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| Hossein Khanahmad MD.Ph.DAssociate professor in medical biotechnologyDepartment of Genetics and Molecular biologySchool of Medicine, Isfahan University of medical science, Isfahan , Iran |

Skills & Activities

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| *Skills* | Western Blot, Proteins, Cloning, Green Fluorescent Protein, Plasmids, Gene Therapy, Cancer Biomarkers, Cancer Diagnostics, PCR, Cell Culture, Cancer Biology, Cell Line, Cells |
| *Languages* |  |
| *Scientific Memberships* |  |
| *Interests* |  |

Publication Highlights

[authors]: *[title]*. [details]

Books

Book Chapters

Journal Publications

Maryam Aghaei, Hossein Khanahmad, Shahrzad Aghaei, Mohammad Ali Nilforoushzadeh, Mohammad Ali Mohaghegh, Seyed Hossein Hejazi: *The role of Bax in the apoptosis of Leishmania-infected macrophages*. Microbial Pathogenesis 02/2020; 139:103892., DOI:10.1016/j.micpath.2019.103892

Farzaneh MIRZAEI, Hossein KHANAHMAD, Fatemeh NAMDAR, Shahrokh IZADI, Seyed Hossein HEJAZI: *A Novel Strategy for Enhance Potentiation of Meglumine antimo-niate against Leishmania major In Vitro*. Iranian Journal of Parasitology 12/2019; 14(4)., DOI:10.18502/ijpa.v14i4.2096

Mina Jamalvandi, Hossein Khanahmad, Shiva Irani, Sayad Bastaminezhad: *Selection and characterization of single-stranded DNA aptamers against interleukin-5*. Research in pharmaceutical sciences 12/2019; 14(6):515., DOI:10.4103/1735-5362.272560

Fatemeh Hajibabaie, Shirin Kouhpayeh, Mina Mirian, Ilnaz Rahimmanesh, Maryam Boshtam, Ladan Sadeghian, Azam Gheibi, Hossein Khanahmad, Laleh Shariati: *MicroRNAs as the actors in the atherosclerosis scenario*. Journal of physiology and biochemistry 12/2019;, DOI:10.1007/s13105-019-00710-7

Tahereh Sadeghian-Rizi, Mahdi Behdani, Fateme Naghavi-al-hosseini, Seyedeh Simin Dakhilpour, Hossein Khanahmad, Ali Jahanian-Najafabadi: *Optimization of Anti-CXCL10 Nanobody Expression Using Response Surface Methodology and Evaluation of its Anti-metastatic Effect on Breast Cancer cells*. International Journal of Peptide Research and Therapeutics 10/2019;, DOI:10.1007/s10989-019-09941-0

Azadeh Rahimi, Rina Sedighi, Modjtaba Emadi‐Baygi, Mohammad‐Amin Honardoost, Seyed‐Javad Mowla, Hossein Khanahmad, Parvaneh Nikpour: *Bioinformatics prediction and experimental validation of a novel microRNA: hsa‐miR‐B43 within human CDH4 gene with a potential metastasis‐related function in breast cancer*. Journal of Cellular Biochemistry 09/2019; 121(14)., DOI:10.1002/jcb.29367

Zahra Mohammadi, Arezou Karamzadeh, MohammadAmin Tabatabaiefar, Hossein Khanahmad, Laleh Shariati: *Evidence for expression of promoterless GFP cassette: Is GFP an ideal reporter gene in biotechnology science?*. Research in pharmaceutical sciences 08/2019; 14(4):351., DOI:10.4103/1735-5362.263559

Zahra Khalaj, Zohreh Baratieh, Parvaneh Nikpour, Hossein Khanahmad, Fariborz Mokarian, Rasoul Salehi, Mansoor Salehi: *Distribution of CYP2D6 polymorphism in the Middle Eastern region*. Journal of research in medical sciences 07/2019; 24(1):61., DOI:10.4103/jrms.JRMS\_1076\_18

Zohreh Hojati, Mazdak Ganjalikhani-Hakemi, Mahnaz Ameri, Seyedeh Fatemeh Alimohammadi-Jelodar, Moein Dehbashi, Maryam Mohammad Ganji, Vida Homayouni, Hossein Khanahmad: *Evaluation of Silencing Effect of miR-133a-5p Mimic on TIM-3 Expression in AML (HL-60) Cell Line*. Indian Journal of Clinical Biochemistry 06/2019;, DOI:10.1007/s12291-019-00834-z

Azam Gheibi, Hossein Khanahmad, GholamAli Kardar, Maryam Boshtam, Sassan Rezaie, Bahram Kazemi, MohammadReza Khorramizadeh: *Optimization and Comparison of Different Methods and Factors for Efficient Transformation of Brucella abortus RB51strain*. 05/2019; 8(1):37., DOI:10.4103/abr.abr\_14\_19

Zahra Khalaj, Zohreh Baratieh, Parvaneh Nikpour, Matthias Schwab, Elke Schaeffeler, Fariborz Mokarian, Hossein Khanahmad, Rasoul Salehi, Thomas E. Mürdter, Mansoor Salehi: *Clinical Trial: CYP2D6 Related Dose Escalation of Tamoxifen in Breast Cancer Patients With Iranian Ethnic Background Resulted in Increased Concentrations of Tamoxifen and Its MetabolitesTable\_1.pdf*. Frontiers in Pharmacology 05/2019; 10., DOI:10.3389/fphar.2019.00530

Shirin Kouhpayeh, Zahra Hejazi, Maryam Boshtam, Mina Mirian, Ilnaz Rahimmanesh, Leila Darzi, Abbas Rezaei, Laleh Shariati, Hossein Khanahmad: *Development of α4 integrin DNA aptamer as a potential therapeutic tool for multiple sclerosis*. Journal of Cellular Biochemistry 05/2019; 120(6)., DOI:10.1002/jcb.28907

Maryam Abbasalipour, Mohammad Ali Khosravi, Sirous Zeinali, Hossein Khanahmad, Morteza Karimipoor, Kayhan Azadmanesh: *Improvement of K562 Cell Line Transduction by FBS Mediated Attachment to the Cell Culture Plate*. BioMed Research International 03/2019; 2019(3):1-6., DOI:10.1155/2019/9540702

Alireza Andalib, samaneh mohammadzadeh, Hossein Khanahmad, Nahid Eskandari, Nafiseh Esmaeil, Ilnaz Rahimmanesh, Abbas Rezaei: *Producing Soluble Human Programmed Cell Death Protein-1: A Natural supporter for CD4+T cell Cytotoxicity and Tumor Cells Apoptosis*. Iranian Journal of Biotechnology 03/2019;

Hossein Khan, Jahan Afrooz Ghanbari, Mansoor Salehi, Arezoo Karamzadeh, Sedigheh Moemenzadeh, Vahid Bahrambeigi, Hossein Khanahmad, Behzad Mahaki, Mina Beiraghdar: *A preliminary step of a novel strategy in suicide gene therapy with lentiviral vector*.

