**CURRICULUM VITAE**

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**Name**: Nazanin Mojtabavi

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**Education:**

2020 MBA Sharif University of technology Tehran Iran

2003 PhD in Immunology Vienna Austria

1997 MSC in Genetics Vienna Austria

**Professional Employment:**

Faculty member of Immunology department Iran University of medical Sciences

(Science 2009)

Research Deputy of immunology department (2016-2021)

Research Secretary from School of medicine (2018-2023)

Member of Research committee from School of medicine (2016-2023)

Member of Ethics Committee from medical faculty (Since 2017)

Deputy of execution From Immunology Research Center (2009-2013)

Lecturer in Physiology & Biology for biomedical engineering students Amirkabir University international department (2005-2006)

Faculty member of Genetic Research Center (GRC), University of Social welfare and Rehabilitation

2004-2005

Researcher in Division of Immunology, Allergy and Infection Diseases Department of Dermatology DIAID Vienna International Research Center VIRCC, Austria 1997-2003

Genetics tutor in the department of plant Genetics, Institute of Microbiology and Genetics University of Vienna Austria 1995-1997

**Running projects**

* **Evaluation of the effects of M1 macrophages-derived exosomes containing SIRPα siRNA on polarization and anti-tumor properties of macrophages**
* **Evaluation of the anti-tumor effect of injectable hydrogel containing gemcitabine administration on tumor site of mouse breast cancer model**
* **Study the impact of comorbidity disorders on the inflammatory biomarkers, and the leukocytes population in COVID-19 related outcomes of the acute SARS-COV 2 pneumonia patients**
* Scrutinizing the PI3K/Akt pathway of TGF-β signaling in a mouse model of pulmonary fibrosis treated with iPS cells
* **Evaluation of TGF-β, CTGF, PDK1 and mTOR, the factors involved in fibrosis, in a mouse model of pulmonary fibrosis treated with iPS cells**
* **Investigation of the immunomulatory factors IL-10, IGF-1, IGF-2 and IGFBP4 in the supernatant of induced pluripotent stem cells**
* **Investigation of the effect of Induced Pluripotent Stem cells on the expression of insulin like growth factor and the downstream kinase of its receptor (PI3K) in a mouse model of pulmonary fibrosis**
* **Scrutiny the expression pattern of MEG3 lncRNA in whole blood of scleroderma patients**
* **Investigation the expression of miRNA138 in whole blood of Scleroderma patient in comparison with healthy people**
* **Scrutiny the expression pattern of miR-487b and miR-199a in whole blood of systemic sclerosis patients**
* **Scrutiny the expression level of mir27 a in whole blood of systemic sclerosis patients**

Research area:

Induction of pluripotent stem cells

Fibrosis

Immunology of autoimmune diseases

Scleroderma

Allergic asthma

Oncology

**Publications**

1. Cancer Immunotherapy Using Bioengineered Micro/Nano Structured Hydrogels
2. E Askari, MS Barough, M Rahmanian, N Mojtabavi, RS Forooshani, ...

Advanced Healthcare Materials, 2301174

1. Insights into Overlappings of Fibrosis and Cancer: Exploring the Tumor-related Cardinal Genes in Idiopathic Pulmonary Fibrosis Marjan Taherian, Paria Bayati, Mohammad-Ali Assarehzadegan, Mansoureh Soleimani, Hadi Poormoghim, **Nazanin Mojtabavi** Iranian journal of asthma allergy and immunology2023
2. Plumbagin attenuates Bleomycin-induced lung fibrosis in mice  
   S Mehdizadeh, M Taherian, P Bayati, K Mousavizadeh, S Pashangzadeh, ...

