazl Yavari, **Fateme Zare**, Atiyeh Javaheri. **Oxidative stress-related effects on various aspects of endometriosis.** **Corresponding Author: Fateme Zare.** *American journal of reproductive immunology*. **Under review**
34. Farzaneh Fesahat, Efat Norouzi, Seyed Mohammad Seifati, Saeideh Hamidian, Akram Hosseini, **Fateme Zare**. **Impact of Vitamin C on Gene Expression Profile of Inflammatory and Anti-Inflammatory Cytokines in the Male Partners of Couples with Recurrent Pregnancy Loss.** **Corresponding Author: Fateme Zare.** *International Journal of Inflammation*. <https://doi.org/10.1155/2022/1222533>
35. Maryam Zare Moghaddam, Hossein Ansariniya, Seyed Mohammad Seifati, **Fateme Zare**, Farzaneh Fesahat. **Immunopathogenesis of endometriosis: An overview of the role of innate and adaptive immune cells and their mediators.** **Corresponding Author: Fateme Zare.** *American Journal of Reproductive Immunology*. DOI: 10.1111/aji.13537
36. **Fateme Zare**, Aboolfazl Yavari, Farzaneh Fesahat, Mahdi Dehghan-Manshadi. **Antitumor impact of amygdalin on immune response and apoptotic gene expression in BALB/c mice with breast cancer.** *Indian Journal of Experimental Biology*. **Accepted**
37. Seyed Mohsen Miresmaeili, Farzaneh Fesahat, Negar Kazemi, Hossein Ansariniya, **Fateme Zare**. **Possible Interference of Leukemia Inhibitory Factor in occurrence of Recurrent Spontaneous Abortion.** **Corresponding Author: Fateme Zare.** *International journal of fertility and sterility*. **Accepted**
38. Fesahat, Farzaneh; Afsari , Maliheh ; Talebi, Ali Reza; Agarwal, Ashok; Henkel, Ralf; **Zare , Fatemeh** ; Gül, Murat; Iraci, Nunzio; Cannarella, Rossella; Makki, Masoud; Anvari, Morteza; Abbasi Sarcheshmeh, Abolghsem ; Talebi, Amir Hossein. **ANXA2, SP17, SERPINA5, PRDX2 genes, and sperm DNA fragmentation differentially represented in male partners of infertile couples with normal and abnormal sperm parameters.** *Andrologia*. **Accepted**
39. Erfan Zaker, Negar Nouri, Sepehr Sorkhizadeh, Hamidreza Ghasemirad, Amir Hajijafari, **Fateme Zare**. **The Importance of Personalized Medicine in Chronic myeloid leukemia Management: New updates.** **Corresponding Author: Fateme Zare.** *Cancer Epidemiology*. **Under review**