Razieh Dehbanipour, Hossein Khanahmad, Mansour Sedighi, Jamshid Faghri, Abed Zahedi Bialvaei: *High prevalence of fluoroquinolone-resistant Escherichia coli strains isolated from urine clinical samples*. Journal of preventive medicine and hygiene 01/2019; 60(1)., DOI:10.15167/2421-4248/jpmh2019.60.1.884

Laleh Shariati, Mohammad Hossein Modarressi, Mohammad Amin Tabatabaiefar, Shirin Kouhpayeh, Zahra Hejazi, Mansoureh Shahbazi, Faezeh Sabzehei, Mansoor Salehi, Hossein Khanahmad: *Engineered zinc‐finger nuclease to generate site‐directed modification in the KLF1 gene for fetal hemoglobin induction*. Journal of Cellular Biochemistry 12/2018;, DOI:10.1002/jcb.28130

Azam Gheibi, Hossein Khanahmad, Khosrow Kashfi, Mahdieh Sarmadi, Mohammad Reza Khorramizadeh: *Development of new generation of vaccines for Brucella abortus*. Heliyon 12/2018; 4(12):e01079., DOI:10.1016/j.heliyon.2018.e01079

Tahereh Sadeghian-Rizi, Mahdi Behdani, Hossein Khanahmad, Hamid Mirmohammad Sadeghi, Ali Jahanian-Najafabadi: *Generation and characterization of a functional Nanobody against inflammatory chemokine CXCL10, as a novel strategy for treatment of multiple sclerosis*. CNS & neurological disorders drug targets 11/2018; 17(2)., DOI:10.2174/1871527317666181114134518

Tahereh Sadeghiyan, Mahdi Behdani, Hossein Khanahmad, Hamid Mir Mohammad Sadeghi, Ali Jahanian-Najafabadi: *Generation and characterization of a functional Nanobody against inflammatory chemokine CXCL10, as a novel strategy for treatment of multiple sclerosis*. CNS & neurological disorders drug targets 11/2018;

Maryam Boshtam, Seddigheh Asgary, Ilnaz Rahimmanesh, Shirin Kouhpayeh, JamalNaderi, Zahra Hejazi, Hoda Mohammad-Dezashibi, InaLaura Pieper, Hossein Khanahmad: *Display of human and rabbit monocyte chemoattractant protein-1 on human embryonic kidney 293T cell surface*. Research in pharmaceutical sciences 10/2018; 13(5):430., DOI:10.4103/1735-5362.236836

Kourosh CHERAGHIPOUR, Laleh SHARIATI, Hossein KHANAHMAD, Mazdak GANJALIKHANI-HAKEMI, Abbas MORIDNIA, Mina MIRIAN, Nader PESTEHCHIAN: *Induction of Apoptosis in Toxoplasma gondii Infected Hela Cells by Cisplatin and Sodium Azide and Isolation of Apoptotic Bodies and Potential Use for Vaccination against Toxoplasma gondii*. Iranian Journal of Parasitology 09/2018; 13(3):406-415.

Azam Fatahi, Ilnaz Rahimmanesh, Mina Mirian, Fattah Rohani, Maryam Boshtam, Azam Gheibi, Laleh Shariati, Hossein Khanahmad, Shirin Kouhpayeh: *Construction and characterization of human embryonic kidney-(HEK)-293T cell overexpressing truncated α4 integrin*. Research in pharmaceutical sciences 08/2018; 13(4):353., DOI:10.4103/1735-5362.235162

Laleh Shariati, Fattah Rohani, Nahid Heidari Hafshejani, Shirin Kouhpayeh, Maryam Boshtam, Mina Mirian, Ilnaz Rahimmanesh, Zahra Hejazi, Mehran Modarres, Ina Laura Pieper, Hossein Khanahmad: *Disruption of SOX6 gene using CRISPR/Cas9 technology for gamma-globin reactivation: An approach towards gene therapy of β-thalassemia: SHARIATI et al.*. Journal of Cellular Biochemistry 07/2018; 119(Suppl 1)., DOI:10.1002/jcb.27253

M B Tavakoli, H Moradi, H Khanahmad, M Hosseini, I Rahimmanesh: *SmtDNA: A Geant4-DNA user application for evaluating radiation-induced damage in supercoiled mitochondrial DNA*. 07/2018;, DOI:10.31661/jbpe.v0i0.788

Tahereh Sadeghian-Rizi, Hossein Khanahmad, Ali Jahanian-Najafabadi: *Therapeutic Targeting of Chemokines and Chemokine Receptors in Multiple Sclerosis: Opportunities and Challenges*. CNS & neurological disorders drug targets 07/2018; 17(7)., DOI:10.2174/1871527317666180713111100

Azadeh Mohammadi-Farsani, Mehryar Habibi-Roudkenar, Majid Golkar, Mohammad Ali Shokrgozar, Ali Jahanian-Najafabadi, Hossein KhanAhmad, Samira Valiyari, Saeid Bouzari: *A-NGR fusion protein induces apoptosis in human cancer cells*. EXCLI Journal 06/2018; 17:590-597., DOI:10.17179/excli2018-1120

Nahid Mortazavidehkordi, Ali Fallah, Abbas Abdollahi, Vahid Kia, Hossein Khanahmad, Zahra Ghayour Najafabadi, Nooshin Hashemi, Bahareh Estiri, Zahra Roudbari, Ali Najafi, Akbar Farjadfar, Seyed Hossein Hejazi: *A lentiviral vaccine expressing KMP11-HASPB fusion protein increases immune response to Leishmania major in BALB/C*. Parasitology Research 05/2018; 117(Pt 1)., DOI:10.1007/s00436-018-5915-6

Reyhaneh Rabieian, Shiva Moein, Hossein Khanahmad, Mojgan Mortazavi, Yousof Gheisari: *Transcriptional noise in intact and TGF-beta treated human kidney cells; the importance of time-series designs: Transcriptional noise and time-series design*. Cell Biology International 05/2018; 42(9)., DOI:10.1002/cbin.10992

Hamidreza Mianesaz, Hossein Khanahmad, Mina Mirian, Maryam Boshtam, Seyed Nezamoddin Hoseini: *Using Enzyme-Linked Aptamer Assay to Detect Hepatitis B Surface Antigen in Comparison to Enzyme-Linked Immunosorbent Assay*. Journal of Isfahan Medical School 05/2018; 36(471):233-240., DOI:10.22122/jims.v36i471.9727

Mehdi Azami, VahidRanjkesh Adermanabadi, Hossein Khanahmad, MohammadAli Mohaghegh, Ebtesam Zaherinejad, Maryam Aghaei, Akram Jalali, SeyedHossein Hejazi: *Immunology and Genetic of Leishmania infantum: The Role of Endonuclease G in the Apoptosis*. Journal of research in medical sciences 04/2018; 23(1):36., DOI:10.4103/jrms.JRMS\_705\_17

Maryam Boshtam, Hossein Khanahmad Shahreza, Sadegh Feizollahzadeh, Ilnaz Rahimmanesh, Seddigheh Asgary: *Expression and Purification of Biologically Active Recombinant Rabbit Monocyte Chemoattractant Protein1 in Escherichia coli*. FEMS Microbiology Letters 03/2018; 365(9)., DOI:10.1093/femsle/fny070

Tahereh Sadeghian-Rizi, Fereshteh Alsahebfosoul, Mohammad Kazemi, Hossein Khanahmad, Ali Jahanian-Najafabadi: *Association of AIRE Polymorphism and the Susceptibility to Multiple Sclerosis in Iranian Population*. Avicenna Journal of Medical Biotechnology 03/2018; 10(2).

