Curriculum Vitae

Saeed Mohammadi

PhD, Department of Molecular Medicine, Golestan University of Medical Sciences, Gorgan, Iran

Personal Information

Date of Birth: 24/03/1986
Place of Birth: Mashhad, Khorasan Razavi, Iran
Marital Status: Single

Contact Information

Address: Gorganjadid 20,4913884457, Gorgan, Golestan, Iran
E-mail: *saeed.mohammadi6578@yahoo.com*
Mobile: +98915508710
Skype ID: saaed.mohammadi
Webpage: *https://www.researchgate.net/profile/Saeed_Mohammadi8*
Scopus Author ID: 56799979200

Education

March 2013 – Sep 2017	**Golestan University of Medical Sciences** PhD, Molecular Medicine Gorgan, Iran
Oct 2011 – Feb 2013	**Zahedan University of Medical Sciences** MSc, Biological Sciences-Medical Parasitology Zahedan, Iran
Jul 2004 – Jul 2008	**Mashhad University of Medical Sciences** BSc, Laboratory Medicine Mashhad, Iran

Thesis

BSc: Prevalence of Mycobacterium tuberculosis in the samples referred to the tuberculosis research laboratory in Mashhad Ghaem Hospital
MSc: Allelic Forms of Merozoite Surface Protein-3 in Plasmodium falciparum Isolates from Southeast of Iran **(Grade: 20)**
PhD: In vitro Evaluation of Immunoregulatory Responses in Macrophages of Systemic Lupus Erythmatosous Patients Followed by Aryl Hydrocarbon Receptor Transcription Factor Activation **(Grade: 19.81)**

Skills & Activities

Skills	***PCR-based Methods*** including Standard PCR and Real Time RT-PCR (Application and Analysis) ***Flowcytometry (Application and Analysis)*** ***Cell Culture Methods*** ***Small Animal Handling*** ***In Vitro Fertilization (in small Animals)*** ***Molecular Biology (Routine Methods)*** ***Immunohistochemistry*** ***Practical Bioinformatics Methods*** ***ELISA, IFA, ICC and Western blotting*** ***Histopathologic Methods*** ***Molecular Cloning*** ***Scientific Writing***
Languages	***Persian*** *(Native)* ***English*** (*Advanced*) ***French*** (*Intermediate*) ***Turkish*** (*Intermediate*)
Research Interests	Macrophages, Innate Immunity, Adaptive Immunity, Autoimmune Disorders, Hematologic Malignancies, Cancer Biology
Scientific Position	***Editor-in-Chief***, Hakim Seyed Esmaeil Jorjani Journal of Research in Medical Sciences, Golestan University of Medical Sciences (*2014-2016*) ***Manager of Workshops,*** Students Research Committee, Golestan University of Medical Sciences (*2014-2016*) ***Laboratory Supervisor,*** Tohid Medical Laboratory , Mashhad, Iran (2008-2011)
Hobbies	***Basketball and cycling*** ***Camping and mount climbing*** ***Reading science fiction novels***

Awards & Grants

March 2013	Award: Premier Student among Medical Parasitology Students in Zahedan University of Medical Sciences (GPA: 19.8)

Oct 2014	Award: Premier Researcher in Golestan University of Medical Sciences
Oct 2016	Award: Premier Researcher in Golestan University of Medical Sciences

