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#### **PERSONAL INFORMATION**

Date of Birth: February 04, 1970  
Nationality: Iranian  
Marital status: Married

#### **POSITIONS**

- Professor of Immunology, Department of Immunology, Faculty of Medicine, Tabriz University of Medical Sciences
- The Head of Immunology department
- THE HEAD OF IMMUNOLOGY RESEARCH CENTER, Tabriz University of Medical Sciences

#### **ADMINISTRATIVE EXPERIENCE**

- The Head of Immunology department 2019- Present
- THE HEAD OF IMMUNOLOGY RESEARCH CENTER 2009- Present
- Boardman of Immunology 2019- Present
- Member of the Board of Directors of the Iranian Association of Immunology and Allergy 2019- Present
- The Head of Olympiad in Basic Sciences 2013-2016
- DEPUTY IMMUNOLOGY DEPARTMENT FOR EDUCATION 2009-2013

- The Head of Immunology lab in Imam Reza Hospital 2009-2014
- Executive Secretary of 13<sup>th</sup> international congress of Immunology and Allergy Tabriz, Iran 2016

### **EDUCATIONAL BACKGROUND**

2016-2017	Fellowship in microRNA replacement Therapy, Diamantina Translational Research Institute, University of Queensland
2008-2009	Advanced courses on Gene Therapy of Cancer, University of Melbourne
2005 – 2010	Ph.D Immunology Tarbiat Modaress University
2001- 2004	MSc Immunology Tarbiat Modaress University
1994- 1998	Laboratory Medicine Tabriz University

### **EDUCATIONAL INFORMATION**

1. 1st rank in national competition (2001)
2. Ph.D graduation score (17.25 out of 20)
3. MSc graduation score (17.6 out of 20)
4. MSc Thesis score (19.7 out of 20)
5. MSc Thesis title : Production of Monoclonal Anti body Against Human IgG In Balb/c Mouse And Comparison With Anti-IgG Standard
5. Ph.D Thesis title: Production of Monoclonal Anti-EGFR-recombinant PE38 Immunotoxin and Evaluation of its Effect on Induction of Apoptosis in Tumoral cell line

### **Awards**

- 2020; Global top 1% Scientists according to ESI
- 2018; Top Researcher in Iran (Razi Festival)
- 2017; Top Researcher in East Azarbijan province (Tabriz, Iran)
- 2017; Top Researcher of Tabriz University of Medical Sciences (Tabriz, Iran)
- 2015; Top Technologist of Tabriz University of Medical Sciences (Tabriz, Iran)
- 2015; Top Professor of Tabriz University of Medical Sciences (Tabriz, Iran)
- 2014; Top Researcher of Tabriz University of Medical Sciences (Tabriz, Iran)
- 2013; Top Researcher of Tabriz University of Medical Sciences (Tabriz, Iran)

### **The major research areas**

- Immunotherapy of cancers
- Genetherapy of cancers
- microRNA replacement therapy for cancers
- Immune checkpoints

### **SHORT COURSES & WORKSHOPS**

- 7-8 April 2007      **Real Time PCR: principle and Applications workshop**  
Biotechnology Research Center. Tabriz
- 3-5 Feb 2007      **Microbiological Methods Applied in DNA Manipulation and Gene Cloning**  
Biotechnology Research Center. Tabriz
- 15-16 Dec2003      **Guaranty of Quality in Serological Lab**  
Research Center of Reference Labs
- 1-2 May 2008      **Challenges in gene delivery for gene therapy applications**  
By Enrico Mastrobattista in Tabriz International Medical Congress
- 2009-2010      **University Skills**  
by EDC

### **PUBLICATIONS**

#### **A) JOURNAL PAPERS**

1. **Production and characterization of monoclonal antibodies against human IgG in Balb/c mouse**, J. Majidi, **B. Baradaran**, Z.M. Hassan and A. Mostafaie, Human Antibodies 14 (2005) 1–5
2. **Large Scale Production and Characterization of Anti-Human IgG Monoclonal Antibody in Peritoneum of Balb/c MICE**, **B. Baradaran**, J.Majidi, ZM.hassan and J.Abdolalizadeh, American Journal of Biochemistry and Biotechnology 1 (4): 189-192, 2005
3. **Development and Characterization of Monoclonal Antibodies against Human Epidermal Growth Factor Receptor (EGFR) in Balb/c Mice**, **Behzad Baradaran**, Ahmad Zavaran Hosseini, Jafar Majidi, , Jaleh Barar, Safar Farajnia, Zohair Hassan Saraf , Jalal Abdolalizadeh and Yadollah Omid, Human Antibodies , 18 (2009) 11–16
4. **Target therapy of cancer: Implementation of monoclonal antibodies and nanobodies**, Jafar Majidi, Jaleh Barar, **Behzad Baradaran**, Jalal Abdolalizadeh and Yadollah Omid, Human Antibodies 18 (2009) 81–100
5. **Suppression of nitric oxide production in activated murine peritoneal macrophages invitro and exvivo by Scrophularia striata ethanolic extract**, Abbas Azadmehr, Afshin Afshari, **Behzad Baradaran**, Reza Hajiaghaee,

Shamsali Rezazadeh, Hamidreza Monsef-Esfahani, Journal of Ethnopharmacology 124 (2009) 166–169

