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Transplant Research Center  
Shiraz University of Medical Sciences  
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## Education & Training:

<b>Medical School:</b>	Shiraz University of Medical Sciences School of Medicine, Shiraz, Iran	1989 -1996
<b>Residency:</b>	Shiraz University of Medical Sciences (Surgical & Clinical Pathology)	1998-2002
<b>Training course:</b>	Department of Diabetes, Endocrinology and Metabolism, City of Hope and Beckman Research Institute, California, USA	2011

## Current Positions:

Professor of Pathology	Aug 2014
Head of Research Tower Shiraz University of Medical Science	2020
Head of Institute for stem cell and Regenerative Medicine. Shiraz University of Medical Science	2017-2021
Research Vice - Dean in Research Affair of Transplant Research Center Shiraz University of Medical Science	2006-2020
Director of Human Islet Cell Isolation Program Shiraz University of Medical Science	2012-2020
Active member of Human Hepatocyte Isolation Program Shiraz University of Medical Science	2012-2020
Reviewer member of Stem cell, pathology and cancer committee of NIMAD (National Institute for Medical Research and Development)	2015-2020

### **Previous Positions:**

Assistant Professor of Pathology, Shiraz University of Medical Science, Shiraz, Iran  
2005-09

Associate Professor of Pathology, Shiraz University of Medical Science, Shiraz, Iran  
2009-14

### **Licensure and Certification:**

Iranian Board of Pathology, Surgical & Clinical Pathology 2002

### **Honors and Awards:**

Third rank as the distinguished researchers in Shiraz University of Medical Sciences, Shiraz, Iran	2009
Active researcher In Shiraz University of Medical Sciences	2010
4 <sup>th</sup> rank as the distinguished researcher in Shiraz University of Medical Sciences, Shiraz, Iran	2011
2 <sup>ND</sup> rank as the distinguished researcher in Shiraz University of Medical Sciences, Shiraz, Iran	2012
Distinguished researcher in Shiraz University of Medical Sciences, Shiraz, Iran	2013
Selected Researcher of Shiraz University of Medical Sciences, Shiraz, Iran	2014
Third rank as the distinguished researchers in Shiraz University of Medical Sciences, Shiraz, Iran	2017
Distinguished researcher in Shiraz University of Medical Sciences, For Highly cited paper (ESI)	2019
Distinguished researcher in Shiraz University of Medical Sciences	2020

**Associate Editor of Gene journal**

**Guest Reviewer:** Gene  
Molecular Biology Report  
Disease markers,  
Hepatitis monthly  
BMC Res Notes  
Diagn Cytopathol,  
Biochem Pharmacol  
Pharmacological repo  
Iranian Journal of Immunology  
International Journal of Organ Transplantation Medicine  
Saudi Medical Journal  
PLOS ONE ,  
Diagnostic cytopathology  
Cytotechnology  
BMC gastroenterology  
Transplant Immunology  
Viral Immunology  
World journal of surgical oncology

## Publications:

Haniyeh Najafi, Ali Mohammad Tamaddon, Samira Abolmaali, Sedigheh Borandeh, Negar Azarpira Structural, mechanical, and biological characterization of hierarchical nanofibrous Fmoc-phenylalanine-valine hydrogels for 3D culture of differentiated and mesenchymal stem cells *Soft Matter*. 2021 Jan 7;17(1):57-67

Shahrokh Lorzadeh , Leila Kohan , Saeid Ghavami , Negar Azarpira Genetic Polymorphism of HLA-G 14-bp Insertion/Deletion in Pancreas Transplant Recipients and Its Association With Type 1 Diabetes Mellitus Autophagy and the Wnt signaling pathway: A focus on Wnt/ $\beta$ -catenin signaling *Biochim Biophys Acta Mol Cell Res* . 2021 Mar;1868(3):118926.

