



رضا مقدس علی

دانشیار

محل خدمت: پژوهشگاه علوم سلولی (رویان)



سوابق تحصیلی			
مقطع تحصیلی	سال اخذ مدرک	رشته و گرایش تحصیلی	دانشگاه
کارشناسی	۱۳۷۹	زیست شناسی عمومی	دانشگاه تربیت معلم تهران
کارشناسی ارشد	۱۳۸۵	زیست شناسی علوم جانوری- سلولی و تکوینی	دانشگاه تهران
دکترای تخصصی	۱۳۹۲	بیولوژی سلولی-تکوینی	دانشگاه خوارزمی

اطلاعات استخدامی				
محل خدمت	عنوان سمت	نوع استخدام	نوع همکاری	پایه
پژوهشگاه رویان	عضو هیات علمی	رسمی قطعی	تمام وقت	

سوابق اجرایی

عضو هیات علمی پژوهشگاه رویان

مدیر گروه تحقیقاتی سلول‌های کلونال پژوهشگاه رویان است.

مقالات در نشریات

- Rad, N., Bahrehbar, K., (...), Totonchi, M., Moghadasali, و Abdollahzadeh, F., Khoshdel R., Enhancing maturity in 3D kidney micro-tissues through clonogenic cell combinations and endothelial integration, *Journal of Cellular and Molecular Medicine*, 2024, 24(6), 1-11.
- Enriched human embryonic stem cells , derived CD133+, CD24+ renal progenitors engraft and restore function in a gentamicin , induced kidney injury in mice, *Enriched human embryonic stem cells-derived CD133+, CD24+ renal progenitors engraft and restore function in a gentamicin-induced kidney injury in mice*, *Regenerative Therapy*, 2024, 12(1), 1-11.
- Bahrami, M., Darabi, S., Roozbahany, N.A., Abbaszadeh, H.A., Moghadasali, R., Great potential of renal progenitor cells in kidney: From the development to clinic, *Experimental Cell Research*, 2024.
- Rezaei, S., Nilforoushzadeh, M.A., Amirkhani, M.A., (...), Taghiabadi, E., Nasrabadi, D., Preclinical and Clinical Studies on the Use of Extracellular Vesicles Derived from Mesenchymal Stem Cells in the Treatment of Chronic Wounds, *Molecular Pharmaceutics*, 2024.
- Ahrabi, B., Abbaszadeh, H.A., Piryaee, A., (...), Azimi, H., Moghadasali, R., Autophagy-induced

- mesenchymal stem cell-derived extracellular vesicles ameliorated renal fibrosis in an in vitro .model,BiolImpacts,2023
- Afzal, E., Pakzad, M., Nouri, M., Moghadasali, R., Zarrabi, M., Human umbilical cord serum as .6
an alternative to fetal bovine serum for in vitro expansion of umbilical cord mesenchymal
.stromal cells,Cell and Tissue Banking,2023
- Yazdani, A., Bahrami, F., Pourgholaminejad, A., Moghadasali, R., A biological and a .7
mathematical model of SLE treated by mesenchymal stem cells covering all the stages of the
.disease,Theory in Biosciences,2023
- Ahmadi, A., Moghadasali, R., Najafi, I., Shekarchian, S., Alatab, S., Potential of Autologous .8
Adipose-Derived Mesenchymal Stem Cells in Peritoneal Fibrosis: A Pilot Study,Archives of Iranian
.Medicine,2023
- Nosrati, F., Grillari, J., Azarnia, M., (...), Karimzadeh, L., Lammermann, I., The expression of .9
fibrosis-related genes is elevated in doxorubicin-induced senescent human dermal fibroblasts,
but their secretome does not trigger a paracrine fibrotic response in non-senescent
.cells,Biogerontology,2023
- Zeinali, H., Azarnia, M., Keyhanvar, P., (...), Ebrahimi, Barough, S., Marandi, Kouchaki, .10
M., Reduced inflammation following human endometrial stromal/stem cell injection into male
.Wistar rats with cisplatin-induced acute kidney injury,BiolImpacts,2022
- Abdollahzadeh, F., Khoshdel, & Rad, N., Moghadasali, R., Kidney development and function: .11
.ECM cannot be ignored,Differentiation,2022
- Khoshdel, & Rad, N., Ahmadi, A., Moghadasali, R., Kidney organoids: current knowledge and .12
.future directions,Cell and Tissue Research,2022
- Mirazi, N., Baharvand, F., Moghadasali, R., Nourian, A., Hosseini, A., Treatment with human .13
umbilical cord blood serum in a gentamicin-induced nephrotoxicity model in rats,Drug and
.Chemical Toxicology,2022
- Zeinali, H., Azarnia, M., Keyhanvar, P., Moghadasali, R., Ebrahimi, & Barough, S., Human .14
endometrial stromal/stem cells inhibit apoptosis in cisplatin-induced acute kidney injury in male
.wistar rats,Cell Journal,2021
- Haqiqian, M.H., Sardari, D., Houshyari, M., Moghadasali, R., Nano-sheets of graphene oxide .15
enhance the combined effect of hyperthermia and radiation treatment in pancreatic cancer cell
.lines,Current Nanoscience,2021
- Mirazi, N., Baharvand, F., Moghadasali, R., Nourian, A., Hosseini, A., Human umbilical cord .16
blood serum attenuates gentamicin-induced liver toxicity by restoring peripheral oxidative
.damage and inflammation in rats,Basic and Clinical Pharmacology and Toxicology,2021
- Sotoodehnejadnematalahi, F., Moghadasali, R., Hajinasrollah, M., (...), Baharvand, H., .17
Aghdami, N., Immunomodulatory activity of human bone marrow and adipose-derived
mesenchymal stem cells prolongs allogeneic skin graft survival in nonhuman primates,Cell
.Journal,2021
- Khoshdel, & Rad, N., Zahmatkesh, E., Moeinvaziri, F., (...), Aghdami, N., Moghadasali, .18
R., Promoting Maturation of Human Pluripotent Stem Cell-Derived Renal Microtissue by
.Stem Cells and Development,2021, Incorporation of Endothelial and Mesenchymal Cells
- Ehsani, E., Shekarchian, S., Baharvand, H., Aghdami, N., Moghadasali, R., Corrigendum to .19
"Improved differentiation of human enriched CD133+CD24+ renal progenitor cells derived from
embryonic stem cell with embryonic mouse kidney-derived mesenchymal stem cells co-
.culture",Differentiation,2021
- Ahmadi, A., Moghadasali, R., Ezzatizadeh, V., (...), Baharvand, H., Aghdami, N., Retraction .20
Note: Transplantation of Mouse Induced Pluripotent Stem Cell-Derived Podocytes in a Mouse
.Model of Membranous Nephropathy Attenuates Proteinuria,Scientific reports,2021
- Khoshdel Rad, N., Aghdami, N., Moghadasali, R., Cellular and Molecular Mechanisms of .21
Frontiers in Cell and,استنادات Kidney Development: From the Embryo to the Kidney Organoid ۳۶

