

Curriculum Vitae

Name: Sanam Dolati

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PERSONAL INFORMATION

Place & Date of Birth: Tabriz-Iran, 1988

Nationality: Iranian

CURRENT STATUS

- Ph.D in Immunology, Faculty of Medicine, Tabriz University of Medical Sciences

EDUCATIONAL BACKGROUND

- 1- B.Sc. (2011) – Biology (University of Tabriz, Faculty Of Nature Sciences , Tabriz, Iran)
- 2- M.Sc.(2014) - Immunology (Tehran University of Medical Sciences, School of Medicine , Tehran, Iran)
- 3- Ph.D. (2015-2019) - Immunology (Tabriz University of Medical Sciences, School of Medicine, Tabriz , Iran)

EDUCATIONAL INFORMATION

1. Ranking the 2th in M.Sc entrance exam (Tarbiat Modarres University) of Medical Immunology (2012).
2. M.Sc. Thesis title : **The effect of vitamin D3 on TLR2 expression in monocytes of patients with type II diabetes.**
3. Ph.D Thesis title: **The effects of oral nanocurcumin on expression levels of microRNAs and development factors of Treg cells and Th17 cells in Multiple Sclerosis patients** (Ph.D graduation score (20 out of 20)) .

Awards

- 2019; Top student researcher (Ranking the 1th in the research field at Ministry of Health and Medical Education) (Student Research Committee), (Iran)

SCIENTIFIC WORK

- Executive Editor in Aging Research Institute Newsletter, 2018- ongoing
- Editorial Board member for CPQ Medicine journal, 2018- ongoing
- Reviewer for 4 journals [**Journal of Cellular Biochemistry (ISI Journal)**], [**Journal of Cellular Physiology (ISI Journal)**], [**Journal of Nanoparticle Research (ISI Journal)**], and **International Journal of Biomedicine and Public Health**.

MEMBER OF ASSOCIATION

- Iranian Society for Immunology and Allergy, 2018-ongoing.

A) Publications:

JOURNAL PAPERS:

- 1- **Sanam Dolati**, Sanam Sadreddini, Davoud Rostamzadeh, Majid Ahmadi, Farhad Jadidi-Niaragh, Mehdi Yousefi. Utilization of nanoparticle technology in rheumatoid arthritis treatment. **Biomedicine & Pharmacotherapy** 80 (2016) 30–41. (ISI, PubMed, Scopus Journal, IF: 3.74).
- 2- Davood Rostamzadeh, Seyed Rasol Razavi, Shadi Esmaili, **Sanam Dolati**, Majid Ahmadi, Sanam Sadreddini, Farhad Jadidi-Niaragh, Mehdi Yousefi. Application of nanoparticle technology in the treatment of Systemic lupus erythematosus. **Biomedicine & Pharmacotherapy** 83 (2016) 1154–1163. (ISI, PubMed, Scopus Journal, IF: 3.74).
- 3- **Sanam Dolati**, Zohreh Babaloo, Farhad Jadidi-Niaragh, Hormoz Ayromlou , Sanam Sadreddini, Mehdi Yousefi. Multiple sclerosis: Therapeutic applications of advancing drug delivery systems. **Biomedicine & Pharmacotherapy** 86 (2017) 343–353. (ISI, PubMed, Scopus Journal, IF: 3.74).
- 4- Majid Ahmadi, Tohid Gharibi, **Sanam Dolati**, Davood Rostamzadeh, Saeed Aslani, Behzad Baradaran, Vahid Younesi, Mehdi Yousefi. Epigenetic modifications and epigenetic based medication implementations of autoimmune diseases. **Biomedicine & Pharmacotherapy** 87 (2017) 596–608. (ISI, PubMed, Scopus Journal, IF: 3.74).
- 5- Vahideh Alinejad, **Sanam Dolati**, Morteza Motallebnezhad, Mehdi Yousefi. The role of IL17B-IL17RB signaling pathway in breast cancer. **Biomedicine & Pharmacotherapy** 88 (2017) 795–803. (ISI, PubMed, Scopus Journal, IF: 3.74).