40. Negar Nouri; Elham Abbasi; Maedeh Khosravi; Erfan Zaker; **Fatemeh Zare**; Valiollah Mehrzad; Seyed Mehdi Kalantar. **Effects of ABCG2 C421A and ABCG2 G34A genetic polymorphisms on response to imatinib mesylate and clinical output in Iranian chronic myeloid leukemia patients.** *Gene Reports*. **Under review**
41. Maryam Yadegari Dehnavi, Seyed Mohammad Seifati, Azadeh Shahrokhi Raeini, Faezeh Afkhami Aghda, **Fateme Zare**, Seyedhossein Hekmatimoghaddam. **Effect of Probiotic on the Liver and Lung Histopathology in Male Rats Exposed to Acrylamide.** *Nutrition & Food Science*. **Submitted**
42. Seyedhossein Hekmatimoghaddam, Maryam Yadegari, Fateme Zare, Fatemeh Zakizadeh, Seyed Mohammad Seifati. **Probiotic Microorganisms Affect Reproductive and Nervous Systems of Male Rats Treated with Acrylamide** *International Journal of Endocrinology and Metabolism*. **Submitted**
43. Amir Masoud Firouzabadi; Maryam Imani; Fatemeh Zakizadeh; Nadia Ghaderi; Fatemeh Zare; Majid Pouranvari Pouretezari; Maryam Yadegari. **Effects of Acrylamide and Ascorbic Acid on Expression of Genes Associated With Ovarian Follicle Development and Serum Levels of Oxidative Stress Markers.** *Toxicology Reports*. **Accepted**
44. Samaneh Harimi, **Fatemeh Zare**, Farzaneh Fesahat, Mahdieh Mondanizadeh. **Optimizing a Calorimetric Method for Quantitative Assessment of Alkaline Phosphatase to characterize the Osteogenic Differentiation of Mesenchymal Stem Cell.** *مجله علمی دانشگاه علوم پزشکی کردستان*. **Accepted**
۴۵. منیره السادات میرجلیلی ، **فاطمه زارع** ، آمنه جاوید ، فرزانه فصاحت . **غلظت سایتوکاینهای التهاب زا در سرم و مایع فولیکولی مبتلایان اندومتريوز و زنان با سن بالا. دانش و تندرستی در علوم پایه پزشکی.** **Under review**
۴۶. فرزانه فصاحت ، نسرین علیپور، مریم ایمانی، محمد حسین رازی، یاسمین رازی، آمنه جاوید، **فاطمه زارع**. **تأثیر غلظت سایتوکاین های مایع فولیکولی با بلوغ تخمک، کیفیت جنین و نتایج بارداری در طی سیکل های تحریک تخمدان در زنان نابارور. نویسنده مسئول : فاطمه زارع. مجله زنان و مامایی و نازایی ایران.** **Accepted**
47. Hossein Ansariniya; **Fateme Zare**; Nariman Mosaffa; Farah Idali; Mahdi Shabani; Hossein Hadinedoushan. **Immunologic deviations in recurrent spontaneous abortion mouse model.** *the journal of maternal fetal and neonatal medicine*. **Revised**
48. Nasrin Hadi, Faezeh Namazi, Fatemeh Ketabchi, Farinaz Khosravian, Behnaz Nateghi, Alireza Talebi, Masoud Baghi, Hamidreza Mianesaz, **Fateme Zare**, Mansoor Salehi. **miR-574, miR-499, miR-125b, miR-106a, and miR-9 potentially target TGFBR-1 and TGFBR-2 genes**



involving in Inflammatory Response Pathway: potential novel biomarkers for Chronic Lymphocytic Leukemia. *Pathology-Research and Practice*. Accepted

## Book

ایمنولوژی دستگاه تولیدمثل زنان  
Immunology of the female genital tract  
مترجمان: فاطمه السادات دشتی، حمیده ولی زاده، فاطمه زارع، مهدی دهقان، رضا باباییان، سیدمجتبی دهقان، محمدنصیری.  
انتشارات: طب گستر سال ۱۳۹۶  
شابک: 97896484444803

## Paper Presented in Conferences

1. H. Hadinedoushan, **F. Zare**, P. Nourbakhsh Seroepidemiology of HBV, HCV and HIV in referred subjects to Yazd Bou-Ali Pathobiology laboratory. *International Congress of Laboratory and Clinic*. November 2011 (**Poster Presentation**).
2. **F.Zare**, T. Navidfar, P. Nourbakhsh. Evaluation of serum antibody levels against *Toxoplasma gondii* and rubella infections in women of reproductive age. *International Congress of Laboratory and Clinic*. November 2011 (**Poster Presentation**).
3. Z. Ahadi, Nabi zade, B Jalali khanabadi, **F.Zare**, H. Mozafari khosravi. مقایسه اثر مصرف 12<sup>th</sup> Iranian Nutrition Congress. 2012 (**Poster Presentation**).
4. Ghiasi Sh, Nourbakhsh P, Akhavan M, **Zare F**. The role of Anti cyclic Citrullinated Peptide (Anti CCP) Antibodies in Serologic Diagnosis and Evaluation of Disease Activity in Rheumatoid Artheritis. 11<sup>th</sup> international congress of immunology & allergy. April 2012 (**Poster Presentation**).