6. **Interleukin-17A and Interleukin-17F mRNA Expression in Peripheral Blood Mononuclear Cells of Patients with Multiple Sclerosis.** Zohreh Babaloo, Farhad Babaie, Mehdi Farhoodi, Mohamad Reza Aliparasti, **Behzad Baradaran**, Shohreh Almasi and Ahmad Hoseini, Iran J Immunol 7(4):202-9 (2010)
7. **Recombinant expression and purification of L2 domain of human epidermal growth factor receptor,** Elnaz Salehi, Safar Farajnia, Kazem Parivar, **Behzad Baradaran**, Jafar Majidi , Yadollah Omidi and Nazli Saeedi, African Journal of Biotechnology, 9 (33), 5292-5296, ( 2010 )
8. **Cytotoxic and Apoptotic Effects of Ornithogalum cuspidatum Methanolic Extract on WEHI-164 Fibrosarcoma Cancer Cell Line,** Samavati M, Babaloo Z, Delazar A, **Baradaran B**, Nazifee E, Mohammadi A, Movasahpour A, Pharmaceutical Sciences, 2010, Vol.16, No 3, 149-156
9. **Impacts of anti-EGFR monoclonal antibody in prostate cancer PC3 cells.** Alireza Rezaeiemanesh, Jafar Majidi, **Behzad Baradaran**, Aliakbar Movasaghpour, Ailar Nakhband, Jaleh Barar and Yadollah Omidi ,\_Hum Antibodies, **19**(2):63-70 (2010)
10. **Evaluation of Lavandula officinalis Extract on Lymphocyte Proliferation and Tumor Necrosis Factor-alpha Production,** Azadmehr A, Hajiaghaee R, Rezazadeh Sh, Afshari A, Kiani amin M, **Baradaran B**, Ebrahimi P, Journal of medicinal Plants,2011,38(2),142-148
11. **Preparation of Chitosan-Plasmid DNA Nanoparticles Encoding interleukin-12 and their Expression in CT-26 Colon Carcinoma Cells,** Somayeh Hallaj-Nezhadi, Hadi Valizadeh, Siavoush Dastmalchi, **Behzad Baradaran**, Mohammad Barzegar Jalali,Faramarz Dobakhti, Farzaneh Lotfipour, J Pharm Pharmaceut Sci, 2011,14(2) 181 – 195
12. **Correlation between superoxide dismutase 1 gene expression with lactate dehydrogenase enzyme and free radicals in female athletes:effects of incremental intensity exercises,** Behzad Baradaran .Bakhtiar Tartibian .Behrouz Baghaiee .Amir Monfaredan, Tehran University Medical Journal, July 2012; Vol. 70, No. 4: 212-219
13. **Enhanced Radiosensitivity and Chemosensitivity of Breast Cancer Cells by 2-Deoxy-D-Glucose in Combination Therapy,** Fahimeh Aghaee, Jalil Pirayesh Islamian, **Behzaad Baradaran**, J Breast Cancer 2012 June; 15(2): 141-147
14. **Evaluation of cytotoxic effect of methanolic extract fractions of Ornithogalum cuspidatum on WEHI-164 fibrosarcoma cancer cell line,**

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15. **Downstream characterization of anti-TNF- $\alpha$  single chain variable fragment antibodies**, Jalal Abdolalizadeh, Mohammad Nouri, Jafar Majidi Zolbanin, **Behzad Baradaran**, Abolfazl Barzegari, Yadollah Omid, *Human Antibodies* 21 (2012) 41–48
  16. **Insights into Behçet's disease**, Fatemeh Zare Shahneh, Zohreh Babalo, **Behzad Baradaran**, Koushan Sineh Sepehr, *Postep Derm Alergol* 2012; XXIX, 6: 461-466
  17. **Dichloromethane and Methanol Extracts of *Scrophularia oxypala* Induces Apoptosis in MCF-7 Human Breast Cancer Cells**, Samira Valiyari, **Behzad Baradaran**, Abbas Delazar, Ardalan Pasdaran, Fateme Zare, *Advanced Pharmaceutical Bulletin*, 2012, 2(2), 223-231
  18. **Behçet's Syndrome in Iranian Azari People**, Fatemeh Zare Shahneh, Zohreh Babaloo, **Behzad Baradaran**, Fatemeh Hamzavi, Babak Bayazi, Ali Bandehagh, *Pakistan Journal of Biological Sciences*, 2012, 15(21):1045-1047
  19. **Development and characterization of monoclonal antibodies against human CD20 in Balb/c mice**, Koushan Sineh Sepehr, **Behzad Baradaran**, Jafar Majidi, Jalal Abdolalizadeh, Leili Aghebati, Fatemeh Zare Shahneh, *Human Antibodies* 21 (2012) 57–64
  20. **Inhibition of MEK/ERK1/2 Signaling Affects the Fatty Acid Composition of HepG2 Human Hepatic Cell Line**, Bahman Yousefi, Masoud Darabi, **Behzad Baradaran**, Mahmoud Shekari Khaniani, Mohammad Rahbani, Maryam Darabi, Shabnam Fayezi, Amir Mehdizadeh, Negar Saliyani, Maghsod Shaaker, *BioImpacts*, 2012, 2(3), 145-150
  21. **Tumor angiogenesis and anti-angiogenic Therapies**, Fatemeh Zare Shahneh, **Behzad Baradaran**, Fatemeh Zamani and Leili Aghebati-Maleki, *Human Antibodies* 00 (2013) 1–5
  22. **Studies on the Cytotoxic Activities of *Punica granatum L. var. spinosa* (Apple Punice) Extract on Prostate Cell Line by Induction of Apoptosis**, Koushan Sineh Sepehr, **Behzad Baradaran**, Masoumeh Mazandarani, Vahid Khorrami and Fatemeh Zare Shahneh, *ISRN Pharmaceuticals*, 2012, Article ID 547942, 6 pages
  23. **New Approach to Red Blood Cell Classification Using Morphological Image Processing**, Mojtaba Taherisadr, Mona Nasirzonouzi, **Behzad Baradaran**, Alireza Mehdizadeh, *Shiraz E-Medical Journal* Vol. 14, No. 1, January 2013
  24. **Recombinant Expression and Purification of *Pseudomonas aeruginosa* Truncated Exotoxin A in *Escherichia coli***, **Behzad Baradaran**, Safar