- .Developmental Biology,2020
- Ahmadi, A., Rad, N.K., Ezzatizadeh, V., Moghadasali, R.,Kidney regeneration: Stem cells as a .22
.new trend,Current Stem Cell Research and Therapy,2020
- Ahrabi, B., Bahrami, M., Moghadasali, R., (...), Darabi, S., Abbaszadeh, H.A.,The effect of low- .23
power laser therapy on the TGF/beta signaling pathway in chronic kidney disease: A
.review,Journal of Lasers in Medical Sciences,2020
- Saidi, R.F., Moghadasali, R., Shekarchian, S.,Utilization of mesenchymal stem cells in kidney .24
.transplantation: From bench to bedside,Iranian Journal of Kidney Diseases,2019
- Alatab, S., Shekarchian, S., Najafi, I., (...), Pourmand, G., Aghdami, N.,Systemic infusion of .25
autologous adipose tissue-derived mesenchymal stem cells in peritoneal dialysis patients:
.Feasibility and safety,Cell Journal,2019
- Mansoori ,& Moghadam, Z., Totonchi, M., Hesaraki, M., (...), Baharvand, H., Moghadasali, .26
R.,Programming of ES cells and reprogramming of fibroblasts into renal lineage-like
.cells,Experimental Cell Research,2019
- Sharifiaghdas, F., Zohrabi, F., Moghadasali, R., (...), Baharvand, H., Aghdami, N.,Autologous .27
Muscle-Derived Cell Injection For Treatment Of Female Stress Urinary Incontinence: A Single-Arm
.Clinical Trial With 24-Months Follow-Up,Urology Journal,2019
- Ahmadi, A., Moghadasali, R., Ezzatizadeh, V., (...), Baharvand, H., Aghdami, N.,Transplantation .28
of Mouse Induced Pluripotent Stem Cell-Derived Podocytes in a Mouse Model of Membranous
.Nephropathy Attenuates Proteinuria,Scientific Reports,2019
- Ehsani, E., Shekarchian, S., Baharvand, H., Aghdami, N., Moghadasali, R.,Improved .29
differentiation of human enriched CD133+CD24+ renal progenitor cells derived from embryonic
stem cell with embryonic mouse kidney-derived mesenchymal stem cells co-
.culture,Differentiation,2019
- Malekshahabi, T., Khoshdel Rad, N., Serra, A.L., Moghadasali, R.,Autosomal dominant .30
polycystic kidney disease: Disrupted pathways and potential therapeutic interventions,Journal of
.Cellular Physiology,2019
- Makhlough, A., Shekarchian, S., Moghadasali, R., (...), Baharvand, H., Aghdami, N.,Bone .31
marrow-mesenchymal stromal cell infusion in patients with chronic kidney disease: A safety
.study with 18 months of follow-up,Cytotherapy,2018
- Ranjzad, F., Aghdami, N., Tara, A., (...), Moghadasali, R., Basiri, A.,Identification of three novel .32
frameshift mutations in the PKD1 gene in iranian families with autosomal dominant polycystic
kidney disease using efficient targeted next-generation sequencing,Kidney and Blood Pressure
.Research,2018
- Emadedin, M., Labibzadeh, N., Fazeli, R., (...), Eslaminejad, M.B., Aghdami, N.,Percutaneous .33
autologous bone marrow-derived mesenchymal stromal cell implantation is safe for
.reconstruction of human lower limb long bone atrophic nonunion,Cell Journal,2017
- Ranjzad, F., Tara, A., Basiri, A., Aghdami, N., Moghadasali, R.,Mutational screening of PKD1 .34
and PKD2 Genes in Iranian population diagnosed with autosomal dominant polycystic kidney
.disease,Clinical Laboratory,2017
- Makhlough, A., Shekarchian, S., Moghadasali, R., (...), Baharvand, H., Aghdami, N.,Safety and .35
tolerability of autologous bone marrow mesenchymal stromal cells in ADPKD patients,Stem Cell
.Research and Therapy,2017
- Sharifiaghdas, F., Tajalli, F., Taheri, M., (...), Azimian, V., Jaroughi, N.,Effect of autologous .36
muscle-derived cells in the treatment of urinary incontinence in female patients with intrinsic
.sphincter deficiency and epispadias: A prospective study,International Journal of Urology,2016
- Moghadasali, R., Hajinasrollah, M., Argani, H., (...), Baharvand, H., Aghdami, N.,Autologous .37
transplantation of mesenchymal stromal cells tends to prevent progress of interstitial fibrosis in
.a rhesus Macaca mulatta monkey model of chronic kidney disease,Cytotherapy,2015
- Emadedin, M., Liastani, M.G., Fazeli, R., (...), Baharvand, H., Aghdami, N.,Long-term follow-up .38