Kamyar Iravani , Soheila Mehravar , Mohsen Bahador , Negar Azarpira The Healing Effect of Amniotic Membrane in Laryngeal Defects in Rabbit Model. *Laryngoscope* . 2021 Feb;131(2):E527-E533

Fatemeh Sabet Sarvestani , Negar Azarpira. microRNAs Alterations of Myocardium and Brain Ischemia-Reperfusion Injury: Insight to Improve Infarction. *Immunol Invest* . 2020 Oct 7;1-22.

Nader Tanideh , Negar Azarpira, Najmeh Sarafraz , Shahrokh Zare Poly(3-Hydroxybutyrate)-Multiwalled Carbon Nanotubes Electrospun Scaffolds Modified with Curcumin. *Polymers (Basel)* . 2020 Nov 4;12(11):2588.

Arman Jafari, Armin Amirsadeghi , Shadi Hassanajili , Negar Azarpira . Bioactive antibacterial bilayer PCL/gelatin nanofibrous scaffold promotes full-thickness wound healing. *Int J Pharm*. 2020 Jun 15;583:119413.

Golara Nasiri , Negar Azarpira , Aliakbar Alizadeh , Sanaz Goshtasbi , Lobat Tayebi . Shedding light on the role of keratinocyte-derived extracellular vesicles on skin-homing cells. *Stem Cell Res Ther* . 2020 Sep 29;11(1):421.

Hamidreza Totonchi , Ramazan Rezaei , Shokoofe Noori , Negar Azarpira , Pooneh Mokarram Vitamin D Receptor Gene Polymorphisms and the Risk of Metabolic Syndrome (MetS): A Meta-Analysis. *Endocr Metab Immune Disord Drug Targets* . 2020 Aug 4.

Mohammad Mehdi Ommati , Hossein Niknahad , Omid Farshad, Negar Azarpira , Reza Heidari .In Vitro and In Vivo Evidence on the Role of Mitochondrial Impairment as a Mechanism of Lithium-Induced Nephrotoxicity. *Biol Trace Elem Res* . 2020 Jul 25.

Afsoon Afshari, Sara Shamdani, Georges Uzan, Sina Naserian, Negar Azarpira . Different approaches for transformation of mesenchymal stem cells into hepatocyte-like cells. *Stem Cell Res Ther*. 2020 Feb 7;11(1):54.

Somayeh Keshtkar, Maryam Kaviani, Zahra Jabbarpour, Ismail H Al-Abdullah, Negar Azarpira, Significant reduction of apoptosis induced via hypoxia and oxidative stress in isolated human islet by resveratrol *Nutr Metab Cardiovasc Dis* . 2020 Jun 25;30(7):1216-1226.

Khadijeh Mousavi , Hossein Niknahad , Amin Ghalamfarsa, Hamidreza Mohammadi , Negar Azarpira, Mohammad Mehdi Ommati Taurine mitigates cirrhosis-associated heart injury through mitochondrial-dependent and antioxidative mechanisms *Clin Exp Hepatol* . 2020 Sep;6(3):207-219.

Seyed Mohammad Tahami, Amir Aminian, Negar Azarpira .Experimental Study on Protective Role of NSAID on Articular Cartilage Destruction in Septic Arthritis *Arch Bone Jt Surg* . 2020 Jan;8(1):89-93.

Asma Siavashpour , Bahman Khalvati Poly (ADP-Ribose) polymerase-1 (PARP-1) overactivity plays a pathogenic role in bile acids-induced nephrotoxicity in cholestatic rats. *Toxicol Lett* . 2020 May 16;330:144-158. doi: 10.1016/j.toxlet.2020.05.012

Firoozeh Estakhri , Mohammad Reza Panjehshahin , Nader Tanideh , Rasoul Gheisari , Amir Mahmoodzadeh , Negar Azarpira , Nasser Gholijani. The effect of kaempferol and apigenin on allogenic synovial membrane-derived stem cells therapy in knee osteoarthritic male rats *Knee* . 2020 Jun;27(3):817-832.

