

In The Name of God
Curriculum Vitae (CV)

Date: 2023/07/08

A. Personal Details

First Name: Marziyeh

Last name: Babazadeh Dezfuli

Majored in: Clinical Biochemistry

Academic Degree: Assistant Professor

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B. Academic Educations

1. DVM in Veterinary Medicine, School of Veterinary Medicine, Shiraz University, Shiraz, Iran, 2013

Title of thesis: The effect of Adipose-derived mesenchymal stem cell in repair of experimental articular cartilage defects of male rabbits.

2. PhD in Clinical Biochemistry, Department of Biochemistry, School of Medicine, Shiraz University of Medical Sciences, Shiraz, Iran.

2021.

Title of thesis: The comparative role of BAMLET and 5-Flourouracil in colorectal cancer cells by targeting WNT/ β -Catenin pathway.

C. Teaching Experience

1. The nutrition biochemistry (theoretical) to BSc student in Institute of Applied Scientific Education of Jihad E Agriculture, Shiraz, Iran, at 2014
2. Basic biochemistry laboratory to medical, dental and pharmacy MD student in Shiraz University of Medical Sciences, Shiraz, Iran, science 2014 to 2018.
3. Biochemistry of metabolism (laboratory) to medical, dental and pharmacy MD student in Shiraz University of Medical Sciences, Shiraz, Iran, science 2014 to 2018.
4. Basic biochemistry laboratory to medical laboratory student in Department of Medical Laboratory Sciences, School of Allied Medical Sciences, Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran, science 2022 until now.
5. clinical biochemistry laboratory to medical laboratory student in Department of Medical Laboratory Sciences, School of Allied Medical Sciences, Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran, science 2022 until now.
6. Medical biochemistry to medical laboratory student in Department of Medical Laboratory Sciences, School of Allied Medical Sciences, Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran, science 2022 until now.
7. Clinical biochemistry to BSc Anesthesiology student in Department of Anesthesiology, School of Allied Medical Sciences, Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran 2022 until now.

D. Published Articles:

1. Tajik J, Nazifi S, Heidari M, Babazadeh M. Serum concentrations of haptoglobin and serum amyloid A in water buffaloes (*Bubalus bubalis*) with abomasal ulcer. In *Veterinary Research Forum 2012* (Vol. 3, No. 3, p. 209). Faculty of Veterinary Medicine, Urmia University, Urmia, Iran.
2. Tajik J, Nazifi S, Heidari M, Babazadeh M. Serum concentrations of haptoglobin and serum amyloid A in water buffaloes (*Bubalus bubalis*) with abomasal ulcer. In *Veterinary Research Forum 2012* (Vol. 3, No. 3, p. 209). Faculty of Veterinary Medicine, Urmia University, Urmia, Iran.
3. Tajik J, Tafti AK, Heidari M, Babazadeh M. Prevalence, histopathological, and some epidemiological aspects of abomasal ulcers in water buffalo (*Bubalus bubalis*) in Iran. *Comparative Clinical Pathology*. 2013 Mar; 22:271-5.
4. Pourjafar M, Badiei K, Sharifiyazdi H, Chalmeh A, Naghib M, Babazadeh M, Mootabi Alavi A, Hosseini Joshani-zadeh N. Genetic characterization and phylogenetic analysis of *Trypanosoma evansi* in Iranian dromedary camels. *Parasitology Research*. 2013 Feb; 112:899-903.
5. Babazadeh M, Mehrabani D, Tanideh N, Ashraf MJ, Hoseinzadeh S, Tamaddon A, Heidari M, Kuhi O, Parvin F. Histopathological Evaluation of Adipose-Derived Mesenchymal Stem Cell on Cartilage Defects of Knee in Male Rabbits. *Cell Journal (Yakhteh)*. 2013 Jun 2; 15.

