

# Zeinab Zarei-Behjani Curriculum Vitae

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## **Personal information:**

Zeinab Zarei-Behjani (Assistant professor)

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## **Educations:**

2014-2019: Doctor of philosophy (PhD), Department of Tissue Engineering and Applied Cell Sciences, The School of Advanced Technologies in Medicine (SATiM), Tehran University of Medical Sciences (TUMS), Tehran, Iran.

2010-2014: Master of Science (MSc), Cellular and molecular biology, Department of Biology, Faculty of basic sciences, Mohaghegh- Ardabili University, Ardabil, Iran.

2002-2006: Bachelor of Science (BSc), Marin Biology, Department of Biology, Faculty of basic sciences, Guilan University, Rasht, Iran

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## **Research interests:**

Regenerative medicine

Cell and gene therapy

Cell biology

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## **Position:**

Department of Tissue Engineering and Applied Cell Sciences, School of Advanced Medical Sciences and Technologies, Shiraz University of Medical Sciences, Shiraz, Iran.

## **Publications:**

### **Articles:**

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- 1- Hosseinzadeh S, Zarei Z, Esna-ashari S, Soleimani M. Cell interactions under controlled of surface substrate. Journal of Applied Tissue Engineering. 2016;3(1):6-24.

- 2- Payab M, Goodarzi P, Foroughi Heravani N, Hadavandkhani M, Zarei Z, Falahzadeh K, Larijani B, Rahim F, Arjmand B. Stem cell and obesity: current state and future perspective. *Cell Biology and Translational Medicine*, Volume 2. 2018:1-22.
- 3- Behjani ZZ, Ai J, Soleimani M, Atashi A, Taheri B, Ebrahimi-Barough S, Siavashi V, Shirian S, Hamidieh AA. Human unrestricted somatic stem cells ameliorate sepsis-related acute lung injury in mice. *Journal of Cellular Physiology*. 2019 Aug;234(8):13942-50.
- 4- Zarei-Behjani Z, Soleimani M, Atashi A, Ebrahimi-Barough S, Ai J, Hamidieh AA. Tracking of GFP-labeled unrestricted somatic stem cells transplanted in the sepsis mouse model. *Tissue and Cell*. 2019 Oct 1;60:33-7.
- 5- Shafiee A, Kehtari M, Zarei Z, Soleimani M, Varshochian R, Ahmadi A, Atyabi F, Dinarvand R. An in situ hydrogel-forming scaffold loaded by PLGA microspheres containing carbon nanotube as a suitable niche for neural differentiation. *Materials Science and Engineering: C*. 2021 Jan 1;120:111739.
- 6- Esmaili E, Malaie-Balasi Z, Kabiri M, Khojasteh A, Mohamadyar-Toupkanlou F, Sadeghzadeh N, Zarei-Behjani Z, Hosseinzadeh S. Optimization of Nanoclay/Polyacrylonitrile Scaffold Using Response Surface Method for Bone Differentiation of Human Mesenchymal Stem Cells. *ASAIO Journal*. 2021 Feb 1;67(10):1176-85.
- 7- Hosseinzadeh S, Zarei-Behjani Z, Bohlouli M, Khojasteh A, Ghasemi N, Salehi-Nik N. Fabrication and optimization of bioactive cylindrical scaffold prepared by electrospinning for vascular tissue engineering. *Iranian Polymer Journal*. 2021 Oct 23:1-5.
- 8- Hajmohammadi Z, Fattahi R, Zarei-Behjani Z, Hosseinzadeh S. Carbon nanoparticles for medicine: current and future. *Bulletin of Materials Science*. 2022 Mar;45(1):1-9.

**Books:**

Stem cell in regenerative medicine (in Persian), 2019, Chapters: 4, 5, 12 and 18

**Presentations:**

Tracking of GFP-labeled unrestricted somatic stem cells in the sepsis model, 1th

Annual TPCF Preclinical Imaging Symposium, 2018