

دکتر جواد رنجبری

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سوابق کاری:

استادیار گروه بیوتکنولوژی پزشکی – دانشگاه علوم پزشکی شهید بهشتی ۱۳۹۵- تاکنون
مدیر اجرایی مرکز رشد طب بازساختی و تحقیقات سلول های بنیادی – دانشگاه علوم پزشکی شهید بهشتی ۱۳۹۵- تاکنون

سوابق تحصیلی:

دکترای تخصصی بیوتکنولوژی دارویی – دانشگاه علوم پزشکی شهید بهشتی ۱۳۹۳-۱۳۸۸
کارشناسی ارشد بیوتکنولوژی پزشکی – دانشگاه علوم پزشکی تبریز ۱۳۸۸-۱۳۸۶
کارشناسی علوم آزمایشگاهی – دانشگاه علوم پزشکی ایران ۱۳۸۶-۱۳۸۴
کاردانی علوم آزمایشگاهی – دانشگاه علوم پزشکی شیراز ۱۳۸۴-۱۳۸۲

مقالات:

- Repairing rat calvarial defects by adipose mesenchymal stem cells and novel freeze-dried three-dimensional nanofibrous scaffolds - BIOIMPACTS
MS Khoramgah, H Ghanbarian, **J Ranjbari**, N Ebrahimi, FS Tabatabaei
- Fabrication and characterization of cobalt ferrite magnetic hydrogel combined with static magnetic field as a potential bio-composite for bone tissue engineering – Journal of Drug Delivery Science and Technology.
S Farzaneh, S Hosseinzadeh, Arash Khojasteh, **Javad Ranjbari** (corresponding author).
- Optimization of Topography and Surface Properties of Polyacrylonitrile-Based Electrospun Scaffolds via Nonoclay Concentrations and its Effect on Osteogenic Differentiation of Human Mesenchymal Stem Cells – Iranian Journal of Pharmaceutical Research.
Fatemeh Sadat Tabatabaei Mirakabad, Symzar Hosseinzadeh, Hojjat Allah Abbaszadeh, Vahideh Zeighamian, Maryam Sadat Khoramgah, Hossein Ghanbarian, **Javad Ranjbari**, Bahram Kazemi
- Applications of bacterial cellulose as a natural polymer in tissue engineering - ASAIO Journal
M Bouhlouli, M Pourhadi, F Karami, Z Talebi, **J Ranjbari** (corresponding author), A Khojasteh
- The comparison between the osteogenic differentiation potential of Clay-polyacrylonitrile nanocomposite scaffold and graphene-polyacrylonitrile scaffold in human mesenchymal stem cell - Nano Biomedicin and engineering

F Tabatabaei, S Hosseinzadeh, H Abbaszadeh, M Khoramgah, H Ghanbarian, **Javad Ranjbari** (corresponding author), Bahram Kazemi

- Freeze-dried multiscale porous nanofibrous three dimensional scaffolds for bone regenerations - Bioimpacts
M Khoramgah, **Javad Ranjbari**, H Abbaszadeh, F Tabatabaei, S Hatami, S Hosseinzadeh, H Ghanbarian
- Regenerative medicine under control of 3D scaffolds: Current state and progress of tissue scaffolds - Current Stem Cell Research & Therapy
A Golchin, S Farzaneh, B Porjabbar, F Sadegian, M Estaji, P Ranjbarvan, Mohammad Kanafimahbob, **Javad Ranjbari**, Nasim Salehi-Nik, Simzar Hosseinzadeh
- Therapeutic and protective potential of mesenchymal stem cells, pharmaceutical agents and current vaccines against covid-19 - Current Stem Cell Research & Therapy.
Mehdi Rasouli, Fatemeh Vakilian, **Javad Ranjbari**
- Acetate kinase A antisense delivery by PAMAM dendrimer for decrease acetate production and increase the production of recombinant Albumin in E. coli – Iranian Journal of biotechnology
S Ahangarzadeh, H.R Moghimi, M Bandehpour, **Javad Ranjbari** (corresponding author)
- Aptamers as smart ligands for nano-carriers targeting - TrAC- trends in analyticalchemistry
A Mokhtarzadeh, M Tabarзад, **Javad Ranjbari**, Miguel de la Guardia, M Hejazi, M Ramezani
- Optimization of key factors in serum free medium for production of human recombinant GM-CSF using response surface methodology - Iranian Journal of Pharmaceutical Research
N Ghasemi, M Bandehpour, **Javad Ranjbari** (corresponding author)
- Engineered recombinant protein production systems originated from Escherichia coli - Trends in Peptide and Protein Sciences journal - **Javad Ranjbari** (corresponding author)
- Effect of acyl homoserine lactone on recombinant production of human Insulin-like Growth Factor-1 in batch culture of *Escherichia coli* - Protein and peptide letters
V Babaeipour, H Vahidi, S Alikhani, A alibakhshi, M Tabarзад, **Javad Ranjbari** (corresponding author)
- Enhanced production of Insulin-Like Growth Factor I protein in *Escherichia coli* by optimization of five key factors - Iranian Journal of Pharmaceutical Sciences
Javad Ranjbari, V Babaeipour, H Vahidi, H Moghimi, M R Mofid, M Namvara, S Jafari
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Javad Ranjbari, V Babaeipour, H Vahidi, M R Mofid, H Moghimi