- Farajnia, Jafar Majidi, Yadollah Omid, Nazli Saeedi, *Pharmaceutical sciences*, 2013, 19(1), 31-34
25. **Production and characterization of murine monoclonal antibody against synthetic peptide of CD34**, Leili Aghebati Maleki, Jafar Majidi, **Behzad Baradaran**, Jalal Abdolalizadeh and Aliakbar Movassaghpour Akbari, *Human Antibodies* 00 (2013) 1–8
  26. **Future prospects of monoclonal antibodies as magic bullets in Immunotherapy**, Leili Aghebati Maleki, **Behzad Baradaran**, Jafar Majidia, Mozhdah Mohammadian and Fatemeh Zare Shahneh, *Human Antibodies* 00 (2013) 1–5
  27. **Isolation of Anti-Tumor Necrosis Factor-Alpha (TNF- $\alpha$ ) scFv Antibody from Phage Antibody Library**, J. Abdolalizadeh, J. Majidi Zolbanin, M. Nouri, **B. Baradaran**, A. Barzgari, Y. Omid, *J Babol Univ Med Sci*, 15(3); May 2013
  28. **Production of Anti-CD14 monoclonal antibody using synthetic peptide of human CD14 as immunizing antigen**, Leili Aghebati Maleki<sup>1</sup>, Dariush Shانهbandi<sup>1</sup>, Jafar Majidi, Mehdi Yusefi, Jalal Abdolalizadeh, Mona Orangi and **Behzad Baradaran**, *Human Antibodies* 22 (2013) 67–71
  29. **Increased IL-17A but Decreased IL-27 Serum Levels in Patients with Multiple Sclerosis**, Zohreh Babaloo, Reza Khajir Yeganeh, Mehdi Farhoodi, **Behzad Baradaran**, Mohamadreza Bonyadi, Leili Aghebati, *Iran. J. Immunol.* March 2013, 10 (1), 47-54
  30. **Preparation and Characterization of Chitosan/ $\beta$ -cyclodextrin Nanoparticles Containing Plasmid DNA Encoding Interleukin-12**, M. Nahaei , H. Valizadeh , **B. Baradaran** , M. R. Nahaei , D. Asgari , S. Hallaj-Nezhadi , S. Dastmalchi , F. Lotfi pour, *Drug Res (Stuttg)*, 2012; 62: 1–6
  31. **Inhibition of Growth and Induction of Apoptosis in Fibrosarcoma Cell Lines by Echinophora platyloba DC: In Vitro Analysis**, Fatemeh Zare Shahneh, Samira Valiyari, Abbas Azadmehr, Reza Hajiaghaee, Saeid Yaripour, Ali Bandehagh, and **Behzad Baradaran**, *Advances in Pharmacological Sciences*, Volume 2013, Article ID 512931, 7 pages
  32. **New Approaches in Immunotherapy of Behçet Disease**, Fatemeh Zare Shahneh, Mozhdah Mohammadian, Zohreh Babaloo, **Behzad Baradaran**, *Advanced Pharmaceutical Bulletin*, 2013, 3(1), 9-11
  33. **Affinity Purification of Tumor Necrosis Factor- $\alpha$  Expressed in Raji Cells by Produced scFv Antibody Coupled CNBr-Activated Sepharose**, Jalal Abdolalizadeh, Jafar Majidi Zolbanin, Mohammad Nouri, **Behzad Baradaran**, AliAkbar Movassaghpour, Safar Farajnia, Yadollah Omid, *Advanced Pharmaceutical Bulletin*, 2013, 3(1), 19-23

34. **Inhibitory and Cytotoxic Activities of *Salvia Officinalis* L. Extract on Human Lymphoma and Leukemia Cells by Induction of Apoptosis**, Fatemeh Zare Shahneh, Samira Valiyari, **Behzad Baradaran**, Jalal Abdolalizadeh, Ali Bandehagh, Abbas Azadmehr, Reza Hajiaghaee, *Advanced Pharmaceutical Bulletin*, 2013, 3(1), 51-55
35. **Mass-Production and Characterization of Anti-CD20 Monoclonal Antibody in Peritoneum of Balb/c Mice**, Koushan Sineh Sepehr, **Behzad Baradaran**, Jafar Majidi, Jalal Abdolalizadeh, Leili Aghebati, Fatemeh Zare Shahneh, *Advanced Pharmaceutical Bulletin*, 2013, 3(1), 109-113
36. **Large Scale Generation and Characterization of Anti-Human CD34 Monoclonal Antibody in Ascetic Fluid of Balb/c Mice**, Leili Aghebati Maleki, Jafar Majidi, **Behzad Baradaran**, Jalal Abdolalizadeh, Tohid Kazemi, Ali Aghebati Maleki, Koushan Sineh sepehr , *Advanced Pharmaceutical Bulletin*, 2013, 3(1), 211-216
37. **Association of Expanded Disability Status Scale and Cytokines after Intervention with Co-supplemented Hemp Seed, Evening Primrose Oils and Hot-natured Diet in Multiple Sclerosis Patients**, Soheila Rezapour-Firouzi<sup>1</sup>, Seyed Rafie Arefhosseini, Mehdi Farhoudi, Mehrangiz Ebrahimi-Mamaghani, Mohammad-Reza Rashidi, Mohammad-Ali Torbati, **Behzad Baradaran**, *BioImpacts*, 2013, X(X), X-X
38. **PPAR $\gamma$  agonist-induced alterations in  $\Delta 6$ -desaturase and stearyl-CoA desaturase 1: Role of MEK/ERK1/2 pathway**,Negar Saliani, Masoud Darabi, Bahman Yousefi, **Behzad Baradaran**, Mahmoud Shekari Khaniani, Maryam Darabi, Maghsod Shaaker, Amir Mehdizadeh, Tahereh Naji, Mehrdad Hashemi, *World J Hepatol* 2013 April 27; 5(4): 220-225
39. **Effect of IMOD™ on the inflammatory process after acute ischemic stroke: a randomized clinical trial**, Mehdi Farhoudi, Mahdi Najafi-Nesheli, Mazyar Hashemilar, Ata Mahmoodpoor, Ehsan Sharifipour, **Behzad Baradaran**, Aliakbar Taheraghdam, Daryoush Savadi-Oskouei, Homayoun Sadeghi-Bazargani<sup>1</sup>, Elyar Sadeghi-hokmabadi, Hosein Akbari, Reza Rikhtegar, *DARU Journal of Pharmaceutical Sciences* 2013, 21:26
40. **Targeting Cytokines: Production and Characterization of Anti-TNF- $\alpha$  scFvs by Phage Display Technology**,\_ Jalal Abdolalizadeh, Mohammad Nouri, Jafar Majidi Zolbanin, Abolfazl Barzegari, **Behzad Baradaran**, Jaleh Barar, George Coukos and Yadollah Omid, *Current Pharmaceutical Design*, 2013, 19, 000-000
41. **Development of *Leptospira* Killed Whole Culture Vaccine Using Different Adjuvants and Evaluation of Humoral Immune Response in Hamsters**, R. Banihashemi, **B. Baradaran**, M. Tebianian, J. Majidi, A. Jabbari, S. Jalali, H.mohammadpour, K. Tadayyon, M. Sekhavati, R. Ghaderi, G. shokri, *J Vaccines Vaccin*, 2013, 4:4

