

Fatemeh Nasri, October 2023

PERSONAL

Family name: **Nasri**
First name: **Fatemeh**
Nationality: Iranian
Place of birth: Estahban-Fars-Iran
Marital status: Married
Sex: Female
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EDUCATION

Ph.D, Medical Immunology **2013-2018**

Department of Immunology, Shiraz University of Medical Sciences, Shiraz, Iran

Thesis: Profiling and proteomic analysis of T lymphocytes in peripheral blood of patients with polycystic ovary syndrome (PCOS)

Supervisor: Dr. Behrouz Gharezi-Fard and Dr. Mehrnoosh Doroudchi

Master of Science, Medical Immunology **2009-2013**

Department of Immunology, Shiraz University of Medical Sciences, Shiraz, Iran

Thesis: Therapeutic effects of mesenchymal stem cells and Mesenchymal Stem Cells-derived Neural Progenitors in chronic experimental autoimmune encephalomyelitis (EAE)

Supervisor: Professor Eskandar Kamali- Sarvestani

Bachelor of Science, Laboratory science **2006-2008**

Department of laboratory science, Paramedical Science; Shiraz University of Medical Science, Shiraz, Iran

Articles

1. Mohtasebi MS, Nasri F, Kamali Sarvestani E. Effect of DiD carbocyanine dye labeling on immunoregulatory function and differentiation of mice mesenchymal stem cells. *Stem Cells International*. 2014;2014.
2. Gharesi-Fard B, Mobasher-Nejad F, Nasri F. The expression of T-helper associated transcription factors and cytokine genes in pre-eclampsia. *Iranian Journal of Immunology*. 2016;13(4):296-308.
3. Nasri F, Gharesi-Fard B, Namavar Jahromi B, Farazi-Fard M, Banaei M, Davari M, et al. Sperm DNA methylation of H19 imprinted gene and male infertility. *Andrologia*. 2017;49(10):e12766.
4. Nasri F, Doroudchi M, Namavar Jahromi B, Gharesi-Fard B. T helper cells profile and CD4+ CD25+ Foxp3+ regulatory T cells in polycystic ovary syndrome. *Iranian Journal of Immunology*. 2018;15(3):17585.
5. Nasri F, Mohtasebi M-S, Hashemi E, Zarrabi M, Gholijani N, Sarvestani EK. Therapeutic efficacy of mesenchymal stem cells and mesenchymal stem cells-derived neural progenitors in experimental autoimmune encephalomyelitis. *International Journal of Stem Cells*. 2018;11(1):68-77.
6. Kazemi A, Soltani S, Ghorabi S, Keshtkar A, Daneshzad E, Nasri F, et al. Effect of probiotic and synbiotic supplementation on inflammatory markers in health and disease status: A systematic review and meta-analysis of clinical trials. *Clinical Nutrition*. 2020;39(3):789-819.
7. Kazemi A, Soltani S, Ghorabi S, Nasri F, Babajafari S, Mazloomi SM. Is probiotic and synbiotic supplementation effective on immune cells? A systematic review and meta-analysis of clinical trials. *Food Reviews International*. 2021;37(5):491-537.
8. Kazemi A, Soltani S, Nasri F, Clark CC, Kolahdouz-Mohammadi R. The effect of probiotics, parabiotics, synbiotics, fermented foods and other microbial forms on immunoglobulin production: A systematic review and meta-analysis of clinical trials. *International Journal of Food Sciences and Nutrition*. 2021;72(5):632-49.
9. Nasri F, Zare M, Doroudchi M, Gharesi-Fard B. Proteome analysis of CD4+ t cells reveals differentially expressed proteins in infertile polycystic ovary syndrome patients. *Endocrine, Metabolic & Immune Disorders-Drug Targets (Formerly Current Drug Targets-Immune, Endocrine & Metabolic Disorders)*. 2021;21(11):1998-2004.
10. Kalantari T, Mohseni-Aghdam B, Nasri F, Tamaddon G, Kalantari M. The Efficacy of siRNA Specific MDM2 in the Induction of Apoptosis in MCF-7 Breast Cancer Cell Line. *Middle East Journal of Cancer*. 2022;13(4):565-72.
11. Kian M, Mirzavand S, Sharifzadeh S, Kalantari T, Ashrafmansouri M, Nasri F. Efficacy of Mesenchymal Stem Cells Therapy in Parasitic Infections: Are Anti-parasitic Drugs Combined with MSCs More Effective? *Acta Parasitologica*. 2022:1-13.
12. Maryam Zare BG-F, Mojgan Akbarzadeh Jahromi³, Fatemeh Hesampour¹, Maryam Valibeigi¹, Tahereh Poordast^{4,2}, Zahra Hoseini⁴, Zahra Shiravani⁴, Fatemeh Sadat Najib^{4,2}, Zahra Anvar^{4,2,5*}, Fatemeh Nasri⁶, 7*. PD-1, PD-L1, and DNA Mismatch Repair Molecules in Endometriosis and

Endometrial Carcinoma: What are the Shared Molecular Characteristics? Austin Journal of Reproductive Medicine & Infertility. 2022;8(1):2-13.

13. Nasri F, Sharifzadeh S. A review on the latest clinical and laboratory criteria for clinical diagnosis of Systemic Lupus Erythematosus. Laboratory & Diagnosis. 2022;14(55):9-15.