Mansoureh Haghighi, Hossein Khanahmad, Abbasali Palizban: *Selection and Characterization of Single-Stranded DNA Aptamers Binding Human B-Cell Surface Protein CD20 by Cell-SELEX*. Molecules 03/2018; 23(4):715., DOI:10.3390/molecules23040715

Tahereh Sadeghian-Rizi, Mahdi Behdani, Hossein Khanahmad, Pooria Ghasemi-Dehkordi, Hamid Mirmohammad Sadeghi, Ali Jahanian-Najafabadi: *Production of Novel Camelid Anti-CXCL10 Specific Polyclonal Antibodies and Evaluation of Their Bioreactivity*. International Journal of Peptide Research and Therapeutics 03/2018;, DOI:10.1007/s10989-018-9697-6

Akram Sadeghi, Ebrahim Esfandiary, Javad Hami, Hossein Khanahmad, Zahra Hejazi, Mohammad Mardani, Shahnaz Razavi: *The effects of maternal diabetes and insulin treatment on neurogenesis in the developing hippocampus of male rats*. Journal of Chemical Neuroanatomy 03/2018; 91., DOI:10.1016/j.jchemneu.2018.03.005

Mehdi Nikbakht-Dastjerdi, Iraj Rashidi, Hossein Khanahmad: *Belinostat effects on expression of RBM5 tumor suppressor gene and inhibits prostate cancer cell line (PC3) proliferation*. 03/2018; 15(3)., DOI:10.29333/ejgm/85956

Leila Darzi, Maryam Boshtam, Laleh Shariati, Shirin Kouhpayeh, Azam Gheibi, Mina Mirian, Ilnaz Rahimmanesh, Hossein Khanahmad, MohammadAmin Tabatabaiefar: *The silencing effect of MIR-30a on ITGA4 gene expression in vitro: An approach for gene therapy*. Research in pharmaceutical sciences 12/2017; 12(6):456., DOI:10.4103/1735-5362.217426

Faezeh Sabzehei, Shirin Kouhpayeh, MansourehShahbazi Dastjerdeh, Hossein Khanahmad, Rasoul Salehi, Shamsi Naderi, Razieh Taghizadeh, Parisa Rabiei, Zahra Hejazi, Laleh Shariati: *A Novel Prokaryotic Green Fluorescent Protein Expression System for Testing Gene Editing Tools Activity Like Zinc Finger Nuclease*. 11/2017; 6(1):155., DOI:10.4103/2277-9175.219420

Zohreh Baratieh, Zahra Khalaj, Mohammad Amin Honardoost, Modjtaba Emadi-Baygi, Hossein Khanahmad, Mansoor Salehi, Parvaneh Nikpour: *Aberrant expression of PlncRNA-1 and TUG1: Potential biomarkers for gastric cancer diagnosis and clinically monitoring cancer progression*. Biomarkers in Medicine 11/2017; 11(37)., DOI:10.2217/bmm-2017-0090

Jahangir Langari, Morteza Karimipoor, Majid Golkar, Hossein Khanahmad, Sirous Zeinali, Skandar Omidinia, RezaAhangari Cohan, Mahdi Behdani, Jalal Babaie, Roghaye Arezumand, Reza Moazami: *In Vitro Evaluation of Vegf-Pseudomonas Exotoxin: A Conjugated on Tumor Cells*. 11/2017; 6(1):144., DOI:10.4103/2277-9175.218691

Rina Sedighi, Azadeh Rahimi, Mohammad-Amin Honardoost, Seyed-Javad Mowla, Hossein Khanahmad, Modjtaba Emadi-Baygi, Parvaneh Nikpour: *The Human SNHG21 Locus Contains a Novel microRNA: Bioinformatics and Experimental Evidences*. 11/2017; 1(Supplementary 1)., DOI:10.21859/mci-supp-20

Zahra Khalaj, Zohreh Baratieh, Parvaneh Nikpour, Fariborz Mokarian, Hossein Khanahmad, Rasoul Salehi, Mansoor Salehi: *Comparison of TaqMan® Assay and PCR-sequencing Method for Analyzing CYP2D10\*6 and CYP2D4\*6 Alleles: a False Negative Issue*. 11/2017; 1(Supplementary 1)., DOI:10.21859/mci-supp-22

Mohammad Bagher Tavakoli, Habiballah Moradi, Hossein Khanahmad, Mohsen Hosseini: *Circular Mitochondrial DNA: A Geant4-DNA User Application for Evaluating Radiation-induced Damage in Circular Mitochondrial DNA*. 10/2017; 7(4):213-219., DOI:10.4103/jmss.JMSS\_23\_17

Vida Homayouni, Hossein Khanahmad, Mazdak Ganjalikhani-Hakemi, Mahdi Behdani, Pouria Ghasemi, Abbas Rezaei: *Stimulation of Camel Polyclonal Antibody against Human T cell Immunoglobulin and Mucin 3*. Iranian Journal of Biotechnology 09/2017; 15(3):166-171., DOI:10.15171/ijb.1427

Mehran modares, Laleh shariati, Zahra Hejazi, Mansoureh Shahbazi, Mohammad Amin Tabatabaiefar, Hossein Khanahmad: *Inducing indel mutation in the SOX6 Gene by Zinc Finger Nuclease for gamma reactivation: An Approach towards Gene Therapy of Beta Thalassemia: Gamma -globin induction using ZFN*. Journal of Cellular Biochemistry 09/2017; 119(3)., DOI:10.1002/jcb.26412

Shirin Kouhpayeh, Sadegh Feizollahzadeh, Ilnaz Rahimmansh, Hossein Khanahmad, Faezeh Sabzehei, Mazdak Ganjalikhani-hakemi, Alireza Andalib, Zahra Hejazi, Abbas Rezaei: *The Increase in Protein and Plasmid Yields of E. coli with Optimized Concentration of Ampicillin as Selection Marker*. Iranian Journal of Biotechnology 08/2017; 15(2)., DOI:10.15171/ijb.1467

Shirin Kouhpayeh, Zahra Hejazi, Hossein Khanahmad, Abbas Rezaei: *Real-time PCR: An appropriate approach to confirm ssDNA generation from PCR product in SELEX process*. Iranian Journal of Biotechnology 08/2017; 15(2):143-148., DOI:10.15171/ijb.1550

Azadeh Mohammadi-Farsani, Ali Jahanian-Najafabadi, Mehryar Habibi-Roudkenar, Majid Golkar, Mohammad Ali Shokrgozar, Hossein KhanAhmad, Maryam Golshani, Samira Valiyari, Saeid Bouzari: *Cloning, Expression, and Assessment of Cytotoxic Effects of A-NGR Fusion Protein*. International Journal of Peptide Research and Therapeutics 08/2017; 24(3)., DOI:10.1007/s10989-017-9621-5

M.M. Amin, H. Khanahmad, F. Teimouri, M. Sadani, M.A. Karami, I. Rahimmanesh: *Improvement of biodegradability of explosives using anaerobic- intrinsic bioaugmentation approach*. Bulgarian Chemical Communications 07/2017; 49(3):735.