Journal Publications

Saeed Mohammadi, Fakhri Sadat Seyedhoseini, Nasser Behnampour, and Yaghoub Yazdani: "*Indole-3-carbinol induces G1 cell cycle arrest and apoptosis through aryl hydrocarbon receptor in THP-1 monocytic cell line*." Journal of Receptors and Signal Transduction (2017); 37 (5). DOI: 10.1080/10799893.2017.1360351. **(IF: 1.614)**
Saeed Mohammadi, Mohammad Reza Ebadpour, Sima Sedighi, Mohsen Saeedi, and Ali Memarian. *"Glucocorticoid-induced leucine zipper expression is associated with response to treatment and immunoregulation in systemic lupus erythematosus."* Clinical Rheumatology (2017): 1-8, DOI: 10.1007/s10067-017-3711-9. **(IF: 2.365)**
Saeed Mohammadi, Fakhri Sadat Seyedhoseini, Jahanbakhsh Asadi, Yaghoub Yazdani: *Effects of berberine on the secretion of cytokines and expression of genes involved in cell cycle regulation in THP-1 monocytic cell line.* Iranian Journal of Basic Medical Sciences. May 2017; 20 (5): 530-537. DOI: 10.22038/IJBMS.2017.8677. **(IF: 1.424)**
Saeed Mohammadi, Marie Saghaeian-Jazi, Sima Sedighi, and Ali Memarian: *Immunomodulation in systemic lupus erythematosus: induction of M2 population in monocyte-derived macrophages by pioglitazone.* Lupus · April 2017; DOI: 10.1177/0961203317701842. **(IF: 2.454)**
Saeed Mohammadi, Sima Sedighi, Ali Memarian, and Yaghoub Yazdani: *Overexpression of interferon-γ and indoleamine 2, 3-dioxygenase in systemic lupus erythematosus: relationship with the disease activity*. LaboratoriumsMedizin · January 2017; DOI: 10.1515/labmed-2016-0076. **(IF: 0.176)**
Alireza Mohebbi, **Saeed Mohammadi**, Ali Memarian: *Prediction of HBF-0259 interactions with hepatitis B Virus receptors and surface antigen secretory factors.* VirusDisease 08/2016; DOI: 10.1007/s13337-016-0333-9. **(IF: 0.364)**
Marie Saghaeian-Jazi, **Saeed Mohammadi**, Yaghoub Yazdani, Sima Sedighi, Ali Memarian: *Effect of Valproic acid and pioglitazone on cell cycle progression and proliferation of T-cell acute lymphoblastic leukemia Jurkat cells*. Iranian Journal of Basic Medical Sciences. 19(7):744-781. DOI: 10.22038/IJBMS.2016.7364. **(IF: 1.424)**
Marie Saghaeian-Jazi, **Saeed Mohammadi**, Sima Sedighi: *Culture and Differentiation of Monocyte Derived Macrophages Using Human Serum: An Optimized Method*. Zahedan Journal Research in Medical Sciences. 06/2016; 18(6). **(PubMed)**

Yaghoub Yazdani, **Saeed Mohammadi**, Mehdi Yousefi, Fazel Shokri: *Preliminary Assessment of Various Additives on the Specific Reactivity of Anti-rHBsAg Monoclonal Antibodies*. Avicenna Journal of Medical Biotechnology 08/2015; 7(4):145-150. **(ISI & PubMed)**
Adel Ebrahimzadeh, **Saeed Mohammadi**, and Ali Jamshidi: *Allelic Forms of Merozoite Surface Protein-3 in Plasmodium falciparum Isolates from Southeast of Iran*. Jundishapur Journal of Microbiology 05/2014; 7(5). DOI:10.5812/jjm.9829. **(IF: 0.655)**
Fatemeh Namdar, Adel Ebrahimzadeh, **Saeed Mohammadi**: *Allelic Variation of Polymorphic Vaccine Candidates Merozoite Surface Protein-2 in Plasmodium falciparum Isolates from South-East of Iran.* 01/2014; 8(1). **(Scopus)**
Hamid Sadeghian, Samaneh Saedi, Ali Sadeghian, Morteza Akhlaghi, **Saeed Mohammadi**, Hadi Safdari: *Epidemiology and the Agreement Rate of Serological Tests in Human Brucellosis in North East of Iran.* 04/2015; 10(2). DOI:10.5812/archcid.10 (2)2015.20239. **(Scopus)**
Safdari H, Sadeghi A, Ghazvini K, **Mohammadi S** and Derakhshan M: *Prevalence of Mycobacterium tuberculosis in the samples referred to the tuberculosis research laboratory in Mashhad Ghaem Hospital during 2005-2006* .Iranian journal of microbiology. 2009*;* 1(3):20-2. **(PubMed)**