Allergy, Asthma & Clinical Immunology 18 (1), 93

1. MiR-27a as a diagnostic biomarker and potential therapeutic target in systemic sclerosis

P Bayati, M Kalantari, MA Assarehzadegan, H Poormoghim, N Mojtabavi

Scientific Reports 12 (1), 18932

1. Aberrant expression of miR-138 as a novel diagnostic biomarker in systemic sclerosis

P Bayati, H Poormoghim, N Mojtabavi

Biomarker Insights 17, 11772719221135442

1. Induced pluripotent stem-cells inhibit experimental bleomycin –induced pulmonary fibrosis through regulation of the insulin –like growth factor signaling Paria Bayatee, Mrjan Taherian Mohammad Assarehzadegan, Hadi Poormoghim and **Nazanin Mojtabavi**
2. Circulating CTRP5 in rheumatoid arthritis: an exploratory biomarker study [Marjan Taherian](https://bmcrheumatol.biomedcentral.com/articles/10.1186/s41927-022-00254-2#auth-Marjan-Taherian), [Simin Almasi](https://bmcrheumatol.biomedcentral.com/articles/10.1186/s41927-022-00254-2" \l "auth-Simin-Almasi), [Saber Mehdizadeh](https://bmcrheumatol.biomedcentral.com/articles/10.1186/s41927-022-00254-2#auth-Saber-Mehdizadeh), [Banafshe Fazeli](https://bmcrheumatol.biomedcentral.com/articles/10.1186/s41927-022-00254-2" \l "auth-Banafshe-Fazeli), [Mahsa Kalantari](https://bmcrheumatol.biomedcentral.com/articles/10.1186/s41927-022-00254-2" \l "auth-Mahsa-Kalantari), [Paria Bayati](https://bmcrheumatol.biomedcentral.com/articles/10.1186/s41927-022-00254-2" \l "auth-Paria-Bayati),[Salar Pashangzadeh](https://bmcrheumatol.biomedcentral.com/articles/10.1186/s41927-022-00254-2#auth-Salar-Pashangzadeh) & **Nazanin Mojtabavi**  [*BMC Rheumatology*](https://bmcrheumatol.biomedcentral.com/) volume 6, Article number: 25 (2022)
3. C1q/TNF-related protein-1: Potential biomarker for early diagnosis of autism spectrum disorder Hamed Raeisy, Paria Bayati , Farshid Noorbakhsh, Mitra Hakim Shooshtari , Mehrdad Eftekhar Ardebili , Mehdi Shekarabi and **Nazanin Mojtabavi** Immunopharmacology2022
4. Methanolic extract of Sambucus ebulus ameliorates clinical symptoms in experimental type 1 diabetes through anti-inflammatory and immunomodulatory action. Hamid Aghajanzadeh, Mohsen Abdolmaleki, Mohammad Ali Ebrahimzadeh, **Nazanin Mojtabavi**, Tahereh Mousavi, Maryam Izad,. Cell Journal (Yakhteh) "Volume 23, Number 4, Jan-Mar(Winter) 2022, Serial number:92

11 ) The potential targets in immunotherapy of atherosclerosis

[Azin Aghamajidi](https://pubmed.ncbi.nlm.nih.gov/?term=Aghamajidi+A&cauthor_id=34779341), [Melika Gorgani](https://pubmed.ncbi.nlm.nih.gov/?term=Gorgani+M&cauthor_id=34779341), [Faezeh Shahba](https://pubmed.ncbi.nlm.nih.gov/?term=Shahba+F&cauthor_id=34779341)[1](https://pubmed.ncbi.nlm.nih.gov/34779341/#affiliation-1), [Zahra Shafaghat](https://pubmed.ncbi.nlm.nih.gov/?term=Shafaghat+Z&cauthor_id=34779341), [**Nazanin Mojtabav**](https://pubmed.ncbi.nlm.nih.gov/?term=Mojtabavi+N&cauthor_id=34779341)**i** Int Rev immunol 2021Nov 14:1-18

1. Progesterone aggravate lung fibrosis in a mouse model of systemic sclerosis Fatemeh Vafashoar, Kazem Mousavizadeh, Hadi Poormoghim, **Nazanin Mojtabavi** Front. Immunol, 29 November 2021 |
2. [Implications the Role of miR-155 in the Pathogenesis of Autoimmune Diseases](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=SH79LWgAAAAJ&citation_for_view=SH79LWgAAAAJ:L7CI7m0gUJcC) S Pashangzadeh, M Motallebnezhad, F Vafashoar, A Khalvandi, .**Nazanin Mojtabavi** Frontiers in Immunology, 1645
3. Progesterone decreased cell filtration in airways of systemic sclerosis mice model. Fatemeh Vafashoar, Kazem Mousavizadeh, Hadi Poormoghim, Pendar Safari, Amir Haghighi, and **Nazanin Mojtabavi** International journal of regenerative medicine Aug 2020 jRGM.2020.01.06
4. ) [Gelatinases Increase in Bleomycin-induced Systemic Sclerosis Mouse Model.](https://www.ncbi.nlm.nih.gov/pubmed/31066254) Vafashoar F, Mousavizadeh K, Poormoghim H, Tavasoli A, Musavi Shabestari T, Javadmoosavi SA, **Mojtabavi N**. Iran J Allergy Asthma Immunol. 2019 Apr 1;18(2):182-189
5. [The Role of Progesterone in Cellular Apoptosis of Skin and Lung in a Bleomycin-injured Mouse Model.](https://www.ncbi.nlm.nih.gov/pubmed/30848578) Vafashoar F, Poormoghim H, Mousavizadeh K, Mousavi Shabestari T, Tavasoli A, Javadmoosavi SA, **Mojtabavi N**. Iran J Allergy Asthma Immunol. 2019 Feb;18(1):100-107
6. The Effect of Dexamethasone on Bleomycin-Induced Lung Fibrosis in the Mouse Model of Systemic Sclerosis Salar Pashangzadeh1, Marjan Taherian, Fatemeh Vafashoar, Ali Anisian, Kazem Mousavizadeh, Hadi Poormoghim, **Nazanin Mojtabavi**
7. [Effect of Progesterone on Expression of MMP7 and MMP13 in Lungs of Female Mice.](https://www.ncbi.nlm.nih.gov/pubmed/30518190) Izadi E, Vafashoar F, Jorbozedar P, Safari P, Assarehzadegan MA, Poormoghim H, Kuhpayezadeh J, **Mojtabavi N**.