I. Rahimmanesh, H. Khanahmad, M. Boshtam, S. Kouhpayeh, Z. Hejazi: *Cell surface display of rabbit MCP1 on human embryonic kidney 293T cell line*. Indian Journal of Biotechnology 07/2017; 16(3):284-288.

Laleh Shiri, Modjtaba Emadi-Baygi, Majdaddin Rezaei, Hossein Khanahmad, Parvaneh Nikpour: *Evaluation of the expression of Hottip long noncoding RNA in the B16F10 murine melanoma cell line*. 06/2017; 19(2):46-54.

M. M. Amin, H. Khanahmad, F. Teimouri, M. Sadani, M. A. Karami, M. Hatamzadeh: *Effect of Monorhamnolipid Contribution on Anaerobic-Natural Attenuation of Explosives in Contaminated Soils*. Journal of Environmental Engineering 04/2017; 143(8):04017035., DOI:10.1061/(ASCE)EE.1943-7870.0001227

Mina Mirian, Hossein Khanahmad, Leila Darzi, Mansour Salehi, Hojjat Sadeghi-Aliabadi: *Oligonucleotide aptamers: potential novel molecules against viral hepatitis*. Research in pharmaceutical sciences 04/2017; 12(2):88., DOI:10.4103/1735-5362.202447

Abbasali Palizban, Mahnaz Rezaei, Hossein Khanahmad, Mohammad Fazilati: *Transcription factor 7-Like 2 polymorphism and context-specific risk of metabolic syndrome, type 2 diabetes, and dyslipidemia*. Journal of research in medical sciences 03/2017; 22(1):40., DOI:10.4103/1735-1995.202141

Rasoul Salehi, Sharifeh Khosravi, Mansour Salehi, Majid Kheirollahi, Hossein Khanahmad: *Simple and Easy to Perform Preimplantation Genetic Diagnosis for β-thalassemia Major Using Combination of Conventional and Fluorescent Polymerase Chain Reaction*. 03/2017; 6(1):23., DOI:10.4103/2277-9175.201682

M. Mirian, H. Khanahmad, L. Darzi, M. Salehi, H. Sadeghi-Aliabadi: *Oligonucleotide aptamers: Potential novel molecules against viral hepatitis*. DOI:10.4103/17355362.202447

Maryam Boshtam, Seddigheh Asgary, Shirin Kouhpayeh, Laleh Shariati, Hossein Khanahmad: *Aptamers Against Pro- and Anti-Inflammatory Cytokines: A Review*. Inflammation 11/2016; 40(1)., DOI:10.1007/s10753-016-0477-1

Sadegh Feizollahzadeh, Hossein Khanahmad, Ilnaz Rahimmanesh, Mazdak Ganjalikhani-hakemi, Alireza Andalib, Mohammad Hossein Sanei, Abbas Rezaei: *Expression of biologically active murine interleukin 18 (IL-18) in Lactococcus lactis*. FEMS Microbiology Letters 11/2016; 363(21):fnw234., DOI:10.1093/femsle/fnw234

Vida Homayouni, Mazdak Ganjalikhani-hakemi, Abbas Rezaei, Hossein Khanahmad, Mahdi Behdani, Fatemeh Kazemi Lomedasht: *Preparation and characterization of a novel nanobody against T-cell immunoglobulin and mucin-3 (TIM-3)*. Iranian Journal of Basic Medical Sciences 11/2016; 19(11-11):1201-1208., DOI:10.22038/ijbms.2016.7820

Sadegh Feizollahzadeh, Reza Ghiasvand, Abbas Rezaei, Hossein Khanahmad, Akram sadeghi, Mitra Hariri: *Effect of Probiotic Soy Milk on Serum Levels of Adiponectin, Inflammatory Mediators, Lipid Profile, and Fasting Blood Glucose Among Patients with Type II Diabetes Mellitus*. Probiotics and Antimicrobial Proteins 10/2016; 9(1)., DOI:10.1007/s12602-016-9233-y

Nasrin Heydari, Laleh Shariati, Hossein Khanahmad, Zahra Hejazi, Mansoureh Shahbazi, Mansoor Salehi: *Gamma reactivation using the spongy effect of KLF1-binding site sequence: An Approach in the Gene therapy ofbeta-thalassemia*. Iranian Journal of Basic Medical Science 10/2016; 19(10):1063-069., DOI:10.22038/ijbms.2016.7731

Mina Mirian, Razieh Taghizadeh, Hossein Khanahmad, Mansour Salehi, Ali Jahanian-Najafabadi, Hojjat Sadeghi-aliabadi, Shirin Kouhpayeh: *Exposition of hepatitis B surface antigen (HBsAg) on the surface of HEK293T cell and evaluation of its expression*. Research in pharmaceutical sciences 10/2016; 11(5):366., DOI:10.4103/1735-5362.192485

Roghaye Arezumand, Reza Mahdian, Sirous Zeinali, Gholamreza Hassanzadeh-Ghassabeh, Kamran Mansouri, Hossein Khanahmad, Nabiollah Namvar-asl, Hamzeh Rahimi, Mahdi Behdani, Reza Ahangari Cohan, Mehdi Eavazalipour, Ali Ramazani, Serge Muyldermans: *Identification and characterization of a novel nanobody against human placental growth factor to modulate angiogenesis*. Molecular Immunology 10/2016; 78:183-192., DOI:10.1016/j.molimm.2016.09.012

Laleh Shariati, Hossein Khanahmad, Mansoor Salehi, Zahra Hejazi, Ilnaz Rahimmaesh, Mohammad Amin Tabatabaiefar, Mohammad Hossein Modarressi: *Genetic disruption of the KLF1 gene to overexpress gamma-globin gene using CRISPR/ Cas9 system: KLF1 modification to overexpress ?-globin by CRISPR*. The Journal of Gene Medicine 09/2016; 18(10)., DOI:10.1002/jgm.2928

Nader Pestechian, Hosein Khanahmad Shahreza, Roghiyeh Faridnia, Hamed Kalani: *Manipulation of IL-10 gene expression by Toxoplasma gondii and its products*. Medical journal of the Islamic Republic of Iran 09/2016; 30(1):410.