- 6- Majid Ahmadi, Samaneh Abdolmohammadi-Vahid, Mahnaz Ghaebi, Leili Aghebati-Maleki, **Sanam Dolati**, Laya Farzadi, Aliyeh Ghasemzadeh, Kobra Hamdi, Vahid Younesi, Mohammad Nouri & Mehdi Yousefi. Regulatory T cells improve pregnancy rate in RIF patients after additional IVIG treatment. **Systems Biology in Reproductive Medicine** (2017) 1-10. (ISI, PubMed, Scopus Journal, IF: 1.71).
- 7- Amir Afkham, Leili Aghebati Maleki , Homayoon Siahmansouri, Sanam Sadreddini, Majid Ahmadi, **Sanam Dolati**, Nahid Manafi Afkham, Parvin Akbarzadeh , Farhad Jadidi-Niaragh, Vahid Younesi, Mehdi Yousefi. Chitosan (CMD)-mediated co-delivery of SN38 and Snail-specific siRNA as a useful anticancer approach against prostate cancer. **Pharmacological Reports**. 2017. (ISI, PubMed, Scopus Journal, IF: 2.76).
- 8- Vida Hashemi, **Sanam Dolati**, Arezoo Hosseini, Tohid Gharibi Shahla Danaii, Mehdi Yousefi, Natural killer T cells in Preeclampsia: An updated review. **Biomedicine & Pharmacotherapy**. Volume 95, November 2017, Pages 412-418. (ISI, PubMed, Scopus Journal, IF: 3.74).
- 9- Majid Ahmadi, Sanaz Abbaspour aghdam, Mohammad Nouri, Zohreh Babaloo, Laya Farzadi, Aliye Ghasemzadeh, Kobra Hamdi, Ali Akbar Movassaghpour, Farhad Jadidi-Niaragh, Amir Afkham, Morteza Motalebnezhad, Shadi Eghbal-Fard, **Sanam Dolati**, Vahid Younesi, Mehdi Yousefi. Intravenous immunoglobulin (IVIG) treatment modulates peripheral blood Th17 and regulatory T cells in recurrent miscarriage patients: Non randomized, open-label clinical trial. **Immunology Letters** 192 (2017) 12–19. (ISI, PubMed, Scopus Journal, IF: 2.55).
- 10- **Sanam Dolati**, Leili Aghebati-Maleki, Majid Ahmadi, Faroogh Marofi, Zohreh Babaloo, Hormoz Ayramloo, Zahra Jafarisavari, Hamid Oskouei, Amir Afkham, Vahid Younesi, Mohammad Nouri, Mehdi Yousefi. Nanocurcumin restores aberrant miRNA expression profile in multiple sclerosis, randomized, double-blind, placebo-controlled trial. **Journal of Cellular Physiology**, 2017. (ISI, PubMed, Scopus Journal, IF: 4.52).
- 11- Babak Afkari, Zohreh Babaloo, **Sanam Dolati**, Alireza Khabazi, Farhad Jadidi-Niaragh, Mahsa Talei, Dariush Shanehbandi, Shiva Mahmoudi, Bitahazhirkarzar, Ebrahim Sakhinia Molecular Analysis of Interleukin-10 Gene Polymorphisms in Patients with Behçet's disease. **Immunology letters**. 2017. (ISI, PubMed, Scopus Journal, IF: 2.55).
- 12- **Sanam Dolati**, Majid Ahmadi, Mohammad Khalili, Ali Akabar Taheraghdam, Homayoon Siahmansouri, Zohreh Babaloo, Leili Aghebati-Maleki, Farhad Jadidi-Niaragh, Vahid Younesi, Mehdi Yousefi. Peripheral Th17/Treg imbalance in elderly patients with ischemic stroke . **Neurological Sciences** .2018. (ISI, PubMed, Scopus Journal, IF: 2.48).
- 13- Arezoo Hosseini, **Sanam Dolati**, Vida Hashemi, Meghdad Abdollahpour- Alitappeh, Mehdi Yousefi. Regulatory T and T helper 17 cells: their roles in preeclampsia. **Journal of Cellular Physiology**.2018. (ISI, PubMed, Scopus Journal, IF: 4.52).