42. **Targeting Stat3 and Smad7 to restore TGF- $\beta$  cytostatic regulation of tumor cells in vitro and in vivo**, RB Luwor, **B Baradaran**, LE Taylor, J Iaria, TV Nheu, N Amiry, CM Hovens, B Wang, AH Kaye, H-J Zhu, *Oncogene* (2012), 1–9
43. **Enhancing the Effects of Low Dose Doxorubicin Treatment by the Radiation in T47D and SKBR3 Breast Cancer Cells**, Fahimeh Aghaee, Jalil Pirayesh Islamian, **Behzad Baradaran**, Asghar Mesbahi, Mohammad Mohammadzadeh, Mohammad Asghari Jafarabadi, *J Breast Cancer*, 2013 June; 16(2): 164-170
44. **What role can bispecific antibodies play in cancer targeting? A hypothesis**, Vala Kafil, **Behzad Baradaran**, Yadollah Omid, *Medical Hypotheses* 81 (2013) 44–46
45. **Preparation and characterization of gelatin nanoparticles containing pDNA encoding IL-12 and their expression in CT-26 carcinoma cells**, Somayeh Hallaj-Nezhadi, Hadi Valizadeh, **Behzad Baradaran**, Faramarz Dobakhti, Farzaneh Lotfipour, *Future Oncol.* (2013) 9(8), 1195–1206
46. **Cytotoxic and apoptotic activity of *Scrophularia oxypala* in MCF-7 human breast cancer cells**, Samira Valiyari, Rana Jahanban-Esfahlan, Fateme Zare Shahneh, Saeid Yaripour, **Behzad Baradaran** & Abbas Delazar, *Toxicological & Environmental Chemistry*, 2013
47. **Induction of apoptosis by grape seed extract (*Vitis vinifera*) in oral squamous cell carcinoma**, Amirala Aghbali, Sepideh Vosough Hosseini, Abbas Delazar, Nader Kalbasi Gharavi, Fatemeh Zare Shahneh, Mona Orangi, Ali Bandehagh, **Behzad Baradaran**, *Bosn J Basic Med Sci* 2013; 13 (3): 186-191
48. **Immunomodulatory and therapeutic effects of Hot-nature diet and co-supplemented hemp seed, evening primrose oils intervention in multiple sclerosis patients**, Soheila Rezapour-Firouzia, Seyed Rafie Arefhosseini, Farhodi Mehdi, Ebrahimi-Mamaghani Mehrangizb, **Behzad Baradarand**, Elyar Sadeghihokmabada, Somaiyeh Mostafaeia, Seyed Mohammad Bagher Fazljoue, Mohammad-ali Torbatif, Sarvin Sanaieb, Fatemeh Zamani, *Complementary Therapies in Medicine* (2013) xxx, xxx—xxx
49. **Quantitative evaluation of CXCL8 and its receptors (CXCR1 and CXCR2) gene expression in Iranian patients with multiple sclerosis**, Shohreh Almasi, Mohammad Reza Aliparasti, Mehdi Farhodi, Zohreh Babaloo, **Behzad Baradaran**, Fatemeh Zamani, Homayoun Sadeghi-Bazargani, Somaiyeh Mostafaei, Elyar Sadeghi Hokmabadi, *Immunological Investigations*, 2013
50. **Induction of CD14 Expression and Differentiation to Monocytes or Mature Macrophages in Promyelocytic Cell Lines: New Approach**, Fatemeh Zamani, Fatemeh Zare Shahneh, Leili Aghebati-Maleki, **Behzad Baradaran**, *Advanced Pharmaceutical Bulletin*, 2013, 3(2), 329-332



51. **In vitro Cytotoxic Activity of Four Plants Used in Persian Traditional Medicine**, Fatemeh Zare Shahneh, **Behzad Baradaran**, Mona Orangi, Fatemeh Zamani, *Advanced Pharmaceutical Bulletin*, 2013, 3(2), 453-455
52. **A Unique Report: Development of Super Anti-Human IgG Monoclonal with Optical Density Over Than 3**, Leili Aghebati Maleki, **Behzad Baradaran**, Jalal Abdolalizadeh, Fatemeh Ezzatifar, Jafar Majidi, *Advanced Pharmaceutical Bulletin*, 2013, 3(2), 333-337
53. **Gene Therapy, Early Promises, Subsequent Problems, and Recent Breakthroughs**, Saeideh Razi Soofiyani, **Behzad Baradaran**, Farzaneh Lotfipour, Tohid Kazemi, Leila Mohammadnejad, *Advanced Pharmaceutical Bulletin*, 2013, 3(2), 249-255
54. **HLA-G Expression Pattern: Reliable Assessment for Pregnancy Outcome Prediction**, Elnaz Mosaferi, Jafar Majidi, Mozhdeh Mohammadian, Zohreh Babaloo, Amir Monfaredan, **Behzad Baradaran**, *Advanced Pharmaceutical Bulletin*, 2013, 3(2), 443-446
55. **Cytotoxic Effects of Alcoholic Extract of Dorema Glabrum Seed on Cancerous Cells Viability**, Maryam Bannazadeh Amirkhiz, Nadereh Rashtchizadeh, Hosein Nazemieh, Jalal Abdolalizadeh, Leila Mohammadnejad, **Behzad Baradaran**, *Advanced Pharmaceutical Bulletin*, 2013, 3(2), 403-408
56. **New insights into HLA class I association to Behçet's syndrome in Iranian Azari patients**, Fatemeh Zare Shahneh, Fatemeh Hamzavi, Babak Bayazi, Ali Bandehagh, **Behzad Baradaran**, *Autoimmun Highlights*, 2013,
57. **siRNA-mediated Silencing of Survivin Inhibits Proliferation and Enhances Etoposide Chemosensitivity in Acute Myeloid Leukemia Cells**, Hadi Karami, **Behzad Baradaran**, Ali Esfahani, Mehrdad Asghari Estiar, Mohammad Naghavi-Behzad, Masoud Sakhinia, Ebrahim Sakhinia, *Asian Pacific Journal of Cancer Prevention*, 2013, Vol 14, 7719-7724
58. **ERYTHROCYTE MEMBRANE FATTY ACIDS IN MULTIPLE SCLEROSIS PATIENTS AND HOT-NATURE DIETARY INTERVENTION WITH CO-SUPPLEMENTED HEMP-SEED AND EVENING-PRIMROSE OILS**, Soheila Rezapour-Firouzi, Seyed Rafie Arefhosseini, Mehrangiz Ebrahimi-Mamaghani, Mehdi Farhoudi, **Behzad Baradaran**, Torbati Mohammad Ali, Fatemeh Zamani, *Afr J Tradit Complement Altern Med.* (2013) 10(6):518-526
59. **Green tea (Camellia sinensis) administration induces expression of immune relevant genes and biochemical parameters in rainbow trout (Oncorhynchus mykiss)**, Shahab Nootash, Najmeh Sheikhzadeh, **Behzad Baradaran**, Ali Khani Oushani, Mohammad Reza Maleki Moghadam, Katayoon Nofouzi, Amir Monfaredan, Leili Aghebati, Fatemeh Zare, Sadigheh Shabanzadeh, *Fish & Shellfish Immunology* xxx (2013) 1e8