SeyedHamed Mirhoseini, Mahnaz Nikaeen, Hossein Khanahmad, Akbar Hassanzadeh: *Occurrence of airborne vancomycin- and gentamicin-resistant bacteria in various hospital wards in Isfahan, Iran*. 08/2016; 5(1)., DOI:10.4103/2277-9175.187399

Akram Sadeghi, Ebrahim Esfandiary, Javad Hami, Hossein Khanahmad, Zahra Hejazi, Shahnaz Razavi: *Effect of maternal diabetes on gliogensis in neonatal rat hippocampus*. 08/2016; 5(1)., DOI:10.4103/2277-9175.187376

Nahid Mortazavidehkordi, Akbar Farjadfar, Hossein Khanahmad, Zahra Ghayour Najafabadi, Nooshin Hashemi, Ali Fallah, Ali Najafi, Vahid Kia, Seyed Hossein Hejazi: *Evaluation of a novel lentiviral vaccine expressing KMP11-HASPB fusion protein against Leishmania infantum in BALB/c mice*. Parasite Immunology 08/2016; 38(11)., DOI:10.1111/pim.12356

S Kouhpayeh, A R Einizadeh, Z Hejazi, M Boshtam, L Shariati, M Mirian, L Darzi, M Sojoudi, H Khanahmad, A Rezaei: *Antiproliferative effect of a synthetic aptamer mimicking androgen response elements in the LNCaP cell line*. Cancer gene therapy 07/2016; 23(8)., DOI:10.1038/cgt.2016.26

Haniyeh Fooladinezhad, Hossein Khanahmad, Mazdak Ganjalikhani-Hakemi, Abbas Doosti: *Negative regulation of TIM-3 expression in AML cell line (HL-60) using miR-330-5p*. British journal of biomedical science 06/2016; 73(3):1-5., DOI:10.1080/09674845.2016.1194564

Saied Mostaan, Bahador Yazdanpanah, Rasool Moukhah, HamidReza Hozouri, Manouchehr Rostami, Mohsen Khorashadizadeh, Javad Zerehsaz, Ramin PirhajatiMahabadi, Arya Saadi, Hossein Khanahmad, Mohammad Pooya: *Adverse effects of BCG vaccine 1173 P2 in Iran: A meta-analysis*. 06/2016; 5(1):99., DOI:10.4103/2277-9175.183659

Nader Pestechian, Hosein Khanahmad, Hamed Kalani: *The Increased Gene Expression Level of TGF-β1Affected by Toxoplasma gondii Lysate Product*. 05/2016; 7(Special Issue3):802-808.

Nader Pestechian, Hosein Khanahmad Shahreza, Ahmad Daryani, Hosein Ali Yousefi, Hamed Kalani: *Downregulation of IL-10R1 and IL-10R2: a Possible Strategy by which the Intermediate Host Struggles to Control Toxoplasma gondii Infection*. 05/2016; 7(Special Issue3):794-801.

Laleh Shariati, Mehran Modaress, Hossein Khanahmad, Zahra Hejazi, Mohammad Amin Tabatabaiefar, Mansoor Salehi, Mohammad Hossein Modarressi: *Comparison of different methods for erythroid differentiation in the K562 cell line*. Biotechnology Letters 04/2016; 38(8)., DOI:10.1007/s10529-016-2101-8

Hamed Kalani, Hosein Khanahmad Shahreza, Ahmad Daryani, Hosein Ali Yousefi, Nader Pestechian, Vahid Mansouri: *The gene expression level of IFN-γR1 and IFN-γR2 in a murine model treated with Toxoplasma gondii and its products*. Gastroenterology and hepatology from bed to bench 04/2016; 9(2):124-131.

Marzieh Asadi, Roger Foo, MohammadReza Samienasab, AhmadReza Salehi, Majid Kheirollahi, Hossein Khanahmad, Rasoul Salehi: *Genetic analysis of Iranian family with hereditary cardiac arrhythmias by next generation sequencing*. 03/2016; 5(1):55., DOI:10.4103/2277-9175.178801

Mahsa Kolahdouz, Mahin Hashemipour, Hossein Khanahmad, Bahareh Rabbani, Mansoor Salehi, Ali Rabbani, Arman Ansari, MonaMobalegh Naseri: *Mutation detection of CYP21A2 gene in nonclassical congenital adrenal hyperplasia patients with premature pubarche*. 03/2016; 5(1):33., DOI:10.4103/2277-9175.178794

Seyed Hamed Mirhoseini, Mahnaz Nikaeen, Zahra Shamsizadeh, Hossein Khanahmad: *Hospital air: A potential route for transmission of infections caused by β-lactam–resistant bacteria*. American journal of infection control 03/2016; 44(8)., DOI:10.1016/j.ajic.2016.01.041

Seyedeh Maryam Sharafi, Raheleh Rafiei, Mahboubeh Hadipour, Hedayat Shirzad, Hossein Khanahmad, Hossein Yousofi Darani: *A Nonglycosylated 27 KDa Molecule as Common Antigen between Human Breast Cancer and Echinococcus granulosus Hydatid Cyst Wall*. Advances in Breast Cancer Research 01/2016; 05(02):90-95., DOI:10.4236/abcr.2016.52010

Nahid Eskandari, Mohammad Alihassanzadeh, Mazdak Ganjalikhani-Hakemi, Roya Sherkat, Hossein Khanahmad, Yaghub Yazdani: *Evaluation of BAFF-R Mutations in Iranian Patients with Common Variable Immune Deficiency (CVID)Nahid Eskandari1 , Mohammad Alihassanzadeh2 , Mazdak Ganjalikhani-Hakemi1\* , Roya Sherkat3 , Hossein Khanahmad4, Yaghub Yazdani5*.

F Pourzadegan, L Shariati, R Taghizadeh, H Khanahmad, Z Mohammadi, M A Tabatabaiefar: *Using intron splicing trick for preferential gene expression in transduced cells: An approach for suicide gene therapy*. Cancer gene therapy 12/2015; 23(1)., DOI:10.1038/cgt.2015.57

Monireh Gholizadeh, Hossein Khanahmad, Arash Memarnejadian, Mohammad Reza Aghasadeghi, Farzin Roohvand, Seyed Mehdi Sadat, Reza Ahangari Cohan, Ali Nazemi, Fatemeh Motevalli, Vahid Asgary, Roghaye Arezumand: *Design and expression of fusion protein consists of HBsAg and Polyepitope of HCV as an HCV potential vaccine*. 12/2015; 4:243., DOI:10.4103/2277-9175.168610

Seyed Hamed Mirhoseini, Mahnaz Nikaeen, Hossein Khanahmd, Maryam Hatamzadeh, Akbar Hassanzadeh: *Monitoring of airborne bacteria and aerosols in different wards of hospitals – Particle counting usefulness in investigation of airborne bacteria*. Annals of agricultural and environmental medicine: AAEM 12/2015; 22(4):670-673., DOI:10.5604/12321966.1185772

Mina Ebrahimi, Tohid Kazemi, Mazdak Ganjalikhani-Hakemi, Jafar Majidi, Hossein Khanahmad, Ilnaz Rahimmanesh, Vida Homayouni, Shirin Kohpayeh: *Development of a Stable Cell Line, Overexpressing Human T-cell Immunoglobulin Mucin 1*. Iranian Journal of Biotechnology 12/2015; 13(4)., DOI:10.15171/ijb.1350

Mansoureh Shahbazi Dastjerdeh, Shirin Kouhpayeh, Faezeh sabzehei, Hossein Khanahamd, Mansour Salehi, Zahra mohammadi, Laleh Shariati, Zahra Hejazi, Parisa Rabiei, Mostafa Manian: *Zinc Finger Nuclease: A New Approach to Overcome Beta-Lactam Antibiotic Resistance*. Jundishapur Journal of Microbiology 10/2015; 9(1)., DOI:10.5812/jjm.29384

Shamsi Naderi Beni, Shirin Kouhpayeh, Zahra Hejazi, Nahid Heidari Hafshejani, Hossein Khanahmad: *Construction and Characterization of Recombinant HEK Cell Over Expressing α4 Integrin*. Advanced Pharmaceutical Bulletin 09/2015; 5(3):429-434., DOI:10.15171/apb.2015.058

Zahra Mohammadi, Laleh Shariati, Hossein Khanahmad, Mahsa Kolahdouz, Fariborz Kianpoor, Jahan Afrooz Ghanbari, Zahra Hejazi, Mansoor Salehi, Parvaneh Nikpour, Mohammad Amin Tabatabaiefar: *A Lentiviral Vector Expressing Desired Gene Only in Transduced Cells: An Approach for Suicide Gene Therapy*. Molecular Biotechnology 05/2015; 57(9)., DOI:10.1007/s12033-015-9872-3

Nahid Heidari-Hafshejani, Shamsi Naderi, Rasoul Salehi, Parvaneh Nikpour, Mehran Modares-Sadeghi, Zahra Hejazi, Hossein Khanahmad: *Construction and Characterization of Recombinant HEK Cell Over-Expressing TOSO/FAIM3 and Evaluation of its Expression*. Journal of Isfahan Medical School 04/2015; 33(324):171-182.

