

## یاسر تهمتنی

دانشیار

محل خدمت: پژوهشگاه علوم سلوی (رویان)

### سوابق تحصیلی

دانشگاه	رشته و گرایش تحصیلی	سال اخذ مدرک	مقطع تحصیلی
دانشگاه خوارزمی	زیست شناسی تکوینی	۱۳۹۱	دکترای تخصصی

### اطلاعات استخدامی

پایه	نوع همکاری	نوع استخدام	عنوان سمت	محل خدمت
	تمام وقت	رسمی قطعی	رئیس گروه پژوهشی تحقیقات پایه و جمعیتی بیماری های غیرواگیر پژوهشگاه رویان	پژوهشگاه رویان

### سوابق اجرایی

مدیر گروه پژوهشی تحقیقات پایه و جمعیتی بیماری های غیرواگیر پژوهشگاه رویان

عضو هیئت علمی پژوهشگاه رویان

### مقالات در نشریات

1. Ghezelayagh, Z; Zabihi, M; (...); Tahamtani, Y, Improved Differentiation of hESC-Derived Pancreatic Progenitors by Using Human Fetal Pancreatic Mesenchymal Cells in a Micro-scalable Three-Dimensional Co-culture System, Stem Cell Reviews and Reports, 2022
2. Ashtiani, MK; Zandi, M; (...); Baharvand, H. Substrate-mediated commitment of human embryonic stem cells for hepatic differentiation. Journal of Biomedical Materials Research Part A, 2016
3. Zonooz, ER; Ghezelayagh, Z; (...); Tahamtani, Y, Protocol-dependent morphological changes in human embryonic stem cell aggregates during differentiation towards early pancreatic fate, Cells Tissues Organs, 2024
4. Nouri ,& Keshtkar, M; Shojaei Shahrokhbadi, M; (...); Totonchi, M, Role of gender in explaining metabolic syndrome risk factors in an Iranian rural population using structural equation modelling, SCIENTIFIC REPORTS, 2023
5. Nabavi, S.M., Karimi, S., Arab, L., (...), Hosseini, S.E., Vosough, M., Intravenous transplantation of bone marrow-derived mesenchymal stromal cells in patients with multiple sclerosis, a phase I/IIa, double blind, randomized controlled study, Multiple Sclerosis and Related Disorders, 2023
6. Jalili, A., Hajifathali, A., Aghdam, N., Sayahinouri, M, The golden doses of anti CD3/CD28 microbeads plus IL-15 promote expansion of specific T cells in human cytomegalovirus adaptive immunotherapy, Health Biotechnology and Biopharma, 2023