60. **Cytotoxic activities of *Ferulago angulata* extract on human leukemia and lymphoma cells by induction of apoptosis**, Fatemeh Zare Shahneh, Samira Valiyari, Abbas Azadmehr, Reza Hajiaghae, Ali Bandehagh, **Behzad Baradaran**, Journal of Medicinal Plants Research Vol. 7(11), pp. 677-682, 17 March, 2013
  
61. **Investigating Apoptotic Effects of Methanolic Extract of *Dorema glabrum* Seed on WEHI-164 Cells**, Maryam Bannazadeh Amirkhiz, Nadereh Rashtchizadeh, Hossein Nazemiyeh, Jalal Abdolalizadeh, Leila Mohammadnejad, and **Behzad Baradaran**, ISRN Pharmacology, 2013, Article ID 949871, 9 pages
  
62. **DNA Methylation Pattern as Important Epigenetic Criterion in Cancer**, Mehrdad Ghavifekr Fakhr, Majid Farshdousti Hagh, Dariush Shanehbandi, and **Behzad Baradaran**, Genetics Research International, Volume 2013, Article ID 317569, 9 pages
  
63. **Anti-phospholipase A2 receptor antibody in idiopathic membranous nephropathy: A report from Iranian population**, MohammadReza Ardalan, Ali Ghafari, Fatemeh Hamzavi, Hamid Nasri, **Behzad Baradaran**, Jafar Majidi, Behrooz Nikbin, J Nephropathology. 2013; 2(4): 241-248
  
64. ***Echinophora platyloba* DC (Apiaceae) Crude Extract Induces Apoptosis in Human Prostate Adenocarcinoma Cells (PC 3)**, Fatemeh Zare Shahneh, **Behzad Baradaran**, Jafar Majidi, Zohreh Babaloo, Biomed J Vol. 37 No. 3, May - June 2014
  
65. **Herbal Medicine as Inducers of Apoptosis in Cancer Treatment**, Elham Safarzadeh, Siamak Sandoghchian Shotorbani, **Behzad Baradaran**, Adv Pharm Bull, 2014, 4(Supp), x-x
  
66. **Inhibition of human esophageal squamous cell carcinomas by targeted silencing of tumor enhancer genes: an overview**, Jalil Pirayesh Islamian, Mohsen Mohammadi, **Behzad Baradaran**, Cancer Biol Med 2014;11:78-85
  
67. **RNA Interference and its Role in Cancer Therapy**, Behzad Mansoori, Siamak Sandoghchian Shotorbani, **Behzad Baradaran**, Adv Pharm Bull, 2014, 4(4), 313-321
  
68. **Effect of a combined treatment with erythropoietin and melatonin on renal ischemia reperfusion injury in male rats**, Nasser Ahmadiasl, Shokofeh Banaei, Alireza Alihemati, **Behzad Baradaran**, Ehsan Azimian, Clinical and Experimental Nephrology, February 2014
  
69. **The effect of Tween excipients on expression and activity of P-glycoprotein in Caco-2 cells**, Darya Hodae, **Behzad Baradaran**, Hadi Valizadeh, Leila Mohammadnezhad and Parvin Zakeri-Milani, Pharm. Ind. 75, No. 10, &–&(2013)

70. **Generation and Characterization of Anti-CD34 Monoclonal Antibodies that React with Hematopoietic Stem Cells**, Leili Aghebati Maleki, Jafar Majidi, **Behzad Baradaran**, Aliakbar Movassaghpour, Jalal Abdolizadeh, CELL JOURNAL(Yakhteh), Vol 16, No 3, Autumn 2014
71. **Down-Regulation of Mcl-1 by Small Interference RNA Induces Apoptosis and Sensitizes HL-60 Leukemia Cells to Etoposide**, Hadi Karami, **Behzad Baradaran**, Ali Esfehni, Samaneh Ghasemali, Masoud Sakhinia&, Alireza Abhari1, Ebrahim Sakhinia, Asian Pacific Journal of Cancer Prevention, 2013.14.12.XXXX
72. **Therapeutic Effects of Myeloid Cell Leukemia-1 siRNA on Human Acute Myeloid Leukemia Cells**, Hadi Karami, **Behzad Baradaran**, Ali Esfahani, Masoud Sakhinia, Ebrahim Sakhinia, Advanced Pharmaceutical Bulletin, 2014, x(x), xxx-xxx
73. **Reduced ABCB1 Expression and Activity in the Presence of Acrylic Copolymers**, Ramin Mohammadzadeh, **Behzad Baradaran**, Hadi Valizadeh, Bahman Yousefi , Parvin Zakeri-Milani, Advanced Pharmaceutical Bulletin, 2014, x(x), xxx-xxx
74. **Cloning and Expression of the Variable Regions of Anti-EGFR Monoclonal Antibody in E. coli for Production of a Single Chain Antibody**, Farzaneh Jalalypour, Safar Farajnia, Fatemeh Mahmoudi, **Behzad Baradaran**, Davoud Farajzadeh, Leila Rahbarnia, Jafar Majidi, Iran J Biotech. 2014 June; 12(2): e17522
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## **B) CONFERENCES**

### **Large Scale Production and characterization of Anti-human IgG Monoclonal Antibody in peritoneum of Balb/C Mice**

*Conference:* first International Congress on Immunodeficiency Disorders.2005  
Tehran-Iran

**Production and characterization of Monoclonal Antibody against human IgG in Balb/C Mouse**

*Conference:* The 7<sup>th</sup> congress of Immunology & Allergy.2004 Mashhad-Iran

**The Role of the Thymus in Myasthenia Gravis**

*Conference:* The first seminar in Myasthenia Gravis, 2007 Tabriz-Iran

**Production and Evaluation of monoclonal anti- hEGFR Effect on A431 Tumoral cells**

*Conference:* The 9<sup>th</sup> congress of Immunology & Allergy.2008 Tehran-Iran

**Determination of IC50 of curcumin total extract in epithelial like cell line of breast cancer T47D**

10<sup>th</sup> Iranian Congress of Biochemistry and the 3<sup>rd</sup> International Congress of Biochemistry and Molecular Biology

**Production of Monoclonal Antibody against EGFR and Evaluation of Its Effect in Apoptosis Induction on Tumor Cell Lines**

*Conference:* 5<sup>th</sup> International Breast Cancer Congress.2010 Tehran-Iran