Roghaye Arezumand, Mahdi Behdani, Reza Mahdian, Hossein Khanahmad, Jahangir Langari, Reza Ahangari Cohan, Monireh Gholizadeh, Sirous Zeinali: *Camel Heavy Chain Polyclonal Antibody Raised Against Recombinant Murine Placental Growth Factor Expressed in Escherichia coli*. Monoclonal Antibodies in Immunodiagnosis and Immunotherapy 04/2015; 34(2):126-130., DOI:10.1089/mab.2014.0051

Mona Moballegh-Naseri, Hosein Khanahmad, Vida Homayouni, Mazdak Ganjalikahni-Hakemi, Mansour Salehi, Ilnaz Rahim-Manesh, Razieh Taghizadeh, Mahsa Kolahdooz: *Producing Recombinant HEK293 T-cells with High Expression of T-cell Immunoglobulin and Mucin Domain-3 (Tim3) Protein*. Journal of Isfahan Medical School 03/2015; 32(317).

Mahsa Kolahdouz, Zahra Mohammadi, Parisa Kolahdouz, Masoud Tajamolian, Hossein Khanahmad: *Pitfalls in molecular diagnosis of 21-hydroxylase deficiency in congenital adrenal hyperplasia*. 02/2015; 4., DOI:10.4103/2277-9175.164009

Sheikholeslami F, Khanahmad H, Ajorloo M, Ahangari Cohan R, Karimi Z, Norouzian D: *Original Article Development of qRT-PCR Test for Quantification of Rubella Virus in Commercially Available Vaccines*. 02/2015; 9(1):1-6., DOI:10.21859/isv.9.1.1

Mohsen Khorashadizadeh, Masoud Soleimani, Hossein Khanahmad, Ali Fallah, Mahmood Naderi, Mohammadreza Khorramizadeh: *Bypassing the need for pre-sensitization of cancer cells for anticancer TRAIL therapy with secretion of novel cell penetrable form of Smac from hA-MSCs as cellular delivery vehicle*. Tumor Biology 01/2015; 36(6)., DOI:10.1007/s13277-015-3058-2

Saied Mostaan, Mehdi Ajorloo, Hossein Khanahmad, Reza Ahangari Cohan, Zahra Rikhtegaran Tehrani, Maryam Rezaei, Fateme Fazeli, Sakineh Karimi Zare, Zeinab Karimi, Seyed Hamid Reza Mozhgani, Rasul Moukhah: *A novel combined method for cost–benefit production of DNA ladders*. Biomedical Research 01/2015;, DOI:10.4103/2277-9175.148298

Maryam Yazdanian, Arash Memarnejadian, Mehdi Mahdavi, Fatemeh Motevalli, Seyed Mehdi Sadat, Rouhollah Vahabpour, Hossein Khanahmad, Hoorieh Soleimanjahi, Agata Budkowska, Farzin Roohvand: *Evaluation of cellular responses for a chimeric HBsAg-HCV core DNA vaccine in BALB/c mice*. 01/2015; 4(1):13., DOI:10.4103/2277-9175.148296

Hoda Mohammad Dezashibi, Hossein Khanahmad: *The Role of MCP-1(Monocyte Chemoattractant Protein-1) in Restenosis*. Biosciences Biotechnology Research Asia 12/2014; 11(3):1289-1298., DOI:10.13005/bbra/1518

Fatemeh Kazemi-Lomedasht, Mahdi Behdani, Kamran Pooshang Bagheri, Mahdi Habibi Anbouhi, Mohsen Abolhassani, Hossein Khanahmad, Delavar Shahbazzadeh, Hasan Mirzahoseini: *Expression and Purification of Functional Human Vascular Endothelial Growth Factor-A 121 ; the Most Important Angiogenesis Factor*. Advanced Pharmaceutical Bulletin 12/2014; 4(4)., DOI:10.5681/apb.2014.047

Zahra Dorosti, Sepideh Tolouei, Hossein Khanahmad, Rasool Jafari, Fereshteh Jafaee, Seyedeh Marayam Sharafi, Hossein Yousofi Darani: *IL-4 gene expression in adventitial layer (fibrous layer) of hepatic ovine and bovine hydatid cysts*. Journal of parasitic diseases 11/2014;, DOI:10.1007/s12639-014-0593-5

Fatemeh Ahangari, Rasoul Salehi, Mansour Salehi, Hosein Khanahmad: *A miRNA-binding site single nucleotide polymorphism in the 3 ' UTR region of the NOD2 gene is associated with colorectal cancer*. Medical Oncology 09/2014; 31(9):173., DOI:10.1007/s12032-014-0173-7

Jahangir Langari, Majid Golkar, Hossein Khanahmad, Morteza Karimipoor, Roghayeh Arezumand, Ramazan Behzadi, Reza Ahangari-Cohan: *Cloning, Expression and Evaluation of Pseudomonas Aeruginosa Exotoxin A*. Journal of Isfahan Medical School 07/2014; 32(294):1110-1118.

Rahim Aali, Mahnaz Nikaeen, Hossein Khanahmad, Akbar Hassanzadeh: *Monitoring and Comparison of Antibiotic Resistant Bacteria and Their Resistance Genes in Municipal and Hospital Wastewaters*. International journal of preventive medicine 07/2014; 5(7):887-894.

Najmeh Yardehnavi, Mahdi Behdani, Kamran Pooshang Bagheri, Amir Mahmoodzadeh, Hossein Khanahmad, Delavar Shahbazzadeh, Mahdi Habibi-Anbouhi, Gholamreza Hassanzadeh Ghassabeh, Serge Muyldermans: *A camelid antibody candidate for development of a therapeutic agent against Hemiscorpius lepturus envenomation*. The FASEB Journal 06/2014; 28(9)., DOI:10.1096/fj.13-247478

Roghaye Arezumand, Reza Mahdian, Mahdi Behdani, Hossein Khanahmad, Jahangir Langari, Nabiollah Namvarasl, Reza Hassanzadeh-Ghasabeh, Sirous Zeinali: *Recombinant expression and purification of human placental growth factor 1 and specific camel heavy chain polyclonal antibody preparation*. Saudi Journal of Biological Sciences 03/2014; 21(1):35–39., DOI:10.1016/j.sjbs.2013.04.008

H. Mirzapour, A. Karamzade, H. Khanahmad, R. Salehi, M. Kheirollahi: *Comparison of inserted mouse IP-10 gene copy number in helper-dependent and independent system based on PiggyBac transposition in human embryonic kidney cells*. Journal of Isfahan Medical School 01/2014; 32(275).