- 14- **Sanam Dolati**, Majid Ahmadi, Reza Rikhtegar, Zohreh Babaloo, Hormoz Ayromlou, Leili Aghebati-Maleki, Mohammad Nouri, Mehdi Yousefi. Changes in Th17 cells function after nanocurcumin use to treat multiple sclerosis. **International Immunopharmacology**.2018. (ISI, PubMed, Scopus Journal, IF: 3.36).
- 15- Ali Fotouhi, Arash Maleki, **Sanam Dolati**, Ali Aghebati-Maleki, Leili Aghebati-Maleki. Platelet rich plasma, stromal vascular fraction and autologous conditioned serum in treatment of knee osteoarthritis. **Biomedicine & Pharmacotherapy**.2018. (ISI, PubMed, Scopus Journal, IF: 3.74).
- 16- **Sanam Dolati**, Faroogh Marofi, Zohreh Babaloo, Leili Aghebati-Maleki, Leila Roshangar, Majid Ahmadi, Reza Rikhtegar, Mehdi Yousefi. Dysregulated Network of miRNAs Involved in the Pathogenesis of Multiple Sclerosis. **Biomedicine & Pharmacotherapy**.2018. (ISI, PubMed, Scopus Journal, IF: 3.74).
- 17- **Sanam Dolati**, Mehdi Yousefi, Mahdi Mahdipour, Abbas Afrasiabi Rad , Alireza Pishgahi, Mohammad Nouri, Ahmad Reza Jodati , Mesenchymal stem cell and bone marrow mononuclear cell therapy for cardiomyopathy: From bench to bedside, **Journal of Cellular Biochemistry**,2018. (ISI, PubMed, Scopus Journal, IF: 3.44).
- 18- Davood Rostamzadeh, Mehdi Yousefi , Mohammad Reza Haghshenas, Majid Ahmadi , **Sanam Dolati**, Zohreh Babaloo. mTOR Signaling pathway as a master regulator of memory CD8+ T-cells, Th17, and NK cells development and their functional properties. **Journal of Cellular Physiology**.2019. (ISI, PubMed, Scopus Journal, IF: 4.52).
- 19- Samira Asghari, Amir Valizadeh Dizajeykan, Majid Ahmadi , Abolfazl Barzegari , Reza Rikhtegar , **Sanam Dolati** , Shahla Danaii, Sedigheh Abdollahi-Fard , Mohammad Nouri , Mahdi Mahdipour, Mehdi Yousefi. Evaluation of ovarian cancer risk in granulosa cells treated with steroid-depleted endometriosis serum: Role of NF- κ B/RelA and AKT. **Journal of Cellular Physiology**. 2018. (ISI, PubMed, Scopus Journal, IF: 4.52).
- 20- **Sanam Dolati**, Zohreh Babaloo, Hormoz Ayromlou, Majid Ahmadi, Reza Rikhtegar, Davood Rostamzadeh, Leila Roshangar, Mohammad Nouri, Amir Mehdizadeh, Vahid Younesi, Mehdi Yousefi. Nanocurcumin improves regulatory T-cell frequency and function in patients with multiple sclerosis. **Journal of Neuroimmunology**. 2019 Feb 15;327:15-21. (ISI, PubMed, Scopus Journal, IF: 2.83).
- 21- Leili Aghebati-Maleki, **Sanam Dolati**, Reza Zandi, Ali Fotouhi , Majid Ahmadi , Ali Aghebati, Mohammad Nouri, Seyed Kazem Shakouri, Mehdi Yousefi. Prospect of mesenchymal stem cells in therapy of osteoporosis: A review. **Journal of Cellular Physiology**. 2019. (ISI, PubMed, Scopus Journal, IF: 4.52).
- 22- Mahnaz Ghaebi, Samaneh Abdolmohammadi-Vahid, Majid Ahmadi, Shadi Eghbal-Fard, **Sanam Dolati**, Mohammad Nouri, Mehdi Talebi, Kobra Hamdi, FarooghMarofi, Leili Aghebati-Maleki, Farhad Jadidi Niaragh, Masoume Dopour, Mehdi Yousefi. T cell Subsets in Peripheral Blood of Women with Recurrent Implantation Failure. **Journal of**

Reproductive Immunology. 2019 Feb;131:21-29. (ISI, PubMed, Scopus Journal, IF: 2.65).