Presentations in Conferences

The expression of Interferon-γ and Indoleamine 2, 3-Dioxygenase is associated with the disease activity of Systemic Lupus Erythematosus; *International Student Congress Graz 2017*, Microbiology, Infectiology and Immunology – Oral, Graz, Austria
Bioactive compounds secreted by Lactobacillus act on Toll-like receptor 9 signaling pathway in a species-dependent manner; *International research fellowship (IRF)2017*, Groningen, Netherlands
Indole-3-carbinol induces G1 cell cycle arrest and apoptosis through Aryl hydrocarbon Receptor in THP-1 monocytic cell line; *International Students Congress of Biomedical Sciences (ISCOMS2017)*, Oral Session 2 6th-9th June, Groningen, Netherlands
The effects of berberine on the secretion of cytokines and expression of genes involved in cell cycle regulation in THP-1 monocytic cell line; *The 2nd International congress on hematological disorders*, Oral Presentation, 3-5 May2017, Shiraz, Iran
Pioglitazone Improves the Anti-Inflammatory Response of Human Monocyte Derived Macrophages in Systemic Lupus Erythematosus Patients through Expansion of M2 Subpopulation; *International Students Congress of Biomedical Sciences (ISCOMS2016)*, Plenary Session 2 (oral) 7th-10th June, Groningen, Netherlands
Valproic Acid enhances the anti-inflammatory immune response through alternative activation of monocyte-derived macrophages in Systemic Lupus Erythmatosous; *10th Annual Congress and*

2nd International Congress of Iranian Rheumatology Association, (oral), Tehran, Iran
Allelic Forms of Merozoite Surface Protein-3 in Plasmodium falciparum Isolates from Southeast of Iran; 7th international Immunology congress, Zahedan University of Medical Sciences, July 2013 (Oral)

Attended Fellowships and Workshops

Molecular eating: Feed your microbes to support immunity (research fellowship). University Medical Center Groningen. 2017. Certified under supervision of Prof. Paul de Vos.
In vitro Fertilization in mice. Yazd University of Medical Sciences. 2012. Certified under supervision of Dr Khalili. Department of Reproductive Biology.
Three Dimensional Visualization of Proteins. Golestan University of Medical Sciences. Students Research Committee workshop series. 2013. Trainer: Dr Morteza Khabiri
PCR Primer Design. Golestan University of Medical Sciences. Students Research Committee workshop series.2013.Trainer: Dr Ahad Yamchi
Atomic Absorption. Golestan University of Medical Sciences. Students Research Committee workshop series.2014.Trainer: Dr Hamidreza Joshaghani
Flowcytometry. Mazandaran University of Medical Sciences. Students Research Committee workshop series.2012.Trainer: Dr Askarian
Business Plan. Golestan University of Medical Sciences. Students Research Committee workshop series.2014.
Western Blotting. Golestan University of Medical Sciences. Students Research Committee workshop series.2014. Trainer: Dr Yaghoub Yazdani

Research Projects (*selected*)

In vitro Evaluation of Immunoregulatory Responses in Macrophages of Systemic Lupus Erythmatosous Patients Followed by Aryl Hydrocarbon Receptor Transcription Factor Activation. Supervised by Dr Yaghoub Yazdani (In progress)
Assessment of the Monocyte-Derived Macrophages immunologic response following apoptotic bodies and Sodium Valproate and Pioglitazone treatments in SLE patients. Supervised by: Dr Sima Sedighi
Computer-aided prediction of HBF-0259 mechanism in Hepatitis B virus surface antigen (HBsAg) secretion inhibition. Supervised by Dr Ali Memarian

Keratoconjunctivitis Sicca among Rheumatoid Arthritis Patients. Supervised by Dr Sima Sedighi
Study IL17, Hepcidin and Ferritin levels among patients with Systematic Lupus Erythematous (SLE) and Healthy control group. Supervised by: Dr Sima Sedighi
Relationship between VCAM1 & ECA with Lupus in patients attending to clinic of rheumatology, Gorgan. Supervised by: Dr Sima Sedighi
Study the effect of Glipizide on the growth, Apoptosis and cell cycle changes in HT-29 and HW-16 Colorectal cell lines and its correlation with the expression level of natriuretic peptide receptor A. Supervise by Dr Ali Memarian

CV references

1. **Dr Yaghoub Yazdani, PhD. Immunology.** *Golestan University of Medical Sciences, faculty of Advanced Medical Technologies, Department of Molecular medicine, Gorgan, Iran.*
Email: yazdani@goums.ac.ir

2. **Dr Sima Sedighi. Rheumatologist.** *Bones, joints and connective tissue Research Center, Golestan University of Medical Sciences, Gorgan, Iran*
E-mail: simasedighy@yahoo.com

3. **Dr Ali Memarian, PhD. Immunology.** *Golestan University of Medical Sciences, faculty of Medicine, Department of Immunology, Gorgan, Iran.*
E-mail: alimemarian@goums.ac.ir

4. Dr Naser Behnampour. *Department of Biostatistics, Faculty of Health, Golestan University of Medical Sciences, Gorgan, Iran.*
E-mail: behnampour@goums.ac.ir