- of intra-articular injection of autologous mesenchymal stem cells in patients with knee, ankle, or .hip osteoarthritis,Archives of Iranian Medicine,2015
- Moghadasali, R., Azarnia, M., Hajinasrollah, M., (...), Baharvand, H., Aghdami, N.,Intra-renal .39
arterial injection of autologous bone marrow mesenchymal stromal cells ameliorates cisplatin-
.induced acute kidney injury in a rhesus Macaque mulatta monkey model,Cytotherapy,2014
- Moghadasali, R., Mutsaers, H.A.M., Azarnia, M., (...), Wilmer, M.J.G., Masereeuw, .40
R.,Mesenchymal stem cell-conditioned medium accelerates regeneration of human renal
proximal tubule epithelial cells after gentamicin toxicity,Experimental and Toxicologic
.Pathology,2013
- Zamiri, B., Shahidi, S., Eslaminejad, M.B., (...), Mardpour, S., Aghdami, N.,Reconstruction of .41
human mandibular continuity defects with allogenic scaffold and autologous marrow
.mesenchymal stem cells,Journal of Craniofacial Surgery,2013
- Shakhssalim, N., Rasouli, J., Moghadasali, R., (...), Naji, M., Soleimani, M.,Bladder smooth .42
muscle cells interaction and proliferation on PCL/PLLA electrospun nanofibrous
.scaffold,International Journal of Artificial Organs,2013
- Emadedin, M., Aghdami, N., Taghiyar, L., (...), Farjad, R., Eslaminejad, M.B.,Intra-articular .43
injection of autologous mesenchymal stem cells in six patients with knee Osteoarthritis,Archives
.of Iranian Medicine,2012
- Shakhssalim, N., Dehghan, M.M., Moghadasali, R., (...), Shabani, I., Soleimani, M.,Bladder .44
tissue engineering using biocompatible nanofibrous electro-spun constructs: Feasibility and
.safety investigation,Urology Journal,2012
- Sharifiaghdas, F., Taheri, M., Moghadasali, R.,Isolation of human adult stem cells from .45
.muscle biopsy for future treatment of urinary incontinence,Urology Journal,2011
- Sharifiaghdas, F., Moghadasali, R., Baharvand, H., Hosseini, & Moghaddam, S.M., .46
Mahmoudnejad, N.,Special characteristics of culturing mature human bladder smooth muscle
.cells on human amniotic membrane as a suitable matrix,Urology Journal,2009
- Moghadasali, R., Zeynali, B., Soleimani, M., Hatami, M., Baharvand, H.,Effect of astrocyte- .47
conditioned medium, retinole acid and basic fibroblast growth factor on neural differentiation of
.mouse embryonic stem cells,Yakhteh,2007
- Sharifiaghdas, F., Hamzehiesfahani, N., Moghadasali, R., Ghaemimanesh, F., Baharvand, .48
H.,Human amniotic membrane as a suitable matrix for growth of mouse urothelial cells in
.comparison with human peritoneal and omentum membranes,Urology journal,2007