Iran J Allergy Asthma Immunol. 2018 Oct 20;17(5):485-489

1. Scrutinizing the Expression and Blockade of Inhibitory Molecules Expressed on T Cells from Acute Myeloid Leukemia Patients.Abdolmaleki M**, Mojtabavi N**, Zavvar M, Vaezi M, Noorbakhsh F, Nicknam MH.Iran J Allergy Asthma Immunol. 2018 Jun;17(3):265-273
2. Generation and Characterization of Siglec-F-Specific Monoclonal Antibodies. Shahmohammadi-Farid S, Ghods R, Jeddi-Tehrani M, Bayat AA, **Mojtabavi N**, Razavi A, Zarnani AH. Iran J Allergy Asthma Immunol. 2017 Dec;16(6):460-470
3. [Interleukin-6 participation in pathology of ocular diseases.](https://www.ncbi.nlm.nih.gov/pubmed/28629694)Zahir-Jouzdani F, Atyabi F, **Mojtabavi N** Pathophysiology. 2017 Sep;24(3):123-131
4. ) [Development of a Time and Cost Benefit Antibody Binding Test-Based Method for Determination of Rabies Vaccine Potency.](https://www.ncbi.nlm.nih.gov/pubmed/28118120)Asgary V, **Mojtabavi N**, Janani A, Mousavi T, Hadjati J, Khosravy MS, Ahangari Cohan R.Viral Immunol. 2017 Apr;30(3):204-209

# Survival and causes of death in systemic sclerosis patients: a single center registry report from Iran.Poormoghim H, Andalibi E, Jalali A, Ghaderi A, Ghorbannia A, Mojtabavi N Rheumatol Int 2016

1. Improved Efficacy of a Dendritic Cell-Based Vaccine against a Murine Model of Colon Cancer: The Helper Protein Effect. Zarnani AH, Torabi Rahvar M, Bozorgmenhr M, Zareie M **Mojtabavi N** . Current research Treatment 2015
2. Expression of EMSY, a Novel BRCA2-link Protein, is Associated with Lymph [Node Metastasis and Increased Tumor Size in Breast Carcinomas.](http://www.ncbi.nlm.nih.gov/pubmed/24641409) Madjd Z, Akbari ME, Zarnani AH, Khayamzadeh M, Kalantari E, **Mojtabavi N**. Asian Pac J Cancer Prev. 2014;15(4):1783-9
3. [Accurate sensitivity of quantum dots for detection of HER2 expression in breast cancer cells and tissues.](http://www.ncbi.nlm.nih.gov/pubmed/23212129) Tabatabaei-Panah AS, Jeddi-Tehrani M, Ghods R, Akhondi MM, **Mojtabavi N**, Mahmoudi AR, Mirzadegan E, Shojaeian S, Zarnani AH. J Fluoresc. 2013 Mar; 23(2):293-302. doi: 10.1007/s10895-012-1147-9
4. ) Long lived Th2 memory in experimental allergic asthma ; Journal of Immunology **Mojtabavi N,** Dekan G, Stingl G Epstein MM:2002 169: 4788-4796

**Books**

[Immunomodulatory effects of parasites on autoimmunity](https://scholar.google.com/citations?view_op=view_citation&hl=en&user=SH79LWgAAAAJ&citation_for_view=SH79LWgAAAAJ:TIZ-Mc8IlK0C)

A Abdoli, A Badirzadeh, N Mojtabavi, A Meamar, R Falak

Translational Autoimmunity, 2021, 395-424

Immunodiagnosis- Laboratory Manuals 2016

**Congresses:**

17th International congress of allergy and immunology2023

16 th International congress of allergy and immunology

15th International congress of allergy and immunology 2021

14th International congress of allergy and immunology 2020

ICIA 2018 Tehran Iran Tehran Iran

Second international congress of personalized medicine January 2018 Tehran Iran

13th International congress of allergy and immunology 2016 Tabriz Iran

12th International congress of allergy and immunology 2014 Tehran Iran

11th International congress of allergy and immunology 2012 Tehran Iran

10th International congress of allergy and immunology 2009 Tehran Iran

American society of dermatology and allergology, Washington DC USA may 2002

ÖGAI (Austrian society of allergology & immunology) MAK Vienna Austria November 2001

28. Jahrestagung der arbeitsgemeinschaft Dermatologische Forschung (ADF) 15-17 February 2001

ÖGAI (Austrian society of allergology & immunology) Novartis Research institute Vienna Austria November 2000

Transgenic Mice Innsbruck Austria Jun 2000

ÖGAI (Austrian society of allergology & immunology) AKH Vienna Austria October 1999

10th International congress of immunology New Delhi November 1998

5th international congress of langerhans cells September 1997 Fushel Austria

**Award**

Best speaker in 10th International Congress of allergy and immunology May2009

**Memberships:**

ÖGAI (Österichische Geselschaft Allergie und Immunologie)

Iranian Society for Immunology & Allergy

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**Languages**

Persian

German

English

Italian