**Production and purification of polyclonal antibody against human sperm**

*Conference:* Fertility, Sterility and laparoscopy congress.2008 Tabriz-Iran

**Books**

- 2013 Comprehensive Immunology for Students in Persian Language
- 2014 Comprehensive Immunology for Msc Students in Persian Language
- 2015 Practical immunology for Medicine students in Persian Language
- 2016 Common protocols in basic sciences in Persian Language
- 2018 Nanomaterials for Use in Apta-Assays in English Language

**DISCOVERIES AND INVENTIONS**

- 2005 Monoclonal Antibody against Human IgG
- 2019 Laboratory automatic sterilizer spray with Infrared electronic eye
- 2019 Antibacterial lab coat with UV detector tag
- 2020 Enhancing the antioxidant efficacy through combining two different polyphenols along chitosan

**Membership**

- Iranian Society for Immunology and Allergy
- International Cell Death Society, ICDS



**Teaching experience**

**2006 – Present** *Immunology*, Faculty of Medicine and Pharmacy , Tabriz University of Medical Sciences, Tabriz, Iran. (for medicine students, Ph.D Microbiology and Biotechnology students, MSc Immunology students, pharmacy and Dentist students and so on )

**PROFESSIONAL EXPERIENCES**

- Standard molecular biology techniques including: DNA and RNA extraction, PCR, Real Time PCR, gene Silencing by siRNA and shRNA, microRNA
- RT-PCR Cloning, Expression
- Immunological techniques: such as MTT. TUNEL, cytokine assay, western blotting, ELISA, production of monoclonal antibody, ...
- Immunofluorescence and Flow cytometry.
- Biochemistry techniques: PAGE, SDS-PAGE, purification techniques including : affinity chromatography, Ion exchange, Gel filtration
- Microbiology techniques including: culture of bacteria
- Animal cell culture technology including Isolation and culture of primary cells, cell line culture, Passage, Transformation, Transfection,...
- Animal manipulation: Immunization, creating Tumor, Immunotherapy of Tumors

**THESIS SUPERVISION**

	Title	Student	Super visor	Advi sor	Year		course
1	<b>Evaluation of monoclonal antibody impact against EGFR (Epidermal Growth Factor Receptor) in prostate cancer PC3 cell line: downstream signaling pathways</b>	Alireza Rezaemanesh		√	2008	MSc	Immuno logy
2	<b>Quantitive analysis of serum level and gene expression of interleukin-17 (A&amp; F) in patients with multiple sclerosis</b>	Farhad Babae		√	2008	MSc	Immuno logy
3	<b>Anti-tumor effect of Herb Medicine Ornithogalum Cuspidatum in induceing Apoptosis in WEHI-164 cancer cell line</b>	Mehrnosh Samavati		√	2008	MSc	Immuno logy
4	<b>Evaluation of Anti-tumor effect of Herb Medicine Ornithogalum Cuspidatum Methanol Fractions in inducing Apoptosis in WEHI164 cancer cell line</b>	Hamed Asadi		√	2010	Doctor	PG
5	<b>Isolation and Screening of anti-gastrin /CCKB Receptor scFv Antibody from Phage Antibody Library</b>	Mohammad Reza Tohidkia		√	2010	Ph.D	Biotech nology

6	<b>Isolation of anti-tumor necrosis factor-alpha single chain variable fragments antibody from phage antibody library</b>	Jalal Abdolalizadeh		√	2010	Ph.D	Biochemistry
7	<b>Enhancing the efficiency of radiotherapy for breast cancer cells(SKBR3, T47D ) by a combined therapy method with chemotherapy (2DG/DOX )</b>	Fahimeh Aghae	√		2011	MSc	Biophysics
8	<b>Cytotoxic effect of methanolic extract of medicinal plant Scrophularia Atropatana in induction of apoptosis in WEHI-164 and MCF-7 cancer cell lines</b>	Elham Safarzadeh	√		2012	MSc	Immunology
9	<b>Investigating apoptotic effects of alcoholic Extract of Dorema Glabrum Seed on Wehi-164 cell line</b>	Maryam Banazadeh Amirkhiz	√		2011	MSc	Biochemistry
10	<b>Effect of Resveratrol and Prednisolon on Bax and Bcl-2 gene expression level and apoptosis in acute lymphoblastic leukemia cell lines CCRF-CEM and MOLT_4</b>	Taghi Khanzadeh		√	2013	MSc	Hematology
11	<b>Comparison of different Purification methods of goat spermatogonial stem cells.</b>	Minoos Gifani	√		2012	MSc	Immunology
12	<b>In vitro evaluation of the effects of Polymers and preservatives on intestinal efflux pump</b>	Ramin Mohammadzadeh	√		2011	Doctor	Pharm.D
13	<b>The effect of pharmaceutical excipients on the activity and expression of P-glycoprotein</b>	Darya Hodae	√		2011	Doctor	Pharm.D
14	<b>The effect of the thymoquinone on A<sub>2A</sub> and A<sub>2B</sub> adenosine receptors gene expression in asthmatic guinea pigs induced by ovalbumin</b>	Zahra Mirza Mohammadi	√		2012	MSc	Physiology
15	<b>The effect of simultaneous gene therapy with IL-12 &amp; GM-CSF in the regression of tumor masses in mouse model</b>	Saeideh Razi Sofiani	√		2012	MSc	Immunology
16	<b>Cloning and stable expression of human hematopoietic stem cell antigen (CD34) in mouse fibroblast cell line</b>	Farzaneh Shafaghat		√	2010	MSc	Immunology
17	<b>Cloning and stable expression of human PECAM1(CD31) in mouse fibroblast cell line</b>	Hamed Salehi		√	2010	MSc	Immunology
18	<b>The assessment of combination therapy of erythropoietin and melatonin on ischemia/reperfusion renal injury in animal model,male rat</b>	Shokofeh Banae		√	2012	Ph.D	Physiology
19	<b>Production and characterization of monoclonal antibody against CD34 marker in Balb/c mice</b>	Leili Aghebati	√		2010	MSc	Immunology
20	<b>Production and characterization of monoclonal antibody against human IgA and comparison with Standard</b>	Fatemeh Ezatifar	√		2010	MSc	Immunology

