



Sabzevar University of Medical Sciences, Faculty of Medicine

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PERSONAL INFORMATION

Name: Omid

Surname: Gholami

Date of Birth: 5 June 1982, Mashhad, Iran

Marriage status: Married

EDUCATIONAL BACKGROUND

Ph.D. in Pharmaology (2007 - 2012)

Pharmacology department, Faculty of medicine, Shahid Beheshti Medical Science University

Doctorate in Pharmacy (Pharm.D.) (2000-2006)

Faculty of pharmacy, Tehran University of medical science

Faculty of pharmacy, Mashad University of medical science

Ph.D. THESIS TITLE

Study the induction of apoptosis by umbelliprenin on CLL cell line

(Supervisors: Professor Mahmood Jeddi Tehrani, Professor Seyed Ali Ziai)



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MOST IMPORTANT POSTS HELD

1. Membership in Iranian Medical Council, 2006- up to now
2. Membership in Iranian Association of Pharmacists, 2006- up to now
3. Membership in Iranian Physiology and Pharmacology Society, 2011- up to now
4. Academic member of physiology and pharmacology department, Sabzevar university of medical sciences, 2012 up to now
5. Head of the “Palliative Care” Working Group (Depending Developments and innovations in medical education), Sabzevar University of Medical Education, 2015
6. Head of the “Curriculum Planning” Committee, Faculty of Medicine, Sabzevar University of Medical Sciences, 2015
7. Vice Chancellor in Educational Affairs, Faculty of Medicine, Sabzevar University of Medical Sciences, 2013 up to 2015
8. Membership in Research council of faculty of medicine, Sabzevar university of medical sciences, 2012 up to now
9. Membership in Educational council of faculty of medicine, Sabzevar university of medical sciences, 2012 up to now
10. Membership in Technology Council of Sabzevar University of Medical Sciences, 2013 up to now
11. Membership in Health Technology Incubation Center, Sabzevar University of Medical Sciences, 2013 up to now
12. Membership in Traditional and Complementary Medicine Research Center, Sabzevar University of Medical Sciences, 2013 up to now
13. Associate Editor of “Open Access Journal of Pharmaceutical Research” Journal, 2017

Theses Supervision:

1. Study the effect of co-administration of an acidic juice (Orange juice) with oral phenobarbital on its serum level in pediatric patients with seizure- Supervisor- M.D.



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2. The role of serotonin and serotonin receptors on inhibitory effect of curcumin in seizure induced by pentylenetetrazol in male mice- Advisor- M.s of Human Physiology
3. Study the Effect of Hydro-alcoholic Zingiber officinale (ginger) Rhizome Extract on Blood Factors and Liver Toxicity in Mice-Advisor- Ms. of animal Physiology
4. Effect of auraptene on beta amyloid induced spatial memory impairment in rats- Supervisor- M.s of Human Physiology
5. The Effect of umbelliprenin on behavioral symptoms of neuropathic pain and the expression of Tumor Necrosis Factor α in chronic constriction injury model of neuropathic pain in male rats- Supervisor- M.s of Human Physiology
6. Comparison of Mometasone Furoate Monohydrate (Nasonex) and Fluticasone Propionate (Flixonase) Nasal Sprays in the Treatment of Allergic Rhinitis- Supervisor- M.D.

RESEARCH ACTIVITIES

1. Study the Effect of Hydro-alcoholic Zingiber officinale (ginger) Rhizome Extract on Blood Factors and Liver Toxicity in Mice (Research Project, completed)
2. Review on Cytotoxic effects of Umbelliprenin on different cancerous cell lines (Research Project, completed)
3. Study the cytotoxicity of auraptene on CLL cell lines and transcription of Mcl-1 gene (Research Project, completed)
4. Comparison of Mometasone Furoate Monohydrate (Nasonex) and Fluticasone Propionate (Flixonase) Nasal Sprays in the Treatment of Allergic Rhinitis (Research Project, completed)
5. Study the cytotoxic effect of fludarabine, rituximab and cyclophosphamid on Peripheral Blood Mononuclear cells from Chronic Lymphocytic Leukemia patients in presence of umbelliprenin (Research Project, in Progress)
6. Study the effect of Ginger powder capsules on Premenstrual Syndrome in students of Sabzevar University of Medical Sciences (Research Project, in Progress)
7. Computational study and simulations of Inhibitory effect of umbelliprenin on Mcl-1, TNFR and FasR proteins (Research Project, in Progress)



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8. The Effect of umbelliprenin on behavioral symptoms of neuropathic pain and the expression of Tumor Necrosis Factor α in chronic constriction injury model of neuropathic pain in male rats (research Project, in progress)
9. Comparison of the cytotoxicity of Arctigenin and Umbelliprenin on Jurkat cell lines and effects of these two on the expression of anti-apoptotic Mcl-1 gene (Research Project, in progress)
10. Comparison of the cytotoxicity of Hesperidin and 7-isopantinyloxy coumarin on Jurkat, KG1a, Nalm6 cell lines and effects of these two on the transcription of Myeloid Cell Leukemia Type 1 (Mcl-1) gene (Research Project, in progress)