- 23- Majid Ahmadi, Mehdi Yousefi , Sanaz Abbaspour-Aghdam , **Sanam Dolati** , Leili Aghebati-Maleki, Shadi Eghbal-Fard , Alireza Khabbazi , Davood Rostamzadeh, Shahriar Alipour, Mahdi Shabani, Mohammad Nouri , Zohreh Babaloo. Disturbed Th17/Treg balance, cytokines, and miRNAs in peripheral blood of patients with Behcet's disease. **Journal of Cellular Physiology**. 2019 Apr;234(4):3985-3994. (ISI, PubMed, Scopus Journal, IF: 4.52).
- 24- Shadi Eghbal-Fard, Mehdi Yousefi, Hanieh Heydarlou , Majid Ahmadi, Simin Taghavi , Aliakbar Movasaghpour, Farhad Jadidi-Niaragh, Bahman Yousefi, **Sanam Dolati**, Mohammad Hojjat-Farsangi, Reza Rikhtegar , Mohammad Nouri , Leili Aghebati-Maleki. The imbalance of Th17/Treg axis involved in the pathogenesis of preeclampsia. **Journal of Cellular Physiology**. 2019 Apr;234(4):5106-5116. (ISI, PubMed, Scopus Journal, IF: 4.52).
- 25- Hanieh Heydarlou , Shadi Eghbal-Fard , Majid Ahmadi, Leili Aghebati-Maleki , **Sanam Dolati**, Ali Akbar Movasaghpour, Farhad Jadidi-Niaragh , Shahla Danaei , Farzaneh Mahmoudilafout, Mehdi Talebi, Shahrzad Rahimifar, Mehdi Yousefi Investigation of follicular helper T cells, as a novel player, in preeclampsia. **Journal of Cellular Biochemistry**. 2019 Mar;120(3):3845-3852. (ISI, PubMed, Scopus Journal, IF: 3.44).
- 26- Reza Rikhtegar, Masoud Pezeshkian, **Sanam Dolati**, Naser Safaie, Abbas Afrasiabi Rad, Mahdi Mahdipour, Mohammad Nouri, Ahmad Reza Jodati, Mehdi Yousefi. Stem cells as therapy for heart disease: iPSCs, ESCs, CSCs, and skeletal myoblasts. **Biomedicine & Pharmacotherapy**. 2019 Jan;109:304-313. (ISI, PubMed, Scopus Journal, IF: 3.74).
- 27- **Sanam Dolati**, Majid Ahmadi, Leili Aghebati Maleki, Abbas Nikmaram, Faroogh Marofi, Reza Rikhtegar, Hormoz Ayromlou, Mehdi Yousefi. Nanocurcumin is a potential novel therapy for multiple sclerosis by influencing inflammatory mediators. **Pharmacological Reports**. 2018 Dec;70(6):1158-1167. (ISI, PubMed, Scopus Journal, IF: 2.76).
- 28- Sara Jafarzadeh, Majid Ahmadi, **Sanam Dolati**, Leili Aghebati-Maleki, Shadi Eghbal-Fard , Amin Kamrani, Behboud Behrad , Leila Roshangar, Farhad Jadidi-Niaragh, Bahman Yousefi , Mahdi Mehdipour , Laya Farzadi , Mehdi Yousefi. Intravenous immunoglobulin G treatment increases live birth rate in women with recurrent miscarriage and modulates regulatory and exhausted regulatory T cells frequency and function. **Journal of Cellular Biochemistry**. 2019 Apr;120(4):5424-5434. (ISI, PubMed, Scopus Journal, IF: 3.44).
- 29- Majid Ahmadi , Mahnaz Ghaebi , Samaneh Abdolmohammadi-Vahid, Sanaz Abbaspour-Aghdam, Kobra Hamdi , Sedigheh Abdollahi-Fard, Shahla Danaii , Parisa Mosapour, Ladan Koushaeian, **Sanam Dolati** , Reza Rikhtegar, Farnaz Dabiri Oskouei , Leili Aghebati-Maleki , Mohammad Nouri, Mehdi Yousefi. NK cell frequency and