Marzieh Rashedinia, Mahshid Alimohammadi, Negar Azarpira, Zahra Sabahi. Neuroprotective Effect of Syringic Acid by Modulation of Oxidative Stress and Mitochondrial Mass in Diabetic Rats *Biomed Res Int.* 2020 Dec 4;2020:8297984.

Elnaz Sadat Mirdamadi , Dianoosh Kalhori , Nima Zakeri, Negar Azarpira , Mehran Solati-Hashjin . Liver Tissue Engineering as an Emerging Alternative for Liver Disease Treatment. *Tissue Eng Part B Rev .* 2020 Apr;26(2):145-163. Mohammad Saied Salehi , Negar Azarpira 6, et al. Epidermal neural crest stem cell transplantation as a promising therapeutic strategy for ischemic stroke *CNS Neurosci Ther .* 2020 Jul;26(7):670-681

Farzaneh Zarghampoor , Abbas Behzad-Behbahani , Negar Azarpira , Saeed Reza Khatami , Maryam Fanian A Single Tube Overlap Extension PCR Method for Splicing of Multiple DNA Fragments. *Avicenna J Med Biotechnol.* Jan-Mar 2020;12(1):37-43.

Zahra Khodabandeh , Parisa Dolati , Mohammad Javad Zamiri , Davood Mehrabani, , Negar Azarpira Protective Effect of Quercetin on Testis Structure and Apoptosis Against Lead Acetate Toxicity: an Stereological Study. *Biol Trace Elem Res.* 2020 Oct 27

Fatemeh Sabet Sarvestani , Negar Azarpira , Ismail H Al-Abdullah , Ali-Mohammad Tamaddon . microRNAs in liver and kidney ischemia reperfusion injury: insight to improve transplantation outcome. *Biomed Pharmacother.* 2021 Jan;133:110944.

Asrin Emami , Tahereh Talaee-Khozani , Saeid Tavanafar , Nehleh Zareifard , Negar Azarpira , Zahra Vojdani Synergic effects of decellularized bone matrix, hydroxyapatite, and extracellular vesicles on repairing of the rabbit mandibular bone defect model. *J Transl Med .* 2020 Sep 22;18(1):361

Sareh Pandamooz , Arman Jafari , Mohammad S Salehi , Negar Azarpira , Leila Dargahi . Substrate stiffness affects the morphology and gene expression of epidermal neural crest stem cells in a short term culture. *Biotechnol Bioeng.* 2020 Feb;117(2):305-317..

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Mohammad Mehdi Ommati , Ali Amjadinia , Khadijeh Mousavi , Negar Azarpira , Akram Jamshidzadeh, Reza Heidari . N-acetyl cysteine treatment mitigates biomarkers of oxidative stress in different tissues of bile duct ligated rats. *Stress.* 2020 Jun 22;1-16..

Soha Namazi, Ebrahim Sahebi, Negar Azarpira, Javad Rostami-Yalmeh, Javad Kojuri, Andia Khalili Association of ABCB1 Gene Polymorphisms and Clopidogrel Responsiveness in Iranian Patients undergoing Percutaneous Coronary Intervention. *Iran J Pharm Res.* Spring 2020;19(2):307-316..

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Haniyeh Najafi , Ali Mohammad Tamaddon, Samira Abolmaali, Sedigheh Borandeh, Negar Azarpira Structural, mechanical, and biological characterization of hierarchical nanofibrous Fmoc-phenylalanine-valine hydrogels for 3D culture of differentiated and mesenchymal stem cells.. *Soft Matter.* 2021 Jan 7;17(1):57-67.

SystemSomayeh Keshtkar Maryam Kaviani, Zahra Jabbarpour, Fatemeh Sabet Sarvestani, Mohammad Hossein Ghahremani, Elaheh Esfandiari , Negar Azarpira Hypoxia-Preconditioned Wharton's Jelly-Derived Mesenchymal Stem Cells Mitigate Stress-Induced Apoptosis and Ameliorate Human Islet Survival and Function in Direct Contact Coculture .*Stem Cells Int.* 2020 Dec 17;2020:8857457.