- Nabavi, S.M., Karimi, S., Arab, L., (...), Hosseini, S.E., Vosough, M., Intravenous transplantation .7  
of bone marrow-derived mesenchymal stromal cells in patients with multiple sclerosis, a phase  
.I/Ila, double blind, randomized controlled study, *Multiple Sclerosis and Related Disorders*, 2023  
Jalili, A., Hajifathali, A., Mohammadian, M., (...), Roshandel, E., Aghdami, N., Virus-Specific T .8  
Cells: Promising Adoptive T Cell Therapy Against Infectious Diseases Following Hematopoietic  
.Stem Cell Transplantation, *Advanced Pharmaceutical Bulletin*, 2023  
Jalili, A., Hajifathali, A., Aghdami, N., Sayahinouri, M., The golden doses of anti CD3/CD28 .9  
microbeads plus IL-15 promote expansion of specific T cells in human cytomegalovirus adaptive  
.immunotherapy, *Health Biotechnology and Biopharma*, 2023  
Nabavi, S.M., Karimi, S., Arab, L., (...), Hosseini, S.E., Vosough, M., Intravenous transplantation .10  
of bone marrow-derived mesenchymal stromal cells in patients with multiple sclerosis, a phase  
.I/Ila, double blind, randomized controlled study, *Multiple Sclerosis and Related Disorders*, 2023  
Kolahdouzmoammadi, M; Pahlavan, S; (...); Totonchi, M, Activation of AMPK promotes .11  
cardiac differentiation by stimulating the autophagy pathway, *Journal of Cell Communication and  
.Signaling*, 2023  
Daneshpazhouh, H; Roodbari, NH; (...); Dianatpour, M, Protective Effect of Docetaxel Against .12  
Autophagy- Related Genes in Vitrification of Mouse Metaphase II Oocytes, *Iranian Journal of  
.Medical Sciences*, 2023  
Noori, A; Dezfouli, MRM; (...); Tahamtani, Y, Decellularized Lung Extracellular Matrix Scaffold .13  
Promotes Human Embryonic Stem Cell Differentiation towards Alveolar Progenitors, *Cell Journal  
. (Yakhteh)*, 2023  
Rabiei, M; Kalhor, N; (...); Azarnia, M, Synthetic Small Molecules Induce Insulin Secretion and .14  
.Pancreatic Beta-Cell-Specific Gene Expression, *Cells Tissues Organs*, 2023  
Mehrzed, J; Salehi, TZ; (...); Malvandi, AM, Environmentally occurring aflatoxins B1 and M1 .15  
.notifyably harms pancreatic islets, *Toxin Reviews*, 2023  
Rezaei, M; Fooladi, P; (...); Ayyari, M, Investigation of Kelussia Odoratissima and Angelica .16  
Sinensis Similarities in Zebrafish-based In-vivo Bioactivity Assays and Their Chemical  
.Composition, *Galen Medical Journal*, 2023  
Nabi, S; Askari, M; (...); Totonchi, M, A rare frameshift mutation in SYCP1 is associated with .17  
.human male infertility, *Molecular Human Reproduction*, 2022  
Moazenchi, M; Nejad, ASH; (...); Hajizadeh ,& Saffar, E, Comparative Study of The Effects of .18  
Confounding Factors on Improving Rat Pancreatic Islet Isolation Yield and Quality, *Cell Journal  
. (Yakhteh)*, 2022  
Farhadi, A; Totonchi, M; (...); Shahpasand, K, P38 initiates degeneration of midbrain .19  
GABAergic and glutamatergic neurons in diabetes models, *European Journal of  
.Neuroscience*, 2022  
Nabi, S; Askari, M; (...); Totonchi, M, A rare frameshift mutation in SYCP1 is associated with .20  
.human male infertility, *Molecular Human Reproduction*, 2022  
Noori, A; Tahamtani, Y; (...); Chaleshtori, SS, TOWARDS ALVEOLAR PROGENITOR .21  
DIFFERENTIATION USING LUNG EXTRACELLULAR MATRICES-DERIVED HYDROGEL, *Tissue  
.Engineering Part A*, 2022  
Samsonchi, Z; Karimi, H; (...); Daemi, H, Title: Transplantation of Islet-Containing .22  
microcapsules modified with constitutional isomers of sulfated alginate in diabetic mice to  
.mitigate fibrosis for Long-term glycemic control, *Chemical Engineering Journal*, 2022  
Samsonchi, Z; Karimi, H; (...); Daemi, H, Transplantation of Islet-Containing microcapsules .23  
modified with constitutional isomers of sulfated alginate in diabetic mice to mitigate fibrosis for  
.Long-term glycemic control, *Chemical Engineering Journal*, 2022  
Karami, F; Abibeiglou, BA; (...); Tahamtani, Y, Enhanced characterization of beta cell mass in a .24  
.Tg(Pdx1- GFP) mouse model, *BIOIMPACTS*, 2022  
Nouri ,& Keshtkar, M; Taghizadeh, S; (...); Tahamtani, Y, Potential Impact of Diabetes and .25