6. Babazadeh M, Tanideh N, Mehrabani D, Lotfi M, Ahrari S, Hoseizadeh S, Tamaddon A, Heidari M, Kuhi O, Parvin F. MRI Evaluation for Repairing Effects of Adipose-Derived Stem Cells on Cartilage Defects of Rabbit Knee Joints. *Cell Journal (Yakhteh)*. 2013 Jun 2; 15.
7. CHALMEH A, POURJAFAR M, BADIEI K, NAZIFI S, HEIDARI S, HEIDARI M, BABAZADEH M. Alterations in electrocardiographic parameters and serum cardiac biomarkers in an ovine experimental endotoxemia model. *İstanbul Üniversitesi Veteriner Fakültesi Dergisi*. 2014 Jul 7; 40(2):211-9.
8. Babazadeh M, Sharifiyazdi H, Moazeni M, Gorjipour S, Heidari M. Molecular characterization of a new microvariant of the G3 genotype for *Echinococcus granulosus* in water buffalo in Iran. In *Veterinary Research Forum 2015* (Vol. 6, No. 1, p. 83). Faculty of Veterinary Medicine, Urmia University, Urmia, Iran.
9. Oryan A, Sarchahi AA, Tafti AK, Namazi F, Kish GF, Babazadeh M. Canine nasal neuroendocrine carcinoma: case report with a brief review of the literature. *Comparative Clinical Pathology*. 2015 Sep; 24:1257-9.
10. Mehrabani D, Babazadeh M, Tanideh NA, Zare S, Hoseinzadeh S, Torabinejad S, Koochi-Hosseini O. The healing effect of adipose-derived mesenchymal stem cells in full-thickness femoral articular cartilage defects of rabbit. *International Journal of Organ Transplantation Medicine*. 2015; 6(4):165.
11. Mokarram P, Alizadeh P, Saeb S, Rahmani-Kukia N, Siri M, Babazadeh M (2021) Effects of Vitamin A and D on DNA Methyltransferases 3A and 3B Expression and Neural Stem Cell Differentiation. *J Leuk*. 9(8): 270.
12. Mokarram P, Zamani M, Babazadeh M, Rahmani-Kukia N, Rahimi M, Hosseini SV. Isolation Set-up and Characterization of cancer stem cells from HT29 colon cancer cell line. *Iranian Journal of Colorectal Research*. 2021 Sep 1; 9(3):103-8.
13. Babazadeh M, Zamani M, Mehrbod P, Mokarram P. The Comparative Role of BAMLET and 5-Fluorouracil in Colorectal Cancer Cells by Targeting WNT/β-Catenin Pathway. *International Journal of Cancer Management*. 2022 Sep 30; 15(9).
14. Jorairahmadi S, Javaherforooshzadeh F, Babazadeh M, Gholizadeh B, Bakhtiari N. Comparison of nebulized versus intravenous milrinone on reducing pulmonary arterial pressure in patients with pulmonary hypertension candidate for open-cardiac surgery: A double-blind randomized clinical trial. *Anesthesiology and Pain Medicine*. 2022 Jun; 12(3).
15. Heydarian M, Mohammadtaghizadeh M, Shojaei M, Babazadeh M, Abbasian S, Amrovani M. The effect of COVID-19 derived cytokine storm on cancer cells progression: double-edged sword. *Molecular Biology Reports*. 2021 Oct 16:1-1.
16. Babazadeh M, Zamani M, Mehrbod P, Mokarram P. Stemness targeting of colorectal cell lines mediated by BAMLET and 5-Flourouracil. *Biochemical and Biophysical Research Communications*. 2023 Jul 5; 664:136-41.

E. Research Projects:

1. The Healing Effect of Adipose-Derived Mesenchymal Stem Cells in Full-thickness Femoral Articular Cartilage Defects of Rabbit, 2013, stem cell research center, Shiraz University of Medical Sciences, Shiraz, Iran.
2. Isolation Set-up and Characterization of cancer stem cells from HT29 colon cancer cell line. 2018, colorectal research center, Shiraz University of Medical Sciences, Shiraz, Iran.
3. The Comparative Role of BAMLET and 5-Fluorouracil in Colorectal Cancer Cells, 2019, Autophagy Research Center, Shiraz University of Medical Sciences, Shiraz, Iran.
4. Comparison effect of nebulized milrinone and intravenous milrinone in patients with pulmonary hypertension who candidate of open-heart surgery, 2020, pain research center, Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran.
5. Effects of induction of anesthesia with etomidate on cardiovascular miR-21, miR-146a / b and miR-155 and evaluation of IL-6, IL-8, and TNF-a levels in patients undergoing coronary artery bypass graft surgery, 2021, pain research center, Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran.
6. Evaluation of the effect of lymphocyte, platelet, monocyte and blood transfusion for acute renal failure and atrial fibrillation after open-heart surgery, 2021, pain research center, Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran.

F. National and International Congresses, Conferences and Seminars (Presenting Posters and Speeches)

1. The first international student congress of cellular and molecular medicine, Iran, 2010.
2. The fourth conference on principles of stem cell theory, Iran, 2011.
3. Scientific seminar on common diseases of humans and pets, Iran, 2011.
4. The 17th Iranian Veterinary Congress, case report of squamous cell carcinoma in the head area of a Bakhtiari ram, Iran, 2012.
5. The 17th Iranian Veterinary Congress, A case report of visceral leishmaniasis with ocular manifestations in a Dachshund dog, Iran, 2012.
6. The 17th Iranian Veterinary Congress, Investigating the genetic characteristics of a new microvariant of G3 strain in water buffalo, Iran, 2012.
7. 2nd International congress of veterinary pharmacology. Ivermectin intoxication on two Holstein dairy calves, Iran, 2012.
8. 2nd International congress of veterinary pharmacology. First report of metoclopramide toxicity in a Holstein dairy cow, 2012.
3. 1st international biotechnology world congress. Phylogenic analysis of Trypanosoma Evanci in Iranian camelus dromedaries, 2012.
4. 9th Royan International Congress on stem cell biology & technology, Histopathological evaluation of adipose derived mesenchymal stem cells on cartilage defects of knee in male rabbit, 2013.

