



انسپه حاجی زاده صفار

دانشیار

محل خدمت: پژوهشگاه علوم سلولی (رویان)



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اطلاعات استخدامی

محل خدمت	عنوان سمت	نوع استخدام	نوع همکاری	پایه
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سوابق اجرایی

عضو هیأت علمی پژوهشگاه رویان

فعالیت های علمی و اجرایی

پژوهشگر جوان برگزیده IPITA/JDRF/HSCI در بوستون امریکا در سال 2016

پژوهشگر برگزیده انستیتو پاستور ایران در سال 2015

ایده برتر در سمینار توسعه و کاربرد سلولهای بنیادی معاونت فناوری ریاست جمهوری در سال 2013

ثبت 4 اختراع داخلی و خارجی

مقالات در نشریات

- Dabiri, H., Habibi, M., Anbouhi, M., Ziaei, V., (...), Sadeghizadeh, M., Hajizadeh, E., Saffar, E., Candidate Biomarkers for Targeting in Type 1 Diabetes; A Bioinformatic Analysis of Pancreatic Cell Surface Antigens, Cell Journal, 2024 1 1
- Dabiri, H., Sadeghizadeh, M., Ziaei, V., (...), Hajizadeh, E., Saffar, E., Habibi, M., Anbouhi, M., Development of an ostrich-derived single-chain variable fragment (scFv) against PTPRN extracellular domain, Scientific Reports, 2024
- Kashani, S.A., Navabi, R., Amini, A., (...), Hajizadeh, E., Saffar, E., Baharvand, H., Immunomodulatory potential of human clonal mesenchymal stem cells and their extracellular vesicle subpopulations in an inflammatory-mediated diabetic Rhesus monkey model, Life Sciences, 2023 9 15

- Soleymani, Goloujeh, M., Shekari, F., Hassani, S., N., Hajizadeh, Saffar, E., Preconditioning with IFN-gamma and LPS improves the immunomodulatory potential of bone marrow-derived clonal mesenchymal stem cells, *Health Biotechnology and Biopharma*, 7, 2023 9 1
- Tayebi, B., Molazem, M., Babaahmadi, M., (...), Hassani, S., N., Hajizadeh, Saffar, E., Comparison of Ultrasound-Guided Percutaneous and Open Surgery Approaches in The Animal Model of Tumor Necrosis Factor-Alpha-Induced Disc Degeneration, *Cell Journal*, 2023 5 1
- Kashef, M., Hajizadeh, Saffar, E., Salehpour, M., Moharamzadeh, S., Comparative Effect of Moderate-intensity Continuous Training (MICT) or High-intensity Interval Training (HIIT) on Some Structural Parameters of the Heart in Two Types of Animal Models of Pre-diabetes and Type 2 Diabetes, *Iranian Journal of Endocrinology and Metabolism*, 2023 4 1
- Babaahmadi, M., Tayebi, B., Gholipour, N.M., (...), Hajizadeh, Saffar, E., Hassani, S., N., Rheumatoid arthritis: the old issue, the new therapeutic approach, *Stem Cell Research and Therapy*, 2023 12 1
- Dabiri, H., Safarzadeh Kozani, P., Habibi Anbouhi, M., (...), Sadeghizadeh, M., Hajizadeh Saffar, E., Site-specific transgene integration in chimeric antigen receptor (CAR) T cell therapies, *Biomarker Research*, 2023 12 1
- Babaahmadi, M., Gholipour, N.M., Tayebi, B., (...), Eslaminejad, M.B., Hassani, S., & N., Clinical Evaluation of Collagen-Induced Arthritis in Female Lewis Rats: A Comprehensive Analysis of Disease Progression and Severity, *Cell Journal*, 2023 12 1
- Zarrabi, M., Shahrabaf, M.A., Nouri, M., (...), Vosough, M., Baharvand, H., Allogenic mesenchymal stromal cells and their extracellular vesicles in COVID-19 induced ARDS: a randomized controlled trial, *Stem Cell Research and Therapy*, 2023 12 1
- Mehrzad, J., Zahraei Salehi, T., Khosravi, A., (...), Moazenchi, M., Malvandi, A.M., Environmentally occurring aflatoxins B1 and M1 notifyably harms pancreatic islets, *Toxin Reviews*, 2023
- Moazenchi, M., Nejad, A.S.H., Izadi, M., (...), Tahamtani, Y., Hajizadeh, Saffar, E., Comparative Study of The Effects of Confounding Factors on Improving Rat Pancreatic Islet Isolation Yield and Quality, *Cell Journal*, 2022 9 1
- Farhadi, A., Totonchi, M., Nabavi, S.M., (...), Tahamtani, Y., Shahpasand, K., P38 initiates degeneration of midbrain GABAergic and glutamatergic neurons in diabetes models, *European Journal of Neuroscience*, 2022 7 1
- Samsonchi, Z., Karimi, H., Izadi, Z., (...), Hajizadeh, Saffar, E., Daemi, H., Transplantation of Islet-Containing microcapsules modified with constitutional isomers of sulfated alginate in diabetic mice to mitigate fibrosis for Long-term glycemic control, *Chemical Engineering Journal*, 2022 3 15
- Babaahmadi, M., Tayebi, B., Gholipour, N.M., (...), Hajizadeh, Saffar, E., Hassani, S., N., Long-term passages of human clonal mesenchymal stromal cells can alleviate the disease in the rat model of collagen-induced arthritis resembling early passages of different heterogeneous cells, *Journal of Tissue Engineering and Regenerative Medicine*, 2022 12 1
- Tayebi, B., Babaahmadi, M., Pakzad, M., (...), Hassani, S., N., Hajizadeh, Saffar, E., Standard toxicity study of clinical-grade allogeneic human bone marrow-derived clonal mesenchymal stromal cells, *Stem Cell Research and Therapy*, 2022 12 1
- Izadi, M., Sadr Hashemi Nejad, A., Moazenchi, M., (...), Hajizadeh, Saffar, E., Baharvand, H., Mesenchymal stem cell transplantation in newly diagnosed type-1 diabetes patients: a phase I/II randomized placebo-controlled clinical trial, *Stem Cell Research and Therapy*, 2022 12 1
- Derakhshankhah, H., Sajadimajd, S., Jahanshahi, F., (...), Razavi, M., Izadi, Z., Immunoengineering Biomaterials in Cell-Based Therapy for Type 1 Diabetes, *Tissue Engineering - Part B: Reviews*, 2022 10 1
- Pakzad, M., Hassani, S.N., Abbasi, F., (...), Dominici, M., Baharvand, H., A Roadmap for the Production of a GMP-Compatible Cell Bank of Allogeneic Bone Marrow-Derived Clonal