- Bicyclic peptides: types, synthesis and applications - Drug Discovery Today
S Ahangarzadeh, M Mahbob Kanafi, S Hosseinzadeh, M Barati, A Mokhtarzadeh, **Javad Ranjbari** (corresponding author), Lobat Tayebi
- Peptide dendrimers as valuable biomaterials in medical sciences - Life Sciences
F Tabatabaei, M Khoramgah, K Keshavarz, M Tabarzadd, **Javad Ranjbari** (corresponding author)
- Soluble form production of recombinant human Insulin-Like Growth Factor-1 by NusA fusion partner in E. coli - Trends in Peptides and Protein sciences
S Hemmatia, **Javad Ranjbari** (corresponding author)
- The inhibitory effect of *Curcuma Longa* on telomerase activity in A549 cancer cell line - African journal of biotechnology
Pourhassan M, Zarghami N, Rahmati M, Alibakhshi A and **Javad Ranjbari**
- Targeted cancer therapy through antibody fragments-decorated Nano medicines - Journal of Controlled Release
Alibakhshi A, Abarghooi F, Ahangarzadeh S, Yaghoobi H, Yarian F, Arezumand R, **Ranjbari Javad**, Mokhtarzadeh A, de la Guardia M
- Nano-delivery system targeting to cancer stem cell cluster of differentiation Biomarkers - Journal of Controlled Release
A Mokhtarzadeh, S Hassanpour, Z Vahid, M Hejazi, M Hashemi, **Javad Ranjbari**, M Tabarзад, Miguel de la Guardia
- Effects of Curcuma longa extract on telomerase activity in lung and breast cancer cells -Zahedan Journal of Research in Medical Sciences
Javad Ranjbari, A Alibakhshi, R Arezumand, M Pourhassan-Moghaddam, M Rahmati, N Zarghami, M Namvaran
- Nanobodies as novel agents for targeting angiogenesis in solid cancers - Frontiers in Immunology
Arezumand R, Alibakhshi A, **Ranjbari Javad**, Ramazani A, Muyltermans Surg
- Anti-cancer drug delivery using carbohydrate-based polymers - Current Pharmaceutical Design
Javad ranjbari, A Mokhtarzadeh, A Alibakhshi, M Tabarзад, M Hejazi, M Ramezani
- An update on phytochemicals substances in molecular target therapy of cancer: Potential inhibitory effect on telomerase activity - Current Medicinal Chemistry
A Alibakhshi, **Javad Ranjbari**, Y Pilehvar-Soltanahmadi, M Nasiri, M Mollazade, N Zarghami
- Direct immobilization of coagulation factor VIII on Au/Fe₃O₄ Shell/Core magnetic nanoparticles for analytical application - Trends in peptide and protein sciences
Z Sharafi, **Javad Ranjbari**, J Javidi, N Nafissi-Varcheh, M Tabarзад

- Lectin coated MgO nanoparticle: its toxicity, anti-Leishmanial activity and macrophage activation - Drug and Chemical Toxicology
Jebali A, Hekmatimoghaddam S, Kazemi B, Allaveisie A, Masoudi A, Daliri K, Sedighi N, **Javad Ranjbari** .
- Incidence of Human T-Lymphotropic Virus Type 1(HTLV-1) among blood donors from Ilam, Iran - Iranian journal of virology
- Study role of age in contact dependent transmission of Mycobacterium Tuberculosis in northwest of Iran by IS6110-RFLP method - Modares Journal of Medical Sciences (Pathobiology)

کنفرانس ها:

