



Ali Pirsadeghi

CONTACTS

📍 Department of Biochemistry,
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Technical Skills

- Lab techniques (Internship)
- NGS data analysis
- R programming
- Cell culture, Gene expression
- Quantitative Real Time PCR
- MTT
- Primer design, Animal work
- Graphic design with adobe
illustrator and photoshop
- 10 fingers typing

A Number of Completed Courses

- Hospital internship (score: 19/20)
- Lipid, protein, carbohydrates
metabolism (score: 18.25/20)
- Laboratory methods and user cognition
(score: 18.2/20)
- Biochemistry of hormones and tumors
(score: 16.2/20)
- Clinical Biochemistry (score: 16.1/20)
- **Overall Score: 17.3/20**

MSc of biochemistry

ACADEMIC EDUCATION

M.S., 2021 - Present

Ahvaz Jundishapur University of Medical Sciences
Major in Biochemistry

Thesis project:

The effect of umbilical cord tissue-derived stromal cells
conditioned medium on the response to gemcitabine drug in
alginate encapsulated glioblastoma 3D model

B.S., 2017 - 2021

Rafsanjan University of Medical Sciences
Major in Medical laboratory sciences GPA: 3.52

Soft Skills

My first experience as secretary of the Student Research
Committee (SRC) in one of the largest cities in Iran was
accompanied by our top rank among other SRCs. We
successfully organized 14 workshops, including two
international ones with France and Germany. All activities
within the SRC were voluntary, and we learned to be flexible in
responding to urgent needs from our team members. Adapting
to frequent budget limitations compelled us to find creative
solutions to the issues we encountered. We also shared our
knowledge with the new SRC team to ensure the sustainability
of our efforts.

Papers

1. **Pirsadeghi, A.**, Namakkoobi, N., Behzadi, M. S., Pourzinolabedin, H., Askari, F., Shahabinejad, E., ... & Kamrani, M. H. (2024). Therapeutic approaches of cell therapy based on stem cells and terminally differentiated cells: Potential and effectiveness. *Cells & Development*, 203904.
2. Bahreiny, S. S., Ahangarpour, A., Amraei, M., Mansouri, Z., **Pirsadeghi, A.**, Kazemzadeh, R., ... & Dabbagh, M. R. (2024). Autoimmune Thyroid Disorders and Polycystic Ovary Syndrome: Tracing Links through Systematic Review and Meta-Analysis. *Journal of Reproductive Immunology*, 104215.
3. Bagheri-Hosseiniabadi, Z., **Pirsadeghi, A.**, Ostadebrahimi, H., Sharifi, G. T. K., & Abbasifard, M. (2023). Correlation of iron and related factors with disease severity and outcomes and mortality of patients with Coronavirus disease 2019. *Journal of Trace Elements in Medicine and Biology*, 80, 127285.
4. Bagheri-Hosseiniabadi Z, **Pirsadeghi A**, Rahnama A, Bahrehmand F, Abbasifard M. Is there any relationship between serum zinc levels and angiotensin-converting enzyme 2 gene expression in patients with coronavirus disease 2019?. *Meta Gene*. 2022 Feb 1;31:100991.
5. Rahimi Mehdi Abad F, Khalili P, Jalali F, **Pirsadeghi A**, Esmaeili Nadimi A, Manshoori A, Jalali Z. Maternal opioid use is reflected on leukocyte telomere length of male newborns. *Plos one*. 2021 Dec 17;16(12):e0261013..
6. Yousefi-Ahmadipour A, Asadi F, **Pirsadeghi A**, Nazeri N, Vahidi R, Abazari MF, Afgar A, Mirzaei-Parsa MJ. Current status of stem cell therapy and nanofibrous scaffolds in cardiovascular tissue engineering. *Regenerative Engineering and Translational Medicine*. 2021 Oct 26:1-21.

Books

- Yousefi-Ahmadipour, A., Pirsadeghi, A., Allahverdi, A., & Asadi, F. (2024). Pancreatic cancer and stem cell. In *Cancer Stem Cells and Signaling Pathways* (pp. 363-379). Academic Press.

Current Projects

- An Artificial intelligence study on the multiple Vancomycin-loaded nanoparticles synthesis
- Study of the effects of conditioned medium (CM) and extracts of adipose-derived mesenchymal stem cell on proliferation, development and the expression of cancer-related genes in glioblastoma multiforme cell lines, U251 and U87
- The effect of conditioned medium and extracts of MCF-7 and MDAMB-123 breast cancer cells on adipose-derived mesenchymal stem cells

PARTICIPATED WORKSHOPS

1. Next generation sequencing data analysis
2. R programming
3. Linux Programming
4. Designing a graphical abstract with Illustrator
5. Proposal Writing Workshop
6. EndNote & Mendeley Workshop
7. SPSS Workshop
8. Basic and advanced Search Workshop
9. Bioinformatics Workshop
10. Primer Design Workshop
11. Laboratory Animal Workshop (Rat & Mouse)
12. Scientific Writing Workshop
13. Poster Design Workshop

CONGRESSES & CONFERENCES

- Congress Judge in the 8th Students research Congress of the Southwest of the Country And 2nd Internal Congress of the Shoushtar Faculty of Medical Sciences. Feb. 2023
- Virtual 13th International Congress of Medical Laboratory and Clinic. Feb. 2022 (poster presentation)
- 5th national congress of student research committee of rafsanjan university of medical sciences. Dec. 2019 (oral presentation)

HONORS AND AWARDS

- Selected as the 2nd team of idea challenge on stem cells and neurological diseases. Sep. 2022
- Rank 45 in the clinical biochemistry exam of the Ministry of Health. Aug. 2021
- Selected as the 2nd best oral presentation of the 5th national congress of student research committee of rafsanjan university of medical sciences. Dec. 2019

MEMBERSHIPS

- Director of Student Research Committee of the Medical Faculty, Ahvaz Jundishapur University of Medical sciences (2022-2024)
- Secretary of the Research Working Group of USERN Office, Universal Scientific Education and Research Network, Ahvaz Jundishapur University of medical sciences (2022-NOW)
- Member of the Executive Team of the 1th international USERN symposium on AIDS (2022)
- Director in charge of Diagnosis Outcome Journal of Medical Laboratory Science Association, Rafsanjan University of Medical Sciences (2020)
- Editor-in-Chief of Diagnosis Outcome Journal of Medical Laboratory Science Association, Rafsanjan University of Medical Sciences (2020)
- Member of the Student Research Committee of the Medical Faculty, Rafsanjan University of Medical Sciences (2018-2020)
- Member of the Executive Team (Secretariat) of the 5th national congress of student research committee of rafsanjan university of medical sciences (2019)
- Secretary of the Research Working Group of the Scientific Association of Medical Laboratory Sciences, Rafsanjan University of Medical Sciences (2019)

LANGUAGE PROFICIENCY

Persian (Native language)

English (Upper intermediate)

German (Elementary Proficiency)

References

Dr. Aliakbar Yousefi

PhD in Applied Cell Sciences, Assistant Professor, Dept. of Immunology and Infectious Diseases Research Center, School of Para-medicine, Rafsanjan University of Medical Sciences, Rafsanjan, Iran.

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