5. 9th Royan International Congress on stem cell biology & technology, MRI evaluation for repairing effect of adipose-derived stem cells on cartilage defect of rabbit knee joint, 2013.

G. Professional Skills and Techniques

1. Cell culture

- Mouse mesenchymal stem cell isolation and culture and differentiation to neural cell
- Embryonic stem cell MEF isolation and culture
- Bone marrow mesenchymal stem cell isolation and culture
- Cancer stem cell isolation and culture
- Mesenchymal stem cell derived adipose tissue isolation and culture

2. Real time PCR, primer design

3. Electrophoresis & Western Blot

4. Flow cytometry

5. Experimental animal handling

6. Master Academic Writing

7. Software

- END NOTE
- GRAPH PAD PRISM
- SPSS
- SASS

H. Workshop

1. Mouse mesenchymal stem cell isolation and culture and differentiation to neural cell, Royan Institute, Isfahan, Iran, 2008.
2. Bone marrow mesenchymal stem cell isolation and culture, Royan Institute, Tehran, Iran, 2009.
3. Educational course on principles of scientific writing, proposal, thesis, summary of article and full article, School of Veterinary Medicine, Shiraz University, Shiraz, Iran, 2011.
4. EDN NOTE software, School of Veterinary Medicine, Shiraz University, Shiraz, Iran, 2011.
5. GRAPH PAD PRISM software, School of Veterinary Medicine, Shiraz University, Shiraz, Iran, 2012.
6. SPSS software, School of Veterinary Medicine, Shiraz University, Shiraz, Iran, 2012.
7. SASS software, biotechnology research center, Shiraz University, Shiraz, Iran, 2012.
8. Embryonic stem cell MEF isolation and culture, transgenic animal and stem cell research center, Shiraz University of Medical Sciences, Shiraz, Iran, 2012.
9. Bone marrow mesenchymal stem cell isolation and culture, transgenic animal and stem cell research center, Shiraz University of Medical Sciences, Shiraz, Iran, 2012.
10. Real time PCR and electrophoresis, Shiraz University, Shiraz, Iran, 2012.
11. Flow cytometry, Shiraz University of Medical Sciences, Shiraz, Iran, 2013.

12. Master Academic Writing, Shiraz University of Medical Sciences, Shiraz, Iran, 2013.
13. Safety and protection training workshop in bio-medical laboratories, Shiraz University of Medical Sciences, Shiraz, Iran, 2016.
14. Quality control in medical diagnosis laboratory, Shiraz University of Medical Sciences, Shiraz, Iran, 2016.
15. Quality control in clinical laboratory workshop, Shiraz University of Medical Sciences, Shiraz, Iran, 2017.
16. Principles of primer design for real-time PCR workshop, Shiraz University of Medical Sciences, Shiraz, Iran, 2017.
17. Principle of Real-time PCR, Shiraz University of Medical Sciences, Shiraz, Iran, 2017.
18. Principle of Flow cytometry, Shiraz University of Medical Sciences, Shiraz, Iran, 2017.
19. Cancer stem cell isolation and culture, Royan Institute, Tehran, Iran, 2018.
20. Curriculum evaluation, Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran, 2022.
21. Student evaluation, Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran, 2022.
22. Teaching method, Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran, 2022.
23. Educational design of curriculum, Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran, 2022.
24. Ethics, Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran, 2022.
25. Virtual education, Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran, 2022.
26. Educational media, Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran, 2022.
27. Principles of teaching and learning, Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran, 2022.
28. Employment administrative regulations, Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran, 2022.
29. Interactive teaching, Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran, 2022.
30. Gigalib scientific information resource supply system, Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran, 2023.
31. SPSS software, Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran, 2023.
32. Scientific paper writing, Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran, 2023.
33. Entrepreneurship, Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran, 2023.
34. Liver laboratory tests, Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran, 2023.

I. Journal club presentation

- ❖ Calculated lipid indices in assessing cardiovascular risk, Department of Laboratory Sciences, School of Allied Medical Sciences, Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran, 2023.

J. Research Interests

1. Mesenchymal and cancer stem cell
2. Signaling pathway
3. Apoptosis
4. Cell surface markers
5. Cardiovascular risk assessing
6. Metabolic syndrome
7. Diabetes

K. Administrative activity

1. Head of the Student Research Committee, School of Allied Medical Sciences, Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran science 2022 until now.
2. Head of the research committee in education (EDO) , School of Allied Medical Sciences, Ahvaz Jundishapur University of Medical Sciences, Ahvaz, Iran science 2022 until now.