- cytotoxicity in correlation to pregnancy outcome and response to IVIG therapy among women with recurrent pregnancy loss. **Journal of Cellular Physiology**. 2019 Jun;234(6):9428-9437. (ISI, PubMed, Scopus Journal, IF: 4.52).
- 30- Reza Rikhtegar, Mehdi Yousefi, **Sanam Dolati**, Kasmaei Hossein, Charsouei Saeed, Nouri Mohammad, Seyed Kazem Shakouri. Stem cell-based cell therapy for neuroprotection in stroke: A review. **Journal of Cellular Biochemistry**. (ISI, PubMed, Scopus Journal, IF: 3.44).
- 31- Majid Ahmadi, Mehrzad Hajjalilo, **Sanam Dolati**, Shadi Eghbal-Fard, Hanieh Heydarlou, Mahnaz Ghaebi, Arezou Ghassembaglou, Leili Aghebati-Maleki, Hossein Samadi Kafil, Amin Kamrani, Badrossadat Rahnama, Reza Rikhtegar, Mehdi Yousefi. The effects of nanocurcumin on Treg cell responses and treatment of ankylosing spondylitis patients: A randomized, double-blind, placebo-controlled clinical trial. **Journal of Cellular Biochemistry**. 2019 May 9. (ISI, PubMed, Scopus Journal, IF: 3.44).
- 32- Mehrzad Hajjalilo, **Sanam Dolati**, Samaneh Abdolmohammadi-Vahid, Majid Ahmadi, Amin Kamrani, Shadi Eghbal-Fard, Arezou Ghassembaglou, Amir Valizadeh, Mohammad Hossein Musavi Shenasi, Leili Aghebati-Maleki, Hossein Samadi Kafil, Amir Mehdizadeh, Mehdi Yousefi. Nanocurcumin: A novel strategy in treating ankylosing spondylitis by modulating Th17 cells frequency and function. **Journal of Cellular Biochemistry** 2019. (ISI, PubMed, Scopus Journal, IF: 3.44).
- 33- Ramyar Azizi, Majid Ahmadi, Shahla Danaii, Sedigheh Abdollahi-Fard, Parisa Mosapour, Shadi Eghbal-Fard, **Sanam Dolati**, Amin Kamrani, Badrossadat Rahnama, Amir Mehdizadeh, Farhad Jadidi-Niaragh, Bahman Yousefi, Mehdi Yousefi. Cyclosporine A improves pregnancy outcomes in women with recurrent pregnancy loss and elevated Th1/Th2 ratio. **Journal of Cellular Physiology**. 2019. (ISI, PubMed, Scopus Journal, IF: 4.52).
- 34- Forough Chakari-Khiavi, **Sanam Dolati**, Aref Chakari-Khiavi, Hossein Abbaszadeh, Leili Aghebati-Maleki, Tannaz Pournazeri, Amir Mehdizadeh, Mehdi Yousefi, Prospects for the application of mesenchymal stem cells in Alzheimer's disease treatment. **Life Sciences** 231 (2019) 116564. (ISI, PubMed, Scopus Journal, IF: 3.44). *Forough Chakari-Khiavi and Sanam Dolati contributed equally to this manuscript.
- 35- Majid Ahmadi, Samaneh Abdolmohammadi-vahid, Mahnaz Ghaebi, **Sanam Dolati**, Sanaz Abbaspour-Aghdam, Shahla Danaii, Katayoun Berjis, Rahime Madadi-Javid, Zahra Nouri, Homayoon Siahmansouri, Zohreh Babaloo, Mohammad Nouri, Mehdi Yousefi. Sirolimus as a new drug to treat RIF patients with elevated Th17/Treg ratio: A double-blind, phase II randomized clinical trial. **International Immunopharmacology**.2019. (ISI, PubMed, Scopus Journal, IF: 3.36).

- 36- **Sanam Dolati**, Reza Rikhtegar, Amir Mehdizadeh, Mehdi Yousefi. The Role of Magnesium in Pathophysiology and Migraine Treatment. **Biological Trace Element Research**.2019. (ISI, PubMed, Scopus Journal, IF: 2.43).
- 37- Ramin Pourakbari, Mohammad Hossein Mousavi shenas, Amin Kamrani, **Sanam Dolati**, Hossein Abbaszadeh, Majid Zamani, Yoda Yaghoubi, Shahriar Hashemzadeh, Majid Ahmadi, Mohammad Hojjat-Farsangi, Amir Mehdizadeh, Mehdi Yousefi. Identification of genes and miRNAs associated with angiogenesis, metastasis, and apoptosis in colorectal cancer. **Gene Reports**. Volume 18, March 2020, 100552. (ISI, Scopus Journal).
- 38- SH Danaii, S Shiri, **S Dolati**, M Ahmadi, L Ghahremani-Nasab , A Amiri , A Kamrani , H Samadi Kafil , F Chakari-Khiavi , M Hojjat-Farsangi , A Malek Mahdavi, A Mehdizadeh. The Association between Inflammatory Cytokines and miRNAs with Slow Coronary Flow Phenomenon. **Iranian Journal of Allergy, Asthma and Immunology**. (ISI, PubMed, Scopus Journal, IF: 1.10).
- 39- Eisa Salehi, Nasrin Hedayati , **Sanam Dolati** , Reza Mirzaei , Afshin Namdar , Mohammad Vojgani The immunomodulatory effect 1,25 (OH)₂ D₃ on TLR 2 and TLR4 expression on monocytes of patients with type II diabetes mellitus. **Archives of Medical Laboratory Sciences** 2015; 1(1) 18-22.
- 40- **Sanam Dolati**. Immunopathogenesis of Autoimmune Diseases, **CPQ Medicine** 2 (3).