Rahim Aali, Mahnaz Nikaeen, Hossein Khanahmad, Zahra Hejazi, Mohammad Kazemi, Akbar Hassanzadeh: *Occurrence of tetracycline resistant bacteria and resistance gene (fetW) in hospital and municipal wastewaters*. Fresenius Environmental Bulletin 01/2014; 23(10A):2560-2566.

Maryam Yazdanian, Arash Memarnejadian, Mehdi Mahdavi, Seyed Mehdi Sadat, Fatemeh Motevali, Rouhollah Vahabpour, Hossein Khanahmad, Seyed Davar Siadat, Mohammad Reza Aghasadeghi, Farzin Roohvand: *Immunization of Mice by BCG Formulated HCV Core Protein Elicited Higher Th1-Oriented Responses Compared to Pluronic-F127 Copolymer*. Hepatitis Monthly 10/2013; 13(10):e14178., DOI:10.5812/hepatmon.14178

M.-S. Mojadadi, R. Golmohammadi, H. Khanahmad, O. Gholami: *Evaluating the effect of IL-27-transfected mesenchymal stem cells on certain histological and immunological parameters in a mouse model of experimental autoimmune encephalomyelitis*. Journal of Isfahan Medical School 10/2013; 31(249):1270-1284.

Rezvan Bagheri, Bahareh Rabbani, Nejat Mahdieh, Hossein Khanahmad, Mansour Abachi, Soheila Asgari: *PCR-ELISA: a diagnostic assay for identifying Iranian HIV seropositives*. Molekuliarnaia genetika, mikrobiologiia i virusologiia 07/2013; 28(3):36-9., DOI:10.3103/S0891416813030026

M. Maneian, S.H. Zarkesh Esfahani, M. Akbari, H. Khanahmad, M. Masjedi: *Production of polyclonal antibody against recombinant growth hormone and designing an ELISA kit and comparing some of its diagnostics indices with a commercial kit*. Journal of Isfahan Medical School 01/2013; 31(247):1173-1184.

Mojadadi Mohammad, Ebtekar Masoumeh, Golkar Majid, Khanahmad Hossein: *Immunomodulatory effects of Interleukin-27 on active experimental autoimmune encephalomyelitis*. Frontiers in Immunology 01/2013; 4., DOI:10.3389/conf.fimmu.2013.02.00560

Mahdi Behdani, Sirous Zeinali, Morteza Karimipour, Hossein Khanahmad, Steve Schoonooghe, Azam Aslemarz, Negar Seyed, Reza Moazami-Godarzi, Farzad Baniahmad, Mahdi Habibi-Anbouhi, Gholamreza Hassanzadeh-Ghassabeh, Serge Muyldermans: *Development of VEGFR2-specific Nanobody Pseudomonas exotoxin A conjugated to provide efficient inhibition of tumor cell growth*. New Biotechnology 09/2012; 30(2)., DOI:10.1016/j.nbt.2012.09.002

Touraj Farazmandfar, Hossein Khanahmad Shahreza, Mohammad Reza Haghshenas, Ghasem Janbabai, Hossein Azadeh, Nader Mansour Samaei: *Use of Integrase-Minus Lentiviral Vector for Transient Expression*. Cell Journal 08/2012; 14(2):76-81.

Mahdi Behdani, Sirous Zeinali, Morteza Karimipour, Hossein Khanahmad, Nader Asadzadeh, Kayhan Azadmanesh, Negar Seyed, Seyed Farzad Baniahmad, Mahdi Habibi Anbouhi: *Expression, purification, and characterization of a diabody against the most important angiogenesis cell receptor: Vascular endothelial growth factor receptor 2*. 08/2012; 1(1):34., DOI:10.4103/2277-9175.100126

Mahin Hashemipour, Fahimeh Soheilipour, Sakineh Karimizare, Hossein Khanahmad, Morteza Karimipour, Sepideh Aminzadeh, Leila Kokabee, Massoud Amini, Silva Hovsepian, Rezvaneh Hadian: *Thyroid Peroxidase Gene Mutation in Patients with Congenital Hypothyroidism in Isfahan, Iran*. International Journal of Endocrinology 08/2012; 2012(12):717283., DOI:10.1155/2012/717283

Mahdi Habibi Anbouhi, Aida Feiz Barazandeh, Saeid Bouzari, Mohsen Abolhassani, Hossein Khanahmad, Majid Golkar, Mohammad Reza Aghasadeghi, Mahdi Behdani, Ali Jahanian-Najafabadi, Mohammad Ali Shokrgozar: *Functional Recombinant Extra Membrane Loop of Human CD20, an Alternative of the Full Length CD20 Antigen*. Iranian biomedical journal 07/2012; 16(3):121-6., DOI:10.6091/ibj.1082.2012

Mahdi Habibi Anbouhi, Mohsen Abolhassani, Saeid Bouzari, Hossein Khanahmad, Mohammad Reza Aghasadeghi, Armin Madadkar-Sobhani, Amir Amanzadeh, Mahdi Behdani, Mohammad Ali Shokrgozar: *Immunological evaluation of predicted linear B-cell epitopes of human CD20 antigen*. Biotechnology and Applied Biochemistry 05/2012; 59(3):186-92., DOI:10.1002/bab.1012

S.M. Hassanzadeh, A. Fayaz, A. Zavareh, H. Khanahmad, A. Ramezani: *Comparison of four different types of carriers for the growth of Vero cells and propagating rabies virus for production of human rabies vaccine*. Journal of Zanjan University of Medical Sciences and Health Services 01/2012; 20(78).

Mahdi Behdani, Sirous Zeinali, Hossein Khanahmad, Morteza Karimipour, Nader Asadzadeh, Keyhan Azadmanesh, Alireza Khabiri, Steve Schoonooghe, Mahdi Habibi Anbouhi, Gholamreza Hassanzadeh-Ghassabeh, Serge Muyldermans: *Generation and characterization of a functional Nanobody against the vascular endothelial growth factor receptor-2; angiogenesis cell receptor*. Molecular Immunology 12/2011; 50(1-2):35-41., DOI:10.1016/j.molimm.2011.11.013

Mohammad Hamid, Frouzandeh Mahjoubi, Mohammad Taghi Akbari, Hossein Khanahmad, Fatemeh Jamshidi, Sirous Zeinali, Morteza Karimipoor: *Transient Expression Assay of γ-588 (A/G) Mutations in the K562 Cell Line*. Iranian biomedical journal 11/2011; 15(1-2):15-21.