21	<b>HLA-G gene expression variation in women decidua with recurrent miscarriage and its relation with null-HLA-G</b>	Nazila Alizadeh	√		2010	MSc	Immunology
22	<b>HLA-G gene expression pattern in placental tissue with recurrent miscarriage</b>	Elnaz Mosaferi	√		2010	MSc	Immunology
23	<b>Study of apoptosis induction mechanism by medicinal plant Echinophora Platyloba extract against cancer cell line, WEHI-164 and L929</b>	Fatemeh Zare Shahneh	√		2012	MSc	Immunology
24	<b>Evaluation of Epigenetic changes in p53 gene in MCF-7 cell line treated with extract of medicinal plants Scrophularia amplexicaulis and Scrophularia oxyssepala</b>	Mehrdad Ghavifekr	√		2011	MSc	Immunology
25	<b>Production of Monoclonal Antibody against CD20 marker of B Lymphocytes and evaluation of specific binding to CD20 expressed cells</b>	Koshan Sineh Sepehr	√		2010	MSc	Immunology
26	<b>Effects of viral infection model during pregnancy on onset and severity of multiple sclerosis disease in experimental autoimmune encephalomyelitis (EAE) model in offspring</b>	Mohammad Hossein Dosti		√	2010	MSc	Immunology
27	<b>Study of radiotherapy effect in Apoptosis induction on the breast cancer cell line</b>	Mona Fazel	√		2011	MSc	Biophysics
28	<b>Cloning and stable expression of B lymphocytes marker (CD19) in mouse NIH-3T3 cell line</b>	Hajar Abbasi		√	2012	MSc	Immunology
29	<b>Suppression of MCL-1 and survivin genes expression by two small interference RNA (siRNA) and evaluation of their apoptotic induction effect in human acute myeloid leukemia cell line (HL-60)</b>	Hadi Karami	√		2011	Ph.D	Molecular Medicine
30	<b>Clinicopathological significance of telomerase activity in gastric lavage fluid at diagnosis of gastric cancer with real-time PCR</b>	Vahid Jafarlou		√	2012	Resident	Surgery
31	<b>Cytotoxic effects of extract of medicinal plants Scrophularia amplexicaulis and Scrophularia oxyssepala in induction of apoptosis in WEHI-164 and MCF-7 cancer cell lines</b>	Samira Valiyari	√		2011	MSc	Immunology
32	<b>Study of interleukin-17A gene polymorphism and serum levels of IL-17 and IL-27 in patients with Multiple Sclerosis (MS) in comparison with control group</b>	Reza Yeganeh		√	2010	MSc	Immunology
33	<b>Evaluation of immune responses of RAZI leptosiral vaccine in hamster model</b>	Reza Banihashemi	√		2011	MSc	Immunology
34	<b>Tumor necrosis factor <math>\alpha</math> gene polymorphisms and recurrent pregnancy loss</b>	Zeinab Paknejad		√	2011	MSc	Genetic
35	<b>Investigation of IL-1 receptor antagonist gene and Interleukin 1<math>\beta</math> polymorphisms in women with recurrent miscarriage</b>	Masomeh Mohammad Khanlou		√	2011	MSc	Genetic
36	<b>Assessing the cytotoxic and apoptotic effect of methanol fractions of medicinal plant Scrophularia oxyssepala on WEHI-164 and MCF-7 cancer cell</b>	Mona Orangi	√		2013	MSc	Immunology

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37	<b>Cytotoxic and apoptotic effects of medicinal plant extracts, Dichloromethane fractions (scrophularia oxysephala) in the cancer cells MCF-7 and WEHI-164</b>	Behnaz olsadat Hosseini	√		2013	MSc	Immuno logy
38	<b>Suppression of ABCB1 genes expression by small interference RNA (siRNA) and evaluation of drug resistance in Etoposide resistant human acute myeloid leukemia cell line (HL-60)</b>	Saeid Kechlaki	√		2013	MSc	Immuno logy
39	<b>Studying the combined effect of radio-gene therapy by siRNA technique on increasing apoptotic death in esophagus SCC cancer cells</b>	Mohsen Mohammadi		√	2012	MSc	Radiobi ology
40	<b>Enhancing The Efficiency Of Radiotherapy For Breast Cancer Cells (SKBr3 &amp; MCF7) by a Combined Therapy Method With Chemotherapy (2DG/MLN4924)</b>	Maryam Olade Ghaffari		√	2012	MSc	Radiobi ology
41	<b>Construction a chimeric <i>M2e-HA2</i> fused antigen of Influenza A virus for expressing in Escherichia coli</b>	Ali Ameghi		√	2011	Ph.D	Biotech nology
42	<b>Suppression of MCL-1 and Survivin Genes Expression through two siRNA and Evaluation of their Apoptotic Effect in U937 cell line</b>	Mehdi Jafarlou	√		2011	Ph.D	Molecul ar Medicin e
43	<b>Suppression of MDR1 (ABCB1) genes expression by small interference RNA (siRNA) and evaluation of drug resistance in oxaliplatin resistant human colon cancer cell line (SW 480)</b>	Nooshin Montazami	√		2013	MSc	Immuno logy
44	<b>The survey of nanocurcumin effects on macrophages role on breast tumor progress in a tipycal animal model, and the determination of upstream and downstream pathways</b>	Sadaf Shiri	√		2013	MSc	Immuno logy
45	<b>Suppression of HMGA2 gene expression by a small interference RNA (siRNA) and evaluation of their apoptotic induction effect and cell cycle inhibition and invasiveness inhibition in human breast adenocarcinoma cell line (MDA-MB-468)</b>	Behzad Mansouri	√		2013	MSc	Immuno logy
46	<b>Study of TLR 2, TLR 4 and Myd 88 gene expression in peripheral blood monocytes of patients with vitiligo</b>	Akbar Mohammad Hosseini		√	2011	MSc	Immuno logy
47	<b>Evaluation of cytotoxic activities of Iranian orthodox black tea extract (BTE) on oral squamous cell carcinoma (KB cell line)</b>	Faranak Moradi	√		2012	Reside nt	Patholo gy
48	<b>Apoptosis induction and cell viability effects of hydroalcoholic grape seed extraction on squamous cell carcinoma KB cell line</b>	Nader Kalbasi	√		2012	Reside nt	Patholo gy
49	<b>Comparison of gene expression profile of cytokines secreted by peripheral blood mononuclear cells in co-culture with placental and umbilical cord blood derived mesenchymal stem cells</b>	Parisa Lotfinejad		√	2013	MSc	Immuno logy
50	<b>Association between HLA class II DQ<sub>8</sub> – DR<sub>4</sub> haplotype and type 1 Diabetes Mellitus in children</b>	Nasrin Sohrabi		√	2013	MSc	Genetic