- Mesenchymal Stromal Cells for Cell Therapy Applications, *Stem Cell Reviews and Reports*, 2022 .10 1
- Jahangir, S., Zeydabadinejad, S., Izadi, Z., Habibi, Anbouhi, M., Hajizadeh, Saffar, E., New .20
advanced therapy medicinal products in treatment of autoimmune diseases, *Translational
.Autoimmunity: Treatment of Autoimmune Diseases*, 2022 1 1
- Hashemian, S., & M.R., Aliannejad, R., Zarrabi, M., (...), Vasei, M., Baharvand, H., Mesenchymal .21
stem cells derived from perinatal tissues for treatment of critically ill COVID-19-induced ARDS
.patients: a case series, *Stem Cell Research and Therapy*, 2021 12 1
- Pahlavanneshan, S., Behmanesh, M., Tahamtani, Y., (...), Basiri, M., Baharvand, H., Induction .22
of ss cell replication by small molecule-mediated menin inhibition and combined PKC activation
.and TGF-ss inhibition as revealed by a refined primary culture screening, *Cell Journal*, 2021 11 1
- Gholami, S., Mohebi, M., M., Hajizadeh, Saffar, E., (...), Zarkesh, I., Baharvand, .23
H., Corrigendum to "Fabrication of microporous inorganic microneedles by centrifugal casting
.method for transdermal extraction and delivery", *International Journal of Pharmaceutics*, 2021
Sotoodehnejadnematalahi, F., Moghadasali, R., Hajinasrollah, M., (...), Baharvand, H., .24
Aghdami, N., Immunomodulatory activity of human bone marrow and adipose-derived
mesenchymal stem cells prolongs allogenic skin graft survival in nonhuman primates, *Cell
.Journal*, 2021
- Shekari, F., Nazari, A., Assar Kashani, S., (...), Lim, R., Baharvand, H., Pre-clinical investigation .25
of mesenchymal stromal cell-derived extracellular vesicles: a systematic
.review, *Cytotherapy*, 2021
- Navabi, R., Negahdari, B., Hajizadeh, & Saffar, E., (...), Tahamtani, Y., Baharvand, H., Combined .26
therapy of mesenchymal stem cells with a GLP-1 receptor agonist, liraglutide, on an
.inflammatory-mediated diabetic non-human primate model, *Life Sciences*, 2021
- Ramezankhani, R., Torabi, S., Minaei, N., (...), Baharvand, H., Hajizadeh, & Saffar, E., Two .27
Decades of Global Progress in Authorized Advanced Therapy Medicinal Products: An Emerging
.Revolution in Therapeutic Strategies, *Frontiers in Cell and Developmental Biology*, 2020
- Afshar, L., Aghayan, H., R., Sadighi, J., (...), Soleymani, Goloujeh, M., Baharvand, H., Ethics of .28
research on stem cells and regenerative medicine: Ethical guidelines in the Islamic Republic of
.Iran, *Stem Cell Research and Therapy*, 2020
- Haddadi, M., H., Negahdari, B., Hajizadeh, Saffar, E., (...), Dabiri, H., Baharvand, H., Directed .29
differentiation of regulatory T cells from naive T cells and prevention of their inflammation-
.mediated instability using small molecules, *Clinical and Experimental Immunology*, 2020
- Haddadi, M., H., Hajizadeh, Saffar, E., Khosravi, Maharlooei, M., (...), Negahdari, B., .30
Baharvand, H., Autoimmunity as a target for chimeric immune receptor therapy: A new vision to
.therapeutic potential, *Blood Reviews*, 2020
- Gholami, S., Mohebi, M., M., Hajizadeh, Saffar, E., (...), Zarkesh, I., Baharvand, H., Fabrication .31
of microporous inorganic microneedles by centrifugal casting method for transdermal extraction
.and delivery, *International Journal of Pharmaceutics*, 2019
- Alamouti, M.A., Shayan, N., Momeni, M., (...), Makiani, M.J., Ebrahimi, M., INVESTIGATION .32
THE SAFETY OF AMNIOTIC MEMBRANE EXTRACTS To IMPROVE DIABETIC FOOT ULCERS
(PHASE 1 CLINICAL TRIAL STUDY), *Iranian Journal of Diabetes and Metabolism*, 2019
- Soltanian, A., Ghezelayagh, Z., Mazidi, Z., (...), Tahamtani, Y., Baharvand, H., Generation of .33
functional human pancreatic organoids by transplants of embryonic stem cell derivatives in a
.3D-printed tissue trapper, *Journal of Cellular Physiology*, 2019
- Kardoost, M., Hajizadeh, Saffar, E., Ghorbanian, M.T., (...), Behdani, M., Habibi, Anbouhi, .34
M., Genotoxicity assessment of antiepileptic drugs (AEDs) in human embryonic stem
.cells, *Epilepsy Research*, 2019
- Izadi, Z., Hajizadeh, Saffar, E., Hadjati, J., (...), Akbari, Javar, H., Baharvand, H., Tolerance .35
induction by surface immobilization of Jagged-1 for immunoprotection of pancreatic