CONFERENCE PARTICIPATION

1. "Umbelliprenin and Auraptene are Cytotoxic Against Cancerous Cell Lines and Regulate Myeloid Cell Leukemia Type-1 (Mcl-1) Gene Expression"
*Fatemeh Movahedi-Motlagh, **Omid Gholami***
6th National Congress on Medicinal Plants, Iran, Tehran, May 2017 (Poster Presentation)
2. "Evaluating the Effect of Umbelliprenin on Behavioral Responses of Neuropathic Pain in Chronic Constriction Injury Model of Neuropathy in Male Rats"
*Faranak Jafari, Samad Nazemi, **Omid Gholami***
17th Congress of Iranian Medical Students, Iran, Kashan, September 2016 (Oral Presentation)
3. "Comparing the cytotoxic effect of umbelliprenin and auraptene on cancerous cells in culture medium"
***Omid Gholami**, Fatemeh Movahedi-Motlagh*
1st International and 22nd Iranian Congress of Physiology and Pharmacology, Iran, Kashan, 7-11 September 2015. (Poster Presentation)
4. "Clomiphene citrate, ovarian hyperstimulation syndrome (OHSS) and multiple pregnancies"
***Omid Gholami**, Javad Ganjloo*
1st International Congress on Reproduction- ISERB, Iran, Tehran 23-25 May 2015. (Poster presentation)
5. "Study the Effect of Hydro-alcoholic Zingiber officinale (ginger) Rhizome Extract on Blood Factors and Liver Toxicity in Mice"
Mehrnoosh Naveb Yazdi**, Akbar Soleymani, **Omid Gholami
1st National Conference of medicinal Herbs, Traditional Medicine and Organic Agriculture, Iran, Hamedan 28 November 2014. (Poster Presentation)
6. "Umbelliprenin Induces Intrinsic and Extrinsic pathways of Apoptosis in CLL Cell Lines"
***Omid Gholami**, Seyed Ali Ziai, Mahmood Jeddi Tehrani*
21st International Iranian Congress of Physiology and Pharmacology, Iran, Tabriz 23-27 August 2013. (Poster presentation)
7. "Teaching clinical pharmacology and therapeutics to medical students"
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- 14th Iran Medical Education Conference, Iran, Tehran, April 2013. (Poster presentation)
8. “Effects of Aqueous Extracts of Garlic and Peganum harmala on Motor Asymmetry and Oxidative Stress in an Experimental Model of Parkinson’s Disease in Male Rats”
Seyed Ali Ziai, Sima Nasri, Fariba Salar, Maryam Rezai, Mehrdad Roghani, Mohamad Kamalinejad, Mehdi Goodarzvand, **Omid Gholami**
19th International Iranian Congress of Physiology and Pharmacology, Iran, Tehran, November 2009. (Poster presentation)

PUBLICATIONS

1. **Gholami, Omid**. *Umbelliprenin and chronic lymphocytic leukemia (CLL) treatment*. Düsseldorf, Germany: Lambert Academic Publishing (LAP), 2017
2. “Umbelliprenin Mediates Its Apoptotic Effect by Hormesis: A Commentary”
(Dose-Response Journal, 2017, 15 (2): 1-2)
Omid Gholami
3. “Letter to the Editor”
(Journal of Evidence-Based Complementary & Alternative Medicine, 2017, 22 (2): 193)
Omid Gholami
4. “Comparative Study on the Efficacy of Mometasone and Fluticasone Nasal Sprays for Treatment of Allergic Rhinitis”
(International Journal of Pharmacy and Pharmaceutical Sciences, 2017, 9 (3): 211-14)
Mahshid Sadat Mirmoezzi, Mohammad Shurideh Yazdi, **Omid Gholami***
5. “Comparison of Umbelliprenin and Auraptene in cytotoxic effects and Mcl-1 gene expression”
(Indian Journal of Pharmaceutical Sciences, 2016, 78 (6): 827-33)
F. Movahedi Motlagh, **Omid Gholami***
6. “Effect of Hydro-Alcoholic Extract of Ginger Rhizome on Blood Factors in Acetaminophen-Induced Liver Toxicity in Mice”
(Journal of Sabzevar University of Medical Sciences, 2016, 23 (3): 416-20)
Mehrnosh Nayebyazdi, Akbar Soleimani, **Omid Gholami***
7. “Phytochemical Profile, Antioxidant and Cytotoxic Activities of *Launaea acanthodes*; an Endemic Species of Iran”
(International Journal of Advanced Biotechnology and Research, 2016, 7 (4): 185-192)
Hasan Rezaei Seresht, Leila Sadat Aldaghi, Hamid Cheshomi, **Omid Gholami**
8. “Comparison of Cytotoxic effects of Umbelliprenin and Auraptene”
(International Journal of Pharmacy and Pharmaceutical Sciences (IJPPS), 2016, 8 (1): 1-4)
Omid Gholami, Jamal Shamsara
9. “Mcl-1 Is Up Regulated by Prenylated Coumarin, Umbelliprenin in Jurkat Cells”
(Iranian Journal of Pharmaceutical Research (IJPR) Journal, 2014, 13(4): 1385-1390)