5. **Fateme Zare**, Mahdi dehghan-Manshadi, Javad Mohiti ardakani, Hosein Ansarnia, Abolghasem Asadi-Saghandi, Mahmood Vakili-ghasemabad, Ali Zare. Comparison of the relation between blood sugar and HbA1c levels using two methods: Boronate affinity assay and cation exchange (HPLC). *13th ICB & 5th ICBMB* . April 2013 (**Poster Presentation**).
6. Seyed Ali Mirghanizade-Bafghi, **Fateme Zare**, Mahdi dehghan-Manshadi, Abolghasem Asadi-Saghandi, Circulating levels of interleukin (IL)-12 and IL-13 in Helicobacter pylori-infected patients, and their associations with bacterial CagA and VacA virulence factors. *13th ICB & 5th ICBMB* . April 2013 (**Poster Presentation**).
7. Ebrahim Eskandari-Nasab, Mohammad hashemi, Abolghsem Asadi-Saghandi, Mahdi Dehghan-Manshadi, **Fateme Zare**, Mahmood Vakili-ghaseabad. Examining UDP-glucuronosyltransferase 2B17 (UGT2B17) and dihydrofolate reductase (DHFR) genes deletion and the expression level of NGX6 mRNA in breast cancer. *13th ICB & 5th ICBMB* . April 2013 (**Poster Presentation**).
8. **Fateme Zare**, Mahdi Dehghan-Manshadi, Ebrahim Eskandari-Nasab, Abolghsem Asadi-Saghandi, Alireza Raeissi, Morteza Vakil-Zarchi. Levels of interleukin-(IL)-12p40 are markedly increased in brucellosis among patients with specific IL-12B genotypes. *13th ICB & 5th ICBMB* . April 2013 (**Poster Presentation**).
9. Hosein Ansarinia, Mahdi Dehghan-Manshadi, **Fateme Zare**, Abolghsem Asadi-Saghandi, Hasan Ashori. Study of chemical composition of urinary stones in samples sent to Yazd Central Laboratory from Farvardin 1390 until Tir 1391 and determining the association of these compounds with serum calcium, uric acid and Creatinine. *13th ICB & 5th ICBMB* . April 2013 (**Poster Presentation**).
10. Mahdi Dehghan-Manshadi, **Fateme Zare**, Abolghsem Asadi-Saghandi, Leila Azod, Javad Mohiti-Ardakani. The relation between abnormal thyroid hormone levels and diabetes. *13th ICB & 5th ICBMB* . April 2013 (**Poster Presentation**).
11. Fateme Poorrajab, Marjan Tajik, Seyed Hosein Hekmati-moghadam, **Fateme Zare**, Abolghsem Asadi-Saghandi, Mahdi Dehghan-Manshadi. Human umbilical cord wharton's jelly stem cells (hwjscs) inhibit human myeloid leukemia cell growth, but not amniotic stem cells. *The 9<sup>th</sup> royan international congress on stem cell biology&technology*. 2013 (**Poster Presentation**).
12. M. Pahlavanzade, M. Ghafoorzade, **F. Zare**, M. Aminorroaya. Prevalence of hepatitis B and C in dialysis patients in Yazd. *3<sup>th</sup> National Conference on Hematology*. 2013 (**Poster Presentation**).

13. Khanbarari F, Samadi M, Ghasemi N, **Zare F**. Association of the rs2476601 single-nucleotide polymorphism with recurrent pregnancy loss (RPL). *7th Yazd International Congress and Student Award in Reproductive Medicine with 2nd Congress of Reproductive Genetics.2015 (Poster Presentation)*.
  
14. Rahmani F, Hadinedoushan H, Ghasemi N, **Zare F**. OX40 and OX40L mRNA expression levels in blood cells of women with recurrent miscarriage. *7th Yazd International Congress and Student Award in Reproductive Medicine with 2nd Congress of Reproductive Genetics.2015 (Poster Presentation)*.
  