- Obesity on Alveolar Type 2 (AT2)-Lipofibroblast (LIF) Interactions After COVID-19  
.Infection,Frontiers in Cell and Developmental Biology,2021
- Ghezelayagh, Z; Zabihi, M; (...); Tahamtani, Y,Recapitulating pancreatic cell-cell interactions .26  
through bioengineering approaches: the momentous role of non-epithelial cells for diabetes cell  
.therapy,Cellular and Molecular Life Sciences,2021
- Pahlavanneshan, S; Behmanesh, M; (...); Baharvand, H,Induction of beta Cell Replication by .27  
Small Molecule-Mediated Menin Inhibition and Combined PKC Activation and TGF-beta Inhibition  
.as Revealed by A Refined Primary Culture Screening,Cell Journal (Yakhteh),2021
- Navabi, R; Negahdari, B; (...); Baharvand, H,Combined therapy of mesenchymal stem cells .28  
with a GLP-1 receptor agonist, liraglutide, on an inflammatory-mediated diabetic non-human  
.primate model,Life Sciences,2021
- Salehpour, A; Rezaei, M; (...); Tamadon, A,Which Hyperglycemic Model of Zebrafish (Danio .29  
rerio) Suites My Type 2 Diabetes Mellitus Research? A Scoring System for Available  
.Methods,Frontiers in Cell and Developmental Biology,2021
- Dezfouli, MRM; Chaleshtori, SS; (...); Tahamtani, Y,Hydrocortisone Promotes Differentiation of .30  
Mouse Embryonic Stem Cell-Derived Definitive Endoderm toward Lung Alveolar Epithelial Cells  
.(vol 20, pg 469, 2019)Cell Journal (Yakhteh),2021
- Taei, A; Samadian, A; (...); Baharvand, H,Suppression of p38-MAPK endows endoderm .31  
propensity to human embryonic stem cells,Biochemical and Biophysical Research  
.Communications,2020
- Pahlavanneshan, S; Behmanesh, M; (...); Baharvand, H,Combined inhibition of menin-MLL .32  
interaction and TGF-beta signaling induces replication of human pancreatic beta cells,European  
.Journal of Cell Biology,2020
- Vakilian, M; Tahamtani, Y and Ghaedi, K,A review on insulin trafficking and .33  
.exocytosis,Gene,2019
- Pourghadamayari, H; Rezaei, M; (...); Baharvand, H,Establishing a new animal model for .34  
.muscle regeneration studies,Molecular Biology Research Communications,2019
- Farhadi, A; Vosough, M; (...); Shahpasand, K,A Possible Neurodegeneration Mechanism .35  
.Triggered by Diabetes,Trends in Endocrinology and Metabolism,2019
- Soltanian, A; Ghezelayagh, Z; (...); Baharvand, H,Generation of functional human pancreatic .36  
organoids by transplants of embryonic stem cell derivatives in a 3D-printed tissue  
.trapper,Journal of Cellular Physiology,2019
- Pourghadamayari, H; Rezaei, M; (...); Baharvand, H,Generation of a Transgenic Zebrafish .37  
.Model for Pancreatic Beta Cell Regeneration,Galen Medical Journal,2019
- Dezfouli, MRM; Chaleshtori, SS; (...); Tahamtani, Y,Galen Medical Journal,Cell Journal .38  
. (Yakhteh),2019
- Izadi, Z; Hajizadeh ,& Saffar, E; (...); Baharvand, H,Tolerance induction by surface .39  
.immobilization of Jagged-1 for immunoprotection of pancreatic islets,Biomaterials,2018
- Saberzadeh ,& Ardestani, B; Karamzadeh, R; (...); Baharvand, H,Type 1 Diabetes Mellitus: .40  
.Cellular and Molecular Pathophysiology at A Glance,Cell Journal (Yakhteh),2018
- Basiri, M; Behmanesh, M; (...); Baharvand, H,The Convenience of Single Homology Arm Donor .41  
DNA and CRISPR/Cas9-Nickase for Targeted Insertion of Long DNA Fragment,Cell Journal  
. (Yakhteh),2017
- Dezfouli, MRM; Chaleshtori, SS; (...); Tahamtani, Y,The Therapeutic Potential of Differentiated .42  
Lung Cells from Embryonic Stem Cells in Lung Diseases,Current Stem Cell Research &  
.Therapy,2017
- Tavalaei, M; Kiani , Esfahani, A and Nasr , Esfahani, MH,Relationship between Potential .43  
Sperm Factors Involved in Oocyte Activation and Sperm DNA Fragmentation with Intra-  
.Cytoplasmic Sperm Injection Clinical Outcomes,Cell Journal (Yakhteh),2017
- Montazeri, L; Hojjati ,& Emami, S; (...); Baharvand, H,Improvement of islet engrafts by .44

- .enhanced angiogenesis and microparticle-mediated oxygenation,Biomaterials,2016  
Ashtiani, MK; Zandi, M; (...); Baharvand, H,Enhanced endodermal differentiation of human .45  
.embryonic stem cells on activin-tethered electrospun nanofibers,Human Gene Therapy,2016
- Ashtiani, MK; Zandi, M; (...); Baharvand, H,Substrate-mediated commitment of human .46  
embryonic stem cells for hepatic differentiation,Journal of Biomedical Materials Research Part  
.A,2016
- Hajizadeh ,& Saffar, E; Tahamtani, Y; (...); Baharvand, H,Inducible VEGF Expression by Human .47  
Embryonic Stem Cell-Derived Mesenchymal Stromal Cells Reduces the Minimal Islet Mass  
.Required to Reverse Diabetes,Scientific Reports,2015
- Khosravi , Maharlooei, M; Hajizadeh , Saffar, E; (...); Baharvand, H,Islet transplantation for .48  
.type 1 diabetes: so close and yet so far away,European Journal of Endocrinology,2015
- Ghasemi, M; Azarnia, M; (...); Tahamtani, Y,Protective effects of Ephedra pachyclada extract .49  
on mouse models of carbon tetrachloride- induced chronic and acute liver failure,Tissue and  
.Cell,2014
- Tahamtani, Y; Azarnia, M; (...); Baharvand, H,Stauprimide Priming of Human Embryonic Stem .50  
.Cells toward Definitive Endoderm,Cell Journal (Yakhteh),2014
- Tahamtani, Y; Azarnia, M; (...); Baharvand, H,Treatment of Human Embryonic Stem Cells with .51  
Different Combinations of Priming and Inducing Factors Toward Definitive Endoderm,Stem Cells  
.and Development,2013