- .islets,Biomaterials,2018
- Namazi, H., Mohit, E., Namazi, I., (...), Aghdami, N., Baharvand, H.,Exosomes secreted by .36
hypoxic cardiosphere-derived cells enhance tube formation and increase pro-angiogenic
.miRNA,Journal of Cellular Biochemistry,2018
- Saberzadeh ,& Ardestani, B., Karamzadeh, R., Basiri, M., (...), Tahamtani, Y., Baharvand, .37
H.,Type 1 diabetes mellitus: Cellular and molecular pathophysiology at a glance,Cell
.Journal,2018
- Namazi, H., Namazi, I., Ghiasi, P., (...), Aghdami, N., Mohit, E.,Exosomes secreted by .38
normoxic and hypoxic cardiosphere-derived cells have anti-apoptotic effect,Iranian Journal of
.Pharmaceutical Research,2018
- Kazemi , Lomedasht, F., Pooshang , Bagheri, K., Habibi , Anbouhi, M., (...), Mirzahosseini, H., .39
Behdani, M....,In vivo immunotherapy of lung cancer using cross-species reactive vascular
.endothelial growth factor nanobodies,Iranian Journal of Basic Medical Sciences,2017
- Montazeri, L., Hojjati ,& Emami, S., Bonakdar, S., (...), Ashtiani, M.K., Baharvand, .40
H.,Improvement of islet engrafts by enhanced angiogenesis and microparticle-mediated
.oxygenation,Biomaterials,2016
- Hajizadeh ,& Saffar, E., Tahamtani, Y., Aghdami, N., (...), Shokrgozar, M.A., Baharvand, .41
H.,Inducible VEGF Expression by Human Embryonic Stem Cell-Derived Mesenchymal Stromal
.Cells Reduces the Minimal Islet Mass Required to Reverse Diabetes,Scientific Reports,2015
- Habibi ,& Anbouhi, M., Azadmanesh, K., Behdani, M., (...), Vahabpour, R., Shokrgozar, .42
M.A.,Development and Characterization of a New Antipeptide Monoclonal Antibody Directed to
.Human CD20 Antigen,Cancer Biotherapy and Radiopharmaceuticals,2015
- Khosravi , Maharlooei, M., Hajizadeh , Saffar, E., Tahamtani, Y., (...), Luo, X., Baharvand, .43
H.,Therapy of endocrine disease: Islet transplantation for type 1 diabetes: So close and yet so
.far away,European Journal of Endocrinology,2015
- Saffar, M.H., Nekoe, S., Saffar, E.H.,A survey of annual effective and genetically significant .44
dose from conventional X-ray examinations in 10 counties in Khorasanprovince-Iran,Iranian
.Journal of Radiation Research,2007
- Gholami, S., Zarkesh, I., Ghanian, M. , H., (...), Mohebi, M. , M., Baharvand, H.,Dynamically .45
capped hierarchically porous microneedles enable post-fabrication loading and self-regulated
.transdermal delivery of insulin,Chemical Engineering Journal,(2021 10 1

کتاب‌ها

۱. کتاب اصول و مبانی پزشکی بازساختی برای پزشکان، دانشجویان پزشکی و دانشجویان تحصیلات تکمیلی
۲. سلول درمانی و پزشکی بازساختی ۲
۳. سلول درمانی و پزشکی بازساختی ۱
۴. مقدمه ای بر اصول تولید بهینه فرآورده های سلول، بافت و ژن درمانی