15. Sakhaei R, Shahvazi S, Mozaffari-Khosravi H, Samadi M, Khatibi N, Nadjarzadeh A, **Zare F**, Salehi-Abargouei A. The Dietary Approaches to Stop Hypertension (DASH)-Style diet and an alternative Mediterranean diet are differently associated with serum inflammatory markers in female adults. *3<sup>th</sup> International Congress and 15<sup>th</sup> Iranian Nutrition Congress. 2018 (Poster Presentation)*.
  
16. Reza Marvinam, Hossein Hadinedoushan, Mahdi Dehghanmanshadi, **Fateme Zare** (Presenting Author). Determination of Helicobacter pylori Antigen in Stool Samples and Comparison with Rapid Urease Test in Patients Suspected of Helicobacter Infection. *14<sup>th</sup> Congress of Immunology and Allergy. 2018 (Mini Oral Presentation)*
  
17. **Zare F** (Presenting Author), Seifati. SM, Amiri MM, Hadinedoushan H, Dehghan-Manshadi M, Fesahat F, Saboor-Yaraghi AA. Contraceptive and molecular function of a novel recombinant vaccine based human leukemia inhibitory factor on Balb/c mice: An experimental in vivo study. *14<sup>th</sup> Congress of Immunology and Allergy. 2021 (Oral Presentation)*
  
18. Dehghani Tafti F\*, **Zare F**, Miresmaeili SM, Fesahat F. **Evaluating the Vitamin D Concentration and Foxp3 mRNA Levels in Women with Recurrent Spontaneous Abortion.** *22 Congress on reproductive Biomedicine and 17 Congress on stemm cell Biology & technology. 5 may 2021 (Poster Presentation)*.
  
19. Fesahat F\*, Norouzi E, Seifati SM, Hamidian S, Hosseini A, **Zare F** .Impact of Vitamin C on Gene Expression Profile of Inflammatory and Anti- Inflammatory Cytokines in The

Male Partners of Couples With Recurrent Pregnancy Loss. *22 Congress on reproductive Biomedicine and 17 Congress on stem cell Biology & technology*. **5 may 2021 (Poster Presentation)**.

20. **Zare F (Presenting Author)**, Amiri M, Hadinedoushan H, Dehghan-Manshadi M, Mansouri F, Fesahat F, Saboor Yaraghi A. **Production of recombinant human leukemia inhibitory factor protein and its immunologic and anti-fertility impacts as a contraceptive candidate vaccine in mice model**. 9<sup>th</sup> Yazd international Congress & student award on reproductive medicine. 13-15 May, 2021. **(Oral Presentation)**
21. **Fateme Zare (Presenting Author)**, Erfan Zaker, Seyed Mohammad Seifati, Ali Akbar Saboor-Yaraghi, Mahdi Dehghan-Manshadi, Mohammad Mehdi Amiri. Production and characterization of recombinant human leukemia inhibitory factor and evaluation of anti-fertility effects of rabbit anti-rhLIF in Balb/c mice. *The 1<sup>st</sup> International conference on Biotechnology and Global Development*. 30<sup>th</sup>-6<sup>th</sup> May 2021. **(Oral Presentation)**
22. **Fateme Zare (Presenting Author)**, Seyed Mohammad Seifati, Mahdi Dehghan-Manshadi, Hossein Hadinedoushan, Mohammad Mehdi Amiri, Farzaneh Fesahat, Ali Akbar Saboor-Yaraghi. Contraceptive and molecular function of a novel recombinant vaccine based human leukemia inhibitory factor on Balb/c mice: An experimental in vivo study. *The 15th International Congress of Immunology and Allergy*. 27-29 January 2021. **(Oral Presentation)**
23. **Fateme Zare**, Abolfazl Yavari, Farzaneh Fesahat, Fatemeh Dashti, Mehdi Dehghan-Manshadi. Antitumor impact of amygdalin on immune response and apoptotic genes expression in BALB/c mice with breast cancer. *5th Cancer Congress November 2021, Shahid Beheshti University of Medical Sciences, Tehran, Iran*. **(Poster Presentation)**.
24. Seyed Mohammad Seifati, **Fateme Zare**, Erfan Zaker, Farzaneh Fesahat, Seyedhossein Hekmatimoghaddam. Modulatory Effect of Probiotics on Proinflammatory Cytokine Levels in Acrylamide-Treated Rats. *13th international congress of medical lab and clinic*. 5-9 February 2022 **(Poster Presentation)**.
25. Ansariniya H, Hadinedoushan, Javaheri A, **Zare F**. Vitamin C and E supplementation effects on secretory and molecular aspects of vascular endothelial growth factor derived from peritoneal fluids of patients with endometriosis. *9th Yazd international Congress & student award on reproductive medicine*. 13-15 May, 2021. **(Oral Presentation)**
26. Maryam Zare Moghaddam, Hossein Ansariniya, Seyed Mohammad Seifati, **Fateme Zare**, Farzaneh Fesahat. Immunopathogenesis of endometriosis; an overview of the role of innate and adaptive immune cells and their mediators. *Sixth International Conference*