h-index (Scopus): 12

h-index (Google Scholar): 14

i10-index: 22

B) Presentation in Congresses:

- 1- **Sanam Dolati** , Mohammad Vojgani; **Toll-like receptor 2 role in diabetic nephropathy. 6th International Congress of Clinical Laboratory and Clinic– 12-14 February 2014 – Tehran , Iran .**
- 2- Atiye Mellati, **Sanam Dolati**, Mehdi Yousefi. **Changes in Th17 cells frequency and function after Nanocurcumin therapy in ankylosing spondylitis patients. 14th International Congress of Immunology & Allergy. 26-28 April 2018. Tehran-Iran.**
- 3- **Sanam Dolati** , Mehdi Yousefi. **Nanocurcumin Improves Imbalance of Th17/Treg cells in Patients with Multiple Sclerosis. 14th International Congress of Immunology & Allergy. 26-28 April 2018. Tehran-Iran.**
- 4- Farzaneh Ghorbani, **Sanam Dolati** , Mehdi Yousefi. **Frequency and function of regulatory T cells in elderly patients with ischemic stroke. 14th International Congress of Immunology & Allergy. 26-28 April 2018. Tehran-Iran.**
- 5- Rozita Abolhasan , **Sanam Dolati** , Mehdi Yusefi. **Nanocurcumin Influences**

Regulatory T cell Responses in Ankylosing Spondylitis. 14th International Congress of Immunology & Allergy. 26-28 April 2018. Tehran-Iran.

- 6- Farnaz Hajizadeh, Sanam Dolati, Mehdi Yousefi. **Dysregulation of peripheral Th17 cells in elderly patients with ischemic stroke. 14th International Congress of Immunology & Allergy. 26-28 April 2018. Tehran-Iran.**
- 7- Yousef Daneshmand pour , Sanam Dolati, Mehdi Yousefi. **Nanocurcumin Impacts on Aberrant T cells Related MicroRNAs Profile Expression in Ankylosin Spondylitis Patients. 14th International Congress of Immunology & Allergy. 26-28 April 2018. Tehran-Iran.**
- 8- Ahmadi M, Dolati S, Nouri M, Babaloo Z, Farzadi L, Yousefi M. **Intravenous immunoglobulin (IVIG) modulates regulatory T cells and improves live birth rate in women with recurrent spontaneous abortion. 7th Yazd International Congress and Student Award in Reproductive Medicine with 2nd Congress of Reproductive Genetics and Congress of Reproductive Immunology. 28-30 April 2017. Yazd –Iran.**
- 9- Eghbal-Fard S, Ahmadi M, Dolati S, Nouri M, Babaloo Z, Farzadi L, Jadidi Niaragh F, Yousefi M. **Intravenous immunoglobulin (IVIG) modulates Th17 cells and improves live birth rate in patients with recurrent spontaneous abortion. 7th Yazd International Congress and Student Award in Reproductive Medicine with 2nd Congress of Reproductive Genetics and Congress of Reproductive Immunology. 28-30 April 2017. Yazd –Iran.**
- 10- Sanam Dolati. **Nanocurcumin is a potential novel therapy for multiple sclerosis by influencing inflammatory mediators. 26 th International Congress Of Neurology And Clinical Electrophysiology Of Iran. 30 April- 3 May 2019, Tehran, Iran.**
- 11- Sanam Dolati. **Nanocurcumin Decreases Pro-Inflammatory miRNAs Expression Profile in Multiple Sclerosis. The Third International Neuroinflammation Congress & Student Festival of Neuroscience. 11-13 June 2019. Mashhad, Iran**
- 12- Sanam Dolati. **Prospects for the Application of Mesenchymal Stem Cells in Alzheimer’s Disease Treatment. The Third International Neuroinflammation Congress & Student Festival of Neuroscience. 11-13 June 2019. Mashhad, Iran**