51	<b>Inhibition of HMGA2 gene expression by siRNA in HCT116 cell lines in colorectal cancer</b>	Sahar Esamaeilzadeh	√		2013	MSc	Immunology
52	<b>Simultaneously suppression of HMGA2 and BACH1 genes expression by a small interference RNA (siRNA) and evaluation of their apoptotic induction effect and cell cycle inhibition in human breast adenocarcinoma cell line (MDA-MB-468).</b>	Mansour Aletaha	√		2013	Ph.D	Biotechnology
53	<b>Association between HLA class II DQ<sub>2</sub> – DR<sub>3</sub> haplotype and type 1 Diabetes Mellitus in children</b>	Fatemeh Zeinali		√	2013	MSc	Genetic
54	<b>Suppression of SNAIL 1 gene expression by a small interference RNA (siRNA) and evaluation of their effect on metastatic cells in esophageal cancer</b>	Maryam Hematzadeh	√		2014	MSc	Immunology
55	<b>Suppression of SNAIL gene expression by a small interference RNA (siRNA) and valuation of their inhibition effect on metastatic bladder cancer cell line.</b>	Shima Salehi barzgar	√		2014	MSc	Immunology
56	<b>Suppression of BACH1 gene expression by a specific small interference RNA (siRNA) in Prostate tumoral model.</b>	Neda Shajari	√		2014	MSc	Immunology
57	<b>Suppression of BACH1 gene expression by a specific small interference RNA (siRNA) in colon tumoral model.</b>	Sadaf Davodian	√		2014	MSc	Immunology
58	<b>Suppression of PTPN22 gene expression by a specific small interference RNA (siRNA) in T Tumoral lymphocytes (Jurkat) and the effect on Apoptosis signaling Pathways</b>	Elham Baghbani	√		2014	MSc	Immunology
59	<b>Effect of specific siRNA against HMGA2 gene in PC-3 cell line Prostate cancer</b>	Shima Khajoei	√		2014	MSc	Genetic
60	<b>Therapeutic effects of DJ-1 Plasmid Vector for Cardiovascular Ischemic Injury Gene Therapy.</b>	Shahroz Ghaderi	√		2014	Ph.D	Molecular Medicine
61	<b>MiR-143 replacement effect on growth and metastasis inhibition in gastric cancer cell lines</b>	Nayer Hossein Ahli	√		2015	MSc	Immunology
62	<b>miR-143 replacement effect on growth and metastasis inhibition in colorectal cancer cell lines</b>	Leila Karimi	√		2015	MSc	Immunology
63	<b>miR-145 Replacement effect on growth and metastasis in Gastric cancer cell line</b>	Tahereh Zeinali	√		2015	MSc	Immunology
64	<b>MiR-143 replacement effect on growth and metastasis inhibition in breast cancer cell lines</b>	Fatemeh Tavanafar	√		2015	MSc	Genetic
65	<b>Mir-330 Replacement therapy of breast cancer and its inhibitory role in growth and migration of Mcf7 cell line</b>	Elham hosseinzadeh		√	2015	MSc	Genetic
66	<b>MiR-145 replacement effect on growth and migration inhibition in lung cancer cell line</b>	Navaz Sadeghieh	√		2015	MSc	Genetic

67	<b>Suppression of HMGA2 gene expression by a small interference RNA (siRNA) and evaluation of its metastatic effect on lung carcinoma cell line (A549).</b>	Sanaz Naghizadeh		√	2015	MSc	Genetic
68	<b>miR-330, Melanoma Cancer , Migration, microRNA Replacement Therapy, Apoptosis</b>	Naser Sehati	√		2015	MSc	Biotechnology
69	<b>MiR-143 replacement effect on growth and migration inhibition in prostate cancer cell lines</b>	Elshan bajan	√		2015	MSc	Genetic
70	<b>Investigation of the gene silencing STAT3 effect and use of agonist TLR7 / TLR8 in the immunomodulatory activity of myeloid-derived suppressor cells in patients with breast cancer</b>	Elham safarzadeh	√		2015	Ph.D	Immunology
71	<b>Assessment of inhibition ERAP1 in free heavy chain expression in peripheral blood mononuclear cell-derived macrophages in spondylitis ankylosing patients and its affects in NK cells responses</b>	Farhad Babaei	√		2015	Ph.D	Immunology
72	<b>Assessment of inhibition ERAP1 in free heavy chain expression in peripheral blood mononuclear cell-derived macrophages in spondylitis ankylosing patients and its affects in T CD8+ cells responses</b>	Hamed Mohammadi	√		2015	Ph.D	Immunology
73	<b>Investigation of the effect of PAMAM-PLGA nanoparticles loaded with the siRNA molecules against CD133 on the apoptosis, proliferation and migration in the colorectal cancer</b>	Zahra Asadzadeh		√	2017	Msc	Immunology
74	<b>Investigation of the effect of PEGylated nanoparticles (PAMAM) loaded with the siRNA molecules against CD133 on the apoptosis , proliferation and migration in the lung cancer</b>	Marjan Aghajani		√	2017	Msc	Immunology
75	<b>Evaluation of the effects of anti-CD44 siRNA-containing polymeric nanoparticles (PEI) on inhibition of growth and migration of breast cancer cells</b>	Fatemeh Vahidian		√	2017	Msc	Immunology
76	<b>The effect of dimethyl fumarate and ruxolitinib combinational therapy on EAE mouse model as animal model of multiple sclerosis</b>	Arezou Hosseini	√		2017	Ph.D	Immunology
77	<b>The effect of PAMAM-PEG nanoparticles loaded with the siRNA molecules against PDL-1 on inhibition of activated T-lymphocytes differentiation to induced regulatory T-lymphocytes</b>	Parisa Lotfinejad	√		2017	Ph.D	Immunology

78	<b>Investigation of the effect of nanoparticeloes loaded with the siRNA molecules against P68 and STAT3 in the growth inhibition and development of cancer cells</b>	Vida Hashemi	√		2017	Ph.D	Immuno logy
79	<b>The effect of STA-21, a STAT3 inhibitor and All Trans Retinoic Acid (ATRA) combinational therapy on Experimental autoimmune encephalomyelitis (EAE) as a muose model of Multiple sclerosis (MS)</b>	Tohid Gharibi	√		2017	Ph.D	Immuno logy
80	<b>Evaluation of downregulation of NANOG gene expression suppression and replacement of Let-7 in breast cancer cell line and the effects on stemness, invasion and apoptosis of cells</b>	Zeinab Aliyari	√		2017	Ph.D	Applied Cellular Science s

### EMPLOYMENT HISTORY

2001- Present Tabriz University of Medical Sciences, Medicine Faculty,  
Immunology Department, Tabriz, Iran

### Occupation/Position

Academic and Research member