*on New Findings in Midwifery, women, maternity and Infertility. March 10,2022 in Tbilisi-Georgia (Oral Presentation)*

27. Kazemi N, Zare F, Miresmaeili SM, Fesahat F. Evaluating the Relationship between TNF- $\alpha$  and IL-17 Serum Levels and Gene Expression Ofleukemia Inhibitory Factor in Women with Recurrent Spontaneous Abortion. *221st Virtual Congress on Reproductive Biomedicine (1-3 September 2021, Tehran, Iran) (Poster Presentation).*

### **Research Projects Association with:**

1. Effect of synbiotic on testis, prostate and seminal vesicle of rats against acrylamide

**Principle investigators**

2. Evaluation of serum leukemia inhibitory factor and autoantibody level in women with history of spontaneous recurrent miscarriage

**Principle investigators**

3. Evaluation of preventing effect by the P5 peptide vaccine of HER2 / neu molecule in Balb / C breast cancer model

**Principle investigators**

4. A review of the different functions of a peptide called the preimplantation factor

**Principle investigator**

5. Comparing the expression of APOA2 and HSPA2 proteins in seminal plasma based on the quality of sperm parameters in non-obstructive infertile men and its relationship with oxidative stress and sperm chromatin structure

**Principle investigators**

6. Evaluation the Effects of different doses of Tropisetron on Toll-like receptors 2,4 genes expression in peripheral blood mononuclear cell culture

**Principle investigators**

7. Evaluation the Effects of Paroxetine on pro and anti Inflammatory cytokines secretion in peripheral mononuclear cell culture

**Principle investigators**

8. Evaluation the Effects of Paroxetine on Gene Expression of pro and anti-Inflammatory cytokines in peripheral mononuclear cell

**Principle investigators**

9. Evaluation the Effects of Bupropion on pro and anti-Inflammatory cytokines secretion in peripheral blood mononuclear cell cultur

**Principle investigators**

10. Effect of acrylamide on liver and lung tissue and liver enzymes of rat with and without probiotic microorganisms

**Principle investigators**

11. Effect of synbiotic on serum level of malondialdehyde and cerebral tissue in rats exposed to acrylamide

**Principle investigators**

12. Association of Interleukin-18 promoter polymorphisms and susceptibility to Human Brucellosis in Yazd city

**Principle investigators**

13. Effect of Silibinin on Apoptosis of K562, chronic myelogenous leukemia cell line

**First assistant**

14. Genotyping of human papillomavirus in cervical squamous neoplasia tissue samples from various pathology centers of Yazd during 1376-1390

**Principle investigators**

15. Survey of relationship between HBsAg levels and the number of hepatitis B virus in sera of patients with hepatitis B

**Principle investigators**

16. Determination of Helicobacter pylori Antigen in Stool Samples and Comparison with Rapid Urease Test in Patients Suspected of Helicobacter Infection.