C) PROFESSIONAL EXPERIENCES

- Immunological techniques: such as MTT, western blotting, ELISA.
- *Immunofluorescence* and Flow cytometry.
- Standard molecular biology techniques including: DNA and RNA extraction, PCR, Real Time PCR, gene Silencing by siRNA, microRNA
- Microbiology techniques including: culture of bacteria

- Animal cell culture technology including Isolation and culture of primary cells, cell line culture, Passage

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D) Teaching experience

Immunology, Faculty of Medicine, Tabriz University of Medical Sciences, Tabriz, Iran. (For MSc Microbiology and Biochemistry students, and Nurse Students,.....).

E) Projects:

1. The effects of oral Nanocurcumin on expression levels of microRNAs and development factors of Treg cells and Th17 cells in Multiple Sclerosis patients
2. Effect of Rapamycin on the Frequency of T reg and Th17 Cells, Expression of miRNA-233, miRNA-1229 in Peripheral Blood Mononuclear Cells and Pregnancy Rate of Patients with Recurrent Implantation Failure with Immunological Causes.
3. The effects of T-cell derived exosomes obtained from osteoporotic patients and healthy individuals on osteoblastic function and gene expression profile.
4. The effects of T-cell derived secretory vesicles obtained from senile osteoporotic patients and healthy individuals on stem cell-derived osteoclastic function.
5. Effects of oral nanocurcumin on disease activity and Treg cells frequency and related factors in Behçet's patients: Randomized Clinical Trial
6. Effect of oral nanocurcumin on disease activity, expression levels of microRNA and Th17 cells development factors and serum IL-17 and IL-23 level in Behçet's patients
7. Evaluation of role of opioids for pain management in the geriatric patients with chronic renal failure: Systematic Review
8. The effects of platelet lysate therapy on chronic knee osteoarthritis
9. Comparison of immune cells and factors in pre-eclampsia patients and healthy women and evaluation of Th17 cell inhibition in treatment of the disease.
10. Evaluation of frequency and cytokines analysis of Breg and IFN- γ producing B cells) in in pre-eclampsia patients compared to normal pregnant patients
11. Effects of Anti-CD20 monoclonal antibody in elderly patients with ischemic stroke
12. Frequency and development factors analysis of B cells subsets (Breg, memory B cells, IFN- γ producing B cells) in Recurrent Implantation Failure (RIF) patients
13. Investigation of frequency and developmental genes of B cell subsets in recurrent pregnancy loss (RPL) patients compared with healthy women

14. The role of Th17 cells in the pathogenesis of human membranous nephropathy

15. Evaluation of expression of genes affecting metastases, angiogenesis, anti-apoptosis and miRNAs in tumor and marginal colon specimens in patients with colon cancer

16. Evaluation of Frequency and Function of Th17 and Regulatory T Cells in Behcet Patients and Comparison with Normal People in Azerbaijan

17. The effects of oral nanocurcumin on expression levels of microRNA and Treg cells development factors in ankylosing spondylitis patients

18. Evaluation of inflammatory factors and lipid profiles levels and expression of miRNAs in slow coronary flow patients

19. Evaluation of TH17 and Treg frequency and development factors in pre-eclampsia patients compared to normal pregnant women

20. Combination therapy of Atorvastatin and Q10 and BM-MNCs in mitochondrial stress oxidative homeostasis in the success of cell therapy in ischemic heart model

21. Evaluation of regulatory T cells and exhausted regulatory T cells frequency and associated epigenetic factors in RPL patients

22. Evaluation of the frequency of Treg and exhausted Treg cells and associated miRNAs in peripheral blood of women with recurrent implantation failure (RIF)

23. Investigation of the expression of angiogenesis related genes in the tumor and spleen of mice treated with the CD73-specific siRNA-loaded nanoparticles

24. Investigation of the effect of the CD73-specific siRNA-loaded nanoparticles on the tumor microenvironment in the breast cancer murine model

25. The effects of oral nanocurcumin on expression levels of microRNAs in immune cells development in multiple sclerosis patients.

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F) AREAS of RESEARCH INTEREST

- Autoimmunity Diseases
- Inflammatory Diseases
- Aging related Diseases (Alzheimer Disease, Parkinson's Disease..)
- Rheumatic diseases (Ankylosing Spondylitis, Rheumatoid Arthritis...)
- Neurosciences
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