14. Nasri F, Zare M, Hesampour F, Ahmadi M, Ali-Hassanzadeh M, Mostafaei S, et al. Are genetic variations in IL-1 β and IL-6 cytokines associated with the risk of pre-eclampsia? Evidence from a systematic review and meta-analysis. The Journal of Maternal-Fetal & Neonatal Medicine. 2022;35(25):6600-9.

15. Zare M, Hesampour F, Poordast T, Valibeigi M, Enaytmehri M, Ahmadi S, et al. Association between gene polymorphisms of IL-12, IL-12 receptor and IL-27 and organ involvement in Iranian endometriosis patients. International Journal of Immunogenetics. 2023;50(1):24-33.

TEACHING EXPERIENCES

Teaching tumor immunology, cytokine and chemokine, and immunodeficiency to undergraduate students of Medical Laboratory Sciences, Estahban Paramedical School, Shiraz University of Medical Science

Teaching ABO typing and serum titration, IFA and SRID to students of Medical Science, Shiraz University of Medical Science

Teaching innate immunity, complement pathways, Allergy, and T helper cells (Th1, Th2, Th17, Treg) differentiation to undergraduate students of Medical Laboratory Sciences, Darab Paramedical School, Shiraz University of Medical Science

Teaching proteomics technique, SDS-PAGE and western blot techniques to Ph.D student of Immunology, Bacteriology and Biochemistry

Workshop on Stem cells: Focus on isolation of Mesenchymal stem cells and differentiation to osteocytes, adipocytes, Autoimmune Disease Research center, department of immunology, Shiraz University of Medical Science.

ORAL PRESENTATIONS IN CONGRESS

Clinical effects of intraperitoneal Mesenchymal stem cells and Mesenchymal stem cells - derived neural progenitor cells in a chronic experimental model of multiple sclerosis.

F. Nasri, T. Kalantari, M. S. Mohtasebi, F. Taki, E. Kamali Sarvestani. 15th international congress of immunology. Milan, Italy. 2013; Page: 188.

Differentiation capacity of Mesenchymal Stem Cells (MSCs) to Neural Progenitor Cells (NPCs) and comparison immunosuppressive factors production between MSCs and NPCs.

Nasri F, Kamali Sarvestani E. 12th international congress of Allergy and Immunology. Tehran, Iran. 2014; Page: 804.

Investigation of T-helper subsets balance in pre-eclampsia.

Ghahesi-Fard B, Mobasher-Nejad F, **Nasri F**, Hesampour F. 7th Yazd International Congress and Student Award in Reproductive Medicine. Yazd, Iran. 2017; Page: 40.

Difference in Protein Expression of the Peripheral Blood CD4+ T Lymphocytes between Polycystic Ovary Syndrome (PCOS) and Healthy Women.

Fatemeh Nasri, Fatemeh Hesam Pour, Behrouz Ghahesi Fard. 14th international congress of Allergy and Immunology. Tehran, Iran. 2018; Page: 504.

POSTER PRESENTATION IN CONGRESS

The effect of DiD on the immunosuppressive function and differentiation potency of Mesenchymal stem cells.

M. S. Mohtasebi1, **F. Nasri**, E. Kamali Sarvestani. 15th international congress of immunology. Milan, Italy. 2013; Page: 970.

Difference in protein expression of the peripheral blood CD4+ T lymphocytes between polycystic ovary syndrome and healthy women.

B. Ghahesi-Fard, **F. Nasri**. 5th European congress of immunology. Amsterdam. 2018 Page: 158.

T helper cells profile and CD4+CD25+Foxp3+ regulatory T cells in Polycystic Ovary Syndrome (PCOS).

F. Nasri, M. Doroudchi, B. Namavar-Jahromi, B. Ghahesi-Fard. 5th European congress of immunology. Amsterdam. 2018 Page: 159.

WORKSHOPS

Workshop on dendritic cells isolation: Transplantation research center, Summer School, Shiraz University of Medical Science, Namazi hospital, 2011.

Workshop on SDS-PAGE and western Blot: Biochemistry Department, Summer School, Shiraz University of Medical Science, 2011.

International workshop on flowcytometry: Royan research center, Tehran, 2012.

International workshop on Mesenchymal Stem cells isolation: Royan research center, Tehran, 2012.

Workshop on Real-time PCR: Institute of Cancer research Center, Summer School, Shiraz university of Medical Science, 2014.

Workshop on Advanced flowcytometry with emphasis on compensation: Iran University of Medical Science, 2019.

Workshop on systematic review with emphasis on metaanalysis: AIDS research center, Shiraz University of Medical Science, 2019.

Book Translation

USMLE Step 1 Lecture Notes 2018 in Immunology and Microbiology, Kaplan publishing

Reviewer

Iranian journal of Immunology

EXPERIMENTAL SKILLS

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- 1) Protein extraction, Bradford assay, SDS-PAGE and Western blot techniques
 - 2) Proteomics, Coomassie blue staining, silver staining and protein analysis
 - 3) Conventional PCR and RFLP
 - 4) DNA bisulfite conversion to study DNA methylation
 - 5) Real-time qPCR
 - 6) Flowcytometry
 - 7) MACS
 - 8) ELISA
 - 9) Cell culture
 - 10) Isolation of Bone marrow Mesenchymal stem cells and their differentiation to Osteocytes, Adipocytes and Neural progenitor cells
 - 11) Induction of animal model of MS (EAE)
 - 12) Proliferation assay by H3 thymidine
 - 13) Immunohistochemistry (IHC)