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Meysam Nasiri , Mohammad-Hossein Karimi, Negar Azarpira, Iraj Saadat Gene Expression Profile of Toll-Like Receptor/Adaptor/Interferon Regulatory Factor/Cytokine Axis During Liver Regeneration After Partial Ischemia-Reperfusion Injury *Exp Clin Transplant.* 2020 Apr;18(2):215-223.

Sadegh Ghorbani-Dalini, Mani Ramzi, Heydar Aghababa, Meysam Sarshar, Najmeh Haghgoo, Negar Azarpira Protective Effect of HLA-E\*0101/\*0103 Genotype in Survival of Patients After Allogeneic Hematopoietic Stem Cell Transplant *Fatemeh Mardani Valandani Exp Clin Transplant.* 2020 Apr 7.

Sadegh Ghorbani-Dalini , Negar Azarpira , Mohammad Hossein Sangtarash , Hamid Reza Soleimanpour-Lichaei , Ramin Yaghobi , Shahrokh Lorzadeh , Alice Sabet , Meysam Sarshar , Ismail H Al-Abdullah Optimization of activin-A: a breakthrough in differentiation of human induced pluripotent stem cell into definitive endoderm. *Biotech.* 2020 May;10(5):215.

Sulmaz Kamalifar , Negar Azarpira, Ladan Sadeghi, Sadegh Ghorbani-Dalini, Seideh Masoomeh Nekoei, Mahdokht H Aghdaie, Elaheh Esfandiari, Mohamad Reza Azarpira ROCK Y-27632 Inhibitor, Ascorbic Acid, and Trehalose Increase Survival of Human Wharton Jelly Mesenchymal Stem Cells After Cryopreservation. *Exp Clin Transplant.* 2020 Aug;18(4):505-511.

Khashayar Shahin, Seyed Younes Hosseini 1, Negar Azarpira , Mastaneh Zeraatian The enhancing impact of amino termini of hepatitis C virus core protein on activation of hepatic stellate cells. *Gastroenterol Hepatol Bed Bench.* Winter 2020;13(1):57-63.

Tahereh Ranjbar , Ali Akbar Nekooeian , Nader Tanideh , Negar Azarpira. A comparison of the effects of Stevia extract and metformin on metabolic syndrome indices in rats fed with a high-fat, high-sucrose diet. *Food Biochem.* 2020 Aug;44(8):e13242.

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Pandamooz S, Jafari A, Salehi MS, Jurek B, Ahmadiani A, Safari A, Hassanajili S, Borhani-Haghighi A, Dianatpour M, Niknejad H, Azarpira N, Dargahi L. Substrate stiffness affects the morphology and gene expression of epidermal neural crest stem cells in a short term culture. *Biotechnol Bioeng.* 2020 Feb;117(2):305-317.

F RM, N Sattarahmadi, Azarpira N. Gold-Curcumin Nanostructure in Photo-thermal Therapy on Breast Cancer Cell Line: 650 and 808 nm Diode Lasers as Light Sources. *J Biomed Phys Eng.* 2019 Aug 1;9(4):473-482.

Bahmani S, Azarpira N, Moazamian E. Anti-colon cancer activity of Bifidobacterium metabolites on colon cancer cell line SW742. *Turk J Gastroenterol.* 2019 Sep;30(9):835-842.

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Mottaghi S, Azarpira N, Dehshahri A, Khalvati B, Namazi S. Evaluation of Angiotensinogen M235T and T174M Polymorphisms, Demographic and Clinical Factors in New-Onset Diabetes after Liver Transplantation in Iranian Patients. *Int J Organ Transplant Med.* 2019;10(3):137-147.

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Naeem EM, Sajad D, Talaei-Khozani T, Khajeh S, Azarpira N, Alaei S, Tanideh N, Reza TM, Razban V. Decellularized liver transplant could be recellularized in rat partial hepatectomy model. *J Biomed Mater Res A.* 2019 Nov;107(11):2576-2588. doi: 10.1002/jbm.a.36763

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