

A. PERSONAL INFORMATION

Reyhane Khademi

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Female | **Date of birth** 18/02/1980 | **Nationality** Iranian

B. Honors and awards

- ✓ Ranked 1st Nationally in the Master's Degree Entrance Exam of Hematology, The Ministry of Health and Medical Education
- ✓ Scholarship winner EAACI 2016
- ✓ Oral abstract prize winner, EAACI, Austria, Vienna, 2016
- ✓ High GPA award (2007 and 2011)
- ✓ Appreciation from Qazvin Medical University
- ✓ Appreciation from Mazandaran Medical University

C. EDUCATION AND TRAINING

- **2010- 2017 PhD of Hematology & Blood Banking, GPA: 17.7/20 (3.54)**
High Institute for Research and Education in Transfusion Medicine (Tehran, Iran)
- **2007 – 2010 MSc in Laboratory Hematology & Blood Banking GPA: 18.47/20 (3.7)**
High Institute for Research and Education in Transfusion Medicine (Tehran, Iran)
- **2001 – 2004 MSc in Medical Parasitology, GPA: 17.71/20 (3.54)**
Department of Parasitology, School of Medical Science Tarbiat Modarres University (Tehran, Iran)
- **1999 - 2001 BSc in Medical Laboratory Sciences, GPA: 16/20 (3.2)**
Mazanadaran Medical Sciences University (Sari: Mazandaran province, Iran)
- **1997 - 1999 A.D in Medical Laboratory Sciences**
Qazvin Medical Sciences University (Qazvin: Qazvin province, Iran)

D. ACADEMIC POSITIONS

- **2010 – 2015 Teaching of Hematology and Transfusion Medicine (Assistant Professor)**

Hematology and Transfusion Medicine for Bsc degree students of Paramedical faculty including: Med laboratory sciences, Anesthesia technologist, Operating Theatre
Qom University of Medical Sciences

Supervisor/Title: Dr. Ababzadeh, +98 916 365 2312

- **2011 Technologist Modarres Hospital of Shahid Beheshti Medical Science University**
Routine tests of hematology, coagulation tests like PT, PTT, D- Dimmer, screening test of G6PD deficiency, quality and internal control of instruments and CBC counter calibration, ESR, preparation and investigation of blood smear slide, ...
- **2012 Bone Marrow Transplant Research Committee**
Taleghani Hospital of Shahid Beheshti Medical Science University
- **2013 – 2014 Teaching of Hematology and Transfusion Medicine (Assistant Professor)**
Hematology and Transfusion Medicine for Bsc degree students of Paramedical faculty including: Med laboratory sciences, Anesthesia technologist, Operating Theatre
Yazd University of Medical Sciences
Supervisor/Title: Dr. Hussein Hadi, +98 913 357 6620
- **2021 Teaching of Hematology and Transfusion Medicine**
Hematology and Transfusion Medicine for Bsc degree students of Paramedical faculty including: Med laboratory sciences
Yazd University of Medical Sciences
- **2015- 2016 Research staff Genetic & Molecular department of Immunology, Asthma & Allergy Institute, Tehran, Iran**
DNA, RNA and Protein extraction and purification, as the manager of blood & DNA banking; Primer design; Set up of Genetic test for LAD; Genetic tests for WAS (Wiskott Aldrich syndrome); Gene Sequencing description; Cell culture & differentiation; Real- Time PCR; PCR- RFLP; ARMS-PCR; MTT assay; Western Blotting; ELISA
Genetic & Molecular department of Immunology, Asthma & Allergy Institute, Tehran, Iran
- **2019- present Systematic Review Meta-Analysis Expert Group (SRMEG), (USERN), TUMS**
Supervisor/Title: Dr. Amene Saghazadeh, +98 916 612 6736
- **2020-present Immunology Board for Transplantation and Cell-Based Therapeutics (Immuno_TACT), (USERN), TUMS**
- **2020- present Research staff & Technologist of HLA-typing, IBTO**
Supervisor/Title: Dr. Saeed Mohammadi, +98 912 564 2595

E. Digital competences - Self-assessment grid

ICT-certificate(s)

- good command of office suite (word processor, presentation software, excel)
- SPSS Statistical Software
- Online Source Research 1, 2, 3 (Pubmed, Ovid, WOS, Scopus)
- Systematic Review & Meta-Analysis
- End note