- Anti-growth effect of n-hexane total extract of *Curcuma longa* on cell line A549 (10th Iranian Congress of Biochemistry & 3th International Congress of Biochemistry and Molecular Biology, 2009)
 - Determination of IC50 of *Curcuma Longa* total extract in epithelial like cell line of breast cancer T47D (10th Iranian Congress of Biochemistry & 3th International Congress of Biochemistry and Molecular Biology, 2009)
 - Tuberculosis transmission in different age group in northwest of Iran. (2nd Iranian Congress of Clinical Microbiology, 2008)
 - Correlation between Mannose Binding Lectin gene variants and Host-Pathogen interactions (2nd Iranian Congress of Clinical Microbiology, 2008)
 - Detection and determination of antibiotic sensitivity of isolated bacteria from cerebrospinal fluid (CSF) samples of hospitalized patients in Ilam hospitals. (9th Iranian congress of microbiology, Kerman, 2008)
 - Study of antibiotic sensitivity of *Haemophilus* species isolated from eye and cerebrospinal fluid samples of hospitalized children in pediatries ward of Imam Khomeini hospital of Ilam. (9th Iranian congress of microbiology, Kerman, 2008)
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- Effect of poly acrylate hydrogel conjugated with cobalt ferrite magnetic nanoparticle on dental pulp stem cell bone differentiation and migration.
Shahid Beheshti University of Medical Sciences, Tehran, Iran.
- Optimization of topography and surface properties of PAN-clay scaffold via nonoclay concentrations and investigation of its effects on bone differentiation of human mesenchymal stem cells.
Shahid Beheshti University of Medical Sciences, Tehran, Iran.
- Evaluation of the Properties and the Effects of the Designed Hydrogel Scaffolds based on Polyvinyl alcohol, polytetrafluoroethylene, Graphene Oxide on the Differentiation of Mesenchymal Stem cells to osteoblast precursors for using in Rat Calvari.
Shahid Beheshti University of Medical Sciences, Tehran, Iran.
- Fabrication and study of chitosan / aspirin hydrogel to differentiate adipose mesenchymal stem cells into bone in vitro and invivo.
Shahid Beheshti University of Medical Sciences, Tehran, Iran.
- Production optimization and modification of bacterial cellulose polymer as a potential dressing for wound healing applications.
Shahid Beheshti University of Medical Sciences, Tehran, Iran.
- Development of controlled release systems for optimized feeding and pH control in bacterial production systems
Shahid Beheshti University of Medical Sciences, Tehran, Iran.
- Enhanced production of recombinant human Albumin in *E. coli* fed-batch culture by antisense acetate gene knockdown.
Shahid Beheshti University of Medical Sciences, Tehran, Iran.
- Enhanced production of recombinant GM-CSF on CHO cell by optimization of four key factors in serum free culture medium.
Shahid Beheshti University of Medical Sciences, Tehran, Iran.
- Enhanced Production of Insulin-Like Growth Factor I protein in Escherichia coli by optimization of key factors.
Shahid Beheshti University of Medical Sciences Tehran, Iran.
- Design of preclinical study for retinal dystrophy gene therapy by lentiviral vector-based CRB1 gene augmentation. *Shahid Beheshti University of Medical Sciences, Tehran, Iran.*

- Production and purification of recombinant human Bone Morphogenetic Protein 2 in CHO cells.
Shahid Beheshti University of Medical Sciences, Tehran, Iran.
- Development of optimized CHO host cell by manipulating of SIRT-6 gene for production of recombinant antibodies. *Shahid Beheshti University of Medical Sciences, Tehran, Iran.*
- The inhibitory effect of Curcuma Longa total extract on telomerase activity in A549, T47D and MCF7 cell lines.
Tabriz University of Medical Sciences Tabriz, Iran

کتاب ها:

- کاربرد تکنولوژی DNA نو ترکیب در ساخت واکسن های DNA
- کاربرد باکتریوفازها در علوم زیستی

مهارت ها و تکنیک ها:

Gene cloning	Process optimization	Animal experiments
Construct design	DNA, RNA extraction	Histological staining
Gene editing	Primer design	Protein Docking
Directed site mutagenesis	Real time PCR	Bioinformatics databases
Antisense-based Metabolic engineering	Protein purification techniques	Bioinformatics software
Recombinant protein production	SDS-PAGE electrophoresis	SPSS
Fermentation (Bacterial and yeast)	Western blotting	Minitab
Design of expert	Immunohistochemistry	Design Expert
Tissue engineering	Immunocytochemistry	Response surface design
Stem cell culture and characterization	ELISA	Box Behnken, Taguchi, Plackett Burman design
Stem cell isolation and differentiation	MTT assay/Alamar blue assay	Excel, Power point, Word
Scaffold synthesis and characterization	Flow cytometry	