**Principle investigators**

17. Evaluation and determination of leishmaniasis species isolated from patients with cutaneous leishmaniasis referred to central and Nikpour laboratories in Yazd using RFLP-PCR method in 1389

**Assistant**

**18.** Evaluation the effect of Amygdalin on expression of caspase 3 and P53 protein in mouse model of breast

**Principle investigators**

**19.** Comparison of the apoptosis genes expression pattern in sperm cells of men with normal and abnormal sperm parameters

**First assistant**

**20-** The relationship between maternal and umbilical cord ghrelin hormone and neonatal growth status

**First assistant**

**21-** Evaluation of histopathological changes in mice immunized with recombinant leukemia inhibitory factor

**Principle investigators**

**22-** Effect of probiotics on inflammation in acrylamide-treated rats

**Principle investigators**

**23-** A review of the role of innate and adaptive immune cells and their mediator in the immunopathogenesis of endometriosis

**Principle investigators**

**24-** The Effects of Cryoprotectant-Free Vitrification of Human Spermatozoa on Sperm Epigenetic and Morphokinetic of Generated Embryos from IVM Technology.

**Second Assistant**

**25-** Comparison of innate and adaptive immune response between SARS, MERS and COVID-19 infection, perspective on vaccine design and development

**Principle investigators**

۲۶-مقایسه بیان مارکر آلكالین فسفاتاز (ALP) با تکنیک ایمونوسایتوشیمی (ICC) و آزمایش فسفاتاز قلبیایی در تایید تمایز

استئوبلاست سلول های بنیادی چربی انسانی **Principle investigators**

**Executive committee Association with:**

3. Member of the Scientific Committee of the First International Congress of Reproductive Immunology (April 2015)

**Scientific committee and referee Association with:**

1. Reviewer of Journal of Pharmaceutical Research International
2. Reviewer of International journal of Medical laboratory
3. مجله علمی پزشکی جندی شاپور
4. Asian Journal of Immunology
5. Asian Journal of Research in Infectious Diseases

**Scientific Certificate**

1. **Best researcher** in the medical university of shahid sadoughi, Yazd, Iran in 2015.
2. **Best researcher** in the medical university of shahid sadoughi, Yazd, Iran in 2020.

**Recent Attendance certificate and Professional Training:**

1. Participated in 5<sup>th</sup> Yazd international congress of biochemistry and molecular biology
2. Participated in 4th Congress of Laboratory and medicine
3. Participated in 11th International Congress of Immunology and Allergy
4. Participated in 12th International Congress of Immunology and Allergy
5. Participated in 13th International Congress of Immunology and Allergy
6. Participated in 14th International Congress of Immunology and Allergy
7. Participated in 15th International Congress of Immunology and Allergy
8. Participated in handling of DNA extraction, PCR, ELISA, Real time PCR, SDS-Page, western blot workshops



## **Academic referees**

### **1-Prof.Ali Akbar Saboor-Yaraghi**

**Professor of Biochemistry, Department of Immunology, School of Public Health, Tehran University of Medical Sciences, Tehran, Iran. Tel: +98 21 42933168, mobile number: +98-9122182815 , Fax: +98 21 88954913**

**[asaboor@tums.ac.ir](mailto:asaboor@tums.ac.ir)**

### **2- Prof. Hossein Hadi nadooshan**

**Reproductive Immunology Research Center, Shahid Sadoughi University of Medical Sciences, Yazd, Iran. Mobile: +98-9133576620**

**[hadin2000@gmail.com](mailto:hadin2000@gmail.com)**

### **3- Dr.Mohammad Mehdi Amiri**

**PhD. Assistant Professor of Immunology,Department of Immunology ,School of Public Health,Tehran University of Medical Sciences ,Tehran, Iran.**

**PO Box 6446-14155**

**[m\\_amiri@tums.ac.ir](mailto:m_amiri@tums.ac.ir)**