F. Publications / Presentations / Projects / Conferences / Seminars

- 1) **Nanotechnology-based Diagnostics and Therapeutics in Acute Lymphoblastic Leukemia: A Systematic Review of Preclinical Studies**
 - Reyhane Khademi; Rahele Khademi; Zahra Mohammadi; Amene Saghazadeh; Nima Rezaei (under-submission 2022)
- 2) **Regulation and functions of integrin $\alpha 6$ in cancers**
 - Reyhane Khademi; Nima Rezaei (under-submission 2022)
- 3) **Evaluation of Aloe-Emodin on BCP-ALL by focusing on apoptosis signaling pathways of p53, NFkB, c.AMP (2022-)**
- 4) **Hodgkin lymphoma in an XLP1 patient: Case Report** (under-submission, supervised by prof. Nima Rezaei, TUMS, 2022)
- 5) **Regulation and functions of integrin $\alpha 5$ in cancers**
 - Reyhane Khademi; Nima Rezaei (2022-)
- 6) **Evaluation of clinical proteasome inhibitors in cancers** (supervised by Prof. Majid Safa, under-submission 2022)
- 7) **Microfluidics in personal medicine of cancer** (Iran University of Medical Sciences, IUMS, supervised by Prof. Majid Safa, under-submission 2022)
- 8) **Effect of cobalamin on adhesion & growth of Giardia lamblia in vitro.**
 - Iranian Journal of Parasitology, Vol 1. No 1, 2006, pp: 47-52
 - Poster in 5th Iranian NaGonal Congress of Parasitology NICOPA, P 104 (26/1179)
- 9) **Frequency and specificity of red blood cell alloantibodies in general patients' population with request for surgery in four selected hospitals in Tehran.**

- **FREQUENCY AND SPECIFICITY OF RED BLOOD CELL ALLOANTIBODIES IN GENERAL PATIENT POPULATION WITH REQUEST FOR SURGERY IN FOUR SELECTED HOSPITALS IN TEHRAN: P-0672**
 - 2013 Aug; 138(2): 252-256
 - Berlin, Germany, 2009
 - Vox Sang 2010; 99(Supplement 1): 339-40.
 - Participant in the 2th International Congress on Transfusion Medicine- Plasma Industry 10- 11 May 2011, Tehran
- 10) Evaluation of frequency and specificity of RBC alloantibodies in Namazi Hospital patients in Shiraz, 2010**
- Sci J Iran Blood Transfus Organ 2013; 10(3): 239-245
- 11) Evaluation of Expression Pattern of HE4, cPLA2 and COX2 Genes in Breast Cancer**
- Poster presented at the 13th NaGonal Congress on Quality Improvement in Clinical Laboratory. May 2015, Tehran, Iran
- 12) The Report of Five New Gene Mutations in Wiskott – Aldrich syndrome.**
- Hungary, IPIC 2015
 - EAACI Congress 2016, Vienna, Austria
 - ALLERGY, Volume: 71, Pages: 9, Publication date: 2016/8/1, Document Type: Meeting Abstract, Publisher WILEY-BLACKWELL, 111 RIVER ST, HOBOKEN 07030-5774, NJ USA
- 13) Detection and estimation of Platelet- derived MicroParticles Quantity during Storage Time**
- International Journal of Health Studies, 2016, 2(1)
- 14) Ultra structural orbicules released in ash (Fraxinus excelsior) pollen grains and their possible role in allergic respiratory**
- ALLERGY, Volume: 71, Pages: 191-192, Supplement: 102, Document Type: Meeting Abstract, Publisher WILEY-BLACKWELL, 111 RIVER ST, HOBOKEN 07030-5774, NJ USA
- 15) The effect of herbal medicine Lowerchol (Cyclanthera pedata and phytosterols extract) on the lipid profile and blood pressure in patients with dyslipidemia**
- Der Pharmacia Lettre, 2017, 9 [6]:47-56
- 16) Five Mutations in Six Families Possessing at Least One Member with Leukocyte Adhesion Deficiency I.**
- Iranian Journal of Allergy, Asthma & Immunology. 2018, Vol. 17, p39-40. 2p.

- 17) **Chitosan encapsulated with protein vaccine for protection against Colorectal cancer** (Tehran University of Medical Sciences, 2020 under-revision)
- 18) **chitosan-DNA nanoparticles: effects against Colorectal cancer in mice** (Tehran University of Medical Sciences, 2020 under-revision)
- 19) **Nanocomposite effect on cell culturing** (Tehran University of Medical Sciences, 2021 under-revision)
- ✓ **Evaluation of Aloe-Emodin on BCP-ALL by focusing on apoptosis signaling pathways of p53, NFkB, c.AMP** (accepted proposal by Prof. Nima Rezaei Research Team, CIP-USERN, TUMS, 2019)
- ✓ **Evaluation of KU-0060648, a dual inhibitor on chemosensitization of T-ALL** (accepted proposal by Prof. Nima Rezaei Research Team, CIP-USERN, TUMS, 2019)

G. PERSONAL SKILLS

- language(s): Persian, English, French

H. Recommendation

- 1) Prof. Ahmad Gharehbaghian, Faculty member (Full Professor) of School of Allied Medical Sciences at the Shahid Beheshti University of Medical Sciences (SBUMS) or Research Center of Iranian Blood Transfusion, gharehbaghian@sbm.ac.ir, +989123204379
- 1) Dr. fatemeh ghaffarifar, Professor of Parasitology, Tarbiat Modares University, ghafarif@modares.ac.ir, +989122148275
- 2) Dr. Nasrin Lotfi Bakhshaesh, TUMS, 989144124188
- 3) Dr. Hossein Hadi Nodoushan, Research and Clinical Center for Infertility, Yazd Reproductive Sciences Institute, Shahid Sadoughi University of Medical Sciences, Yazd, Iran. +98 913 357 6620
- 4) Dr. Ababzadeh, Qom University of Medical Sciences, Qom, Iran. +98 916 365 2312