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Omid Gholami, Mahmood Jeddi Tehrani, Mehrdad Iranshahi, Amir Hasan Zarnani, Seyed Ali Ziai

10. “Umbelliprenin from *Ferula szowitsiana* activates both intrinsic and extrinsic pathways of apoptosis in Jurkat T-CLL cell line”
(Iranian Journal of Pharmaceutical Research (IJPR) Journal, 2013, 12 (3):371-376)
Omid Gholami, Mahmood Jeddi Tehrani, Mehrdad Iranshahi, Amir Hasan Zarnani, Seyed Ali Ziai
11. “Evaluating the effect of IL-27-transfected mesenchymal stem cells on certain histological and immunological parameters in a mouse model of experimental autoimmune encephalomyelitis”
(Journal of Isfahan Medical School, 2013, 31(249): 1270-1284)
Mohamad Shafie Mojaddadi, Rahim Golmohammadi, H. Khanahmad, Omid Gholami
12. “Umbelliprenin Induces Apoptosis in CLL Cell Lines”
(Iranian Journal of Pharmaceutical Research (IJPR) Journal, 2012, 11 (2): 653-659)
Seyed Ali Ziai, Omid Gholami, Mehrdad Iranshahi, Amir Hasan Zarnani, Mahmood Jeddi Tehrani
13. “Opium Addiction Increases Interleukin 1 Receptor Antagonist (IL-1Ra) in the Coronary Artery Disease Patients”
(PLoS ONE Journal, 2012, 7(9): e44939)
Hasan Saadat, Seyed Ali Ziai, Maryam Ghanemnia, MH Namazi, M Safi, H Vakili, Ali Dabbagh, Omid Gholami
14. “Stevens Johnson syndrome”
(Razi journal, November 2009, 21(10))
Omid Gholami
15. “Coetaneous adverse reaction (rash)”
(Razi journal, June 2008, 20(5))
Omid Gholami
16. “Endothelin receptor blockers (ERB) for treatment of pulmonary arterial hypertension (PAH)”
(Razi journal, February 2008, 20(1))
Omid Gholami

TEACHING EXPERIENCES

- Basic and Clinical Pharmacology for Medical students
- Basic and Clinical Pharmacology for Nursing and Paramedical Students
- Clinical Pharmacology for M.Sc. Students of Nursing
- Basic Pharmacology for M.Sc. Students of Physiology
- Clinical Pharmacology and Therapeutics for Medical Students

WORKSHOPS

1. Teaching in “Pharmacotherapy of Cardiovascular Diseases” Workshop. CME Program for General Physicians (*Sabzevar- Iran, December 2016*)



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2. Teaching in “Rational Use of Antibiotics” Workshop. CME Program for General Physicians (*Sabzevar- Iran, October 2016*)
3. “Research Fellowship”, Sabzevar University of Medical Sciences (*Sabzevar- Iran, September 2015 to December 2016*)
4. Teaching in “Pharmacotherapy of Psychological Disorders” Workshop. CME Program for General Physicians (*Sabzevar- Iran. December 2014*)
5. Teaching in “Pharmacotherapy of Rheumatoid Arthritis and Respiratory Disorders” Workshop. CME Program for Pharmacists and General Physicians (*Sabzevar- Iran. September 2014*)
6. Teaching in “Principles of Rational Use of Drugs” Workshop (*Sabzevar- Iran. February 2014*)
7. “Cochrane Systematic Review” workshop, Mashhad University of Medical Sciences (*Mashhad- Iran, October 2013*)

EXPERIENCE

Professional Skills

- Stereotaxic Surgery of Rat for drug injection.
- MTT Assay for detection of cytotoxicity of Drugs in vitro.
- Western blot analysis for detection of Protein production in vitro.
- Double Staining flowcytometry method for detection of apoptosis in vitro.
- Real time PCR analysis for detection of gene translation.

Computer Skills

- ICDL
- SPSS
- Microsoft office (Word- Power point- Excel- Access), Photoshop
- Reference manager & Endnote

FIELDS OF INTERESTS

Cancer Chemotherapy, Apoptosis, Herbal Medicines, Teaching clinical pharmacology and Therapeutics, Pharmacogenetic, Pharmacoepidemiology, Investigation of new drugs from laboratory to clinic (Bench to Bedside)

HOBBIES

Movie, Music, Sport, Traveling