Ahmad Maleki, Armin Madadkar-Sobhani, Farzin Roohvand, Abdolhossein R Najafabadi, Abbas Shafiee, Hossein Khanahmad, Reza A Cohan, Nabiallah Namvar, Hosnieh Tajerzadeh: *Design, modeling, and expression of erythropoietin cysteine analogs in Pichia pastoris: Improvement of mean residence times and in vivo activities through cysteine-specific PEGylation*. European journal of pharmaceutics and biopharmaceutics: official journal of Arbeitsgemeinschaft fur Pharmazeutische Verfahrenstechnik e.V 10/2011; 80(3):499-507., DOI:10.1016/j.ejpb.2011.10.017

Ahmad Maleki, Abdolhossein Rouholamini Najafabadi, Farzin Roohvand, Abbas Shafiee, Hossein Khanahmad, Homa Faghihi, Mohammad H Hedayati, Hosnieh Tajerzadeh: *Evaluation of Bioactivity and Pharmacokinetic Characteristics of PEGylated P.pastoris -Expressed Erythropoietin*. Drug Delivery 09/2011; 18(8):570-7., DOI:10.3109/10717544.2011.600782

Reza Ahangari Cohan, Armin Madadkar-Sobhani, Hossein Khanahmad, Farzin Roohvand, Mohammad Reza Aghasadeghi, Mohammad Hossein Hedayati, Zahra Barghi, Mehdi Shafiee Ardestani, Davoud Nouri Inanlou, Dariush Norouzian: *Design, modeling, expression, and chemoselective PEGylation of a new nanosize cysteine analog of erythropoietin*. International Journal of Nanomedicine 06/2011; 6(default):1217-27., DOI:10.2147/IJN.S19081

Massoud Saidijam, Hossein Khanahmad Shahreza, Zahra Rikhtegaran Tehrani, Sakineh Karimizare, Nooshin Shabab, Mehdi Behdani: *Designing and constructing an 100 bp DNA Ladder by combining PCR and enzyme digestion methods*. Tehran University Medical Journal 05/2011; 69(2):75-82.

Baharak Abdemami, Mohammad Ali Shokrgozar, Hossein Khanahmad Shahreza, Mehdi Ghavami: *Design and Construction of Two Yeast Shuttle Vectors Containing Human Procollagen Genes Expression Cassette for Expression in Yeast*. 02/2011; 3(1):11-8.

Reza Arabi, Farzin Roohvand, Daryoush Norouzian, Soroush Sardari, Mohammad Reza Aghasadeghi, Hosein Khanahmad, Arash Memarnejadian, Fatemeh Motevalli: *A Comparative Study on the Activity and Antigenicity of Truncated and Full-Length forms of Streptokinase*. Polish journal of microbiology / Polskie Towarzystwo Mikrobiologów = The Polish Society of Microbiologists 01/2011; 60(3):243-51., DOI:10.33073/pjm-2011-034

Davoud Nouri Inanlou, Bagher Yakhchali, Hossein Khanahmad, Mossa Gardaneh, Hesam Movassagh, Reza Ahangari Cohan, Mehdi Shafiee Ardestani, Reza Mahdian, Sirous Zeinali: *Towards β-globin gene-targeting with integrase-defective lentiviral vectors*. Biotechnology Letters 11/2010; 32(11):1615-21., DOI:10.1007/s10529-010-0351-4

Ahmad Maleki, Farzin Roohvand, Hosnieh Tajerzadeh, Hossein Khanahmad, Maryam B Nobari, Ahmad Beiruti, Abdolhossein Rouholamini Najafabadi: *High Expression of Methylotrophic Yeast-Derived Recombinant Human Erythropoietin in a pH-Controlled Batch System*. 10/2010; 2(4):197-206.

Mojhgan Shaikhpoor, M Sc, Hossein Khanahmad, Mohamadali Shokrgozar, Masood Soleimani, Bahman Zainali, Esmat Kamali, Seyedeh Soghra Moosavi, Sirous Zeinali: *Transfection of Human Hematopoietic Stem Cells by a Gene Targeting Construct Containing the β-Globin Gene*. Yakhteh 06/2010; 12(2).

Nastaran Monzavi, Mohamad Reza Aghasadeghi, Reza Arabi, Arash Memarnejadian, Mehdi Sadat, Hossein Khanahmad, Melania Ebrahimi, Farzin Roohvand: *Design, cloning, expression and evaluation of cysteine-substitutes of intact and truncated molecules of streptokinase*. Physiology and Pharmacology 03/2010; 14(1).

Maryam Bikhof Torbati, Hossein Khanahmad, Fatemeh Jamshidi, Morteza Karimipor, Majid Sadeghizadeh, Mohamad Ali Shokrgozar, Amir Amanzadeh, Sirus Zeinali: *HIV type 1-based particles effect in transduction of HT1080 cell line: A technique in β-thalassemia gene therapy*.

Zeinab Karimi, Y. Talebkhan, N. Afkhami, Samaneh Saberi, M. Douraghi, A. Oghalaie, H. Khanahmad Shahreza, Marjan Mohammadi: *Development of Serologic Method for Screening of H. pylori Infection in High-Risk Patients*. Helicobacter 08/2009; 14:338.

Rahele Amirkhah, Hossein Khanahmad, Mohammad Abolhassani, Mohammad Pooya, Hesam Movassagh, Mohammad Ali Shokrgozar: *Improvement of bladder cancer immunotherapy by creating a recombinant Bacille Calmette-Guérin which secrets p53 protein*. Medical Hypotheses 06/2009; 72(6):754., DOI:10.1016/j.mehy.2009.01.035

Davoud Nouri Inanlou, Bagher Yakhchali, Hossein Khanahmad, Mossa Gardaneh, Hesam Movassagh, Aida Feiz Barazandeh2 Tooraj Farazmandfar, Sirous Zeinali: *Integrase minus lentiviral vector: A suitable vector for β-thalassemia gene targeting*. Iranian Journal of Medical Hypotheses and Ideas 05/2009; 3(1).

Z Karimi, Y Talebkhan, N Afkhami, S Saberi, M Douraghi, A Oghalaie, H Khanahmad Shahreza, M Mohammadi: *Development of Serologic Method for Screening of H. pylori Infection in High-Risk Patients*. Helicobacter 01/2009; 14:338.

Sepideh Aminzadeh Gohari, H. Khanahmad, M. Karimipour, P. Yaghmaei, S. Karimi Zare, F. Jamshidi: *Designing and Constructing a Plasmid with Mitochondrial Origin of Replication and Evaluating Its Replication in Human Cell Lines*.

Bahareh Rabbani, Hossein Khanahmad, Rezvan Bagheri, Nejat Mahdieh, Sirous Zeinali: *Characterization of minor bands of STR amplification reaction of FVIII gene by PCR cloning*. Clinica Chimica Acta 09/2008; 394(1-2):114-5., DOI:10.1016/j.cca.2008.03.003

Hesam Movassagh, Sima Rafati, Bahador Yazdanpanah, Forough Khadem, Hossein Khanahmad Shahreza, Mohammad Pooya, Tayebeh Sohrabi, Manouchehr Rostami Baroei, Rasool Moukhah, Mohammad Abolhassani: *Evaluation of pro/anti inflammatory responses after rectal administration of Mycobacterium bovis BCG*. Clinical Microbiology and Infection 05/2008; 14:S379.

B Rabbani, A Rezaeian, H Khanahmad, R Bagheri, E Kamali, S Zeinali: *Analysing two dinucleotide repeats of FVIII gene in Iranian population*. Haemophilia 12/2007; 13(6):740-4., DOI:10.1111/j.1365-2516.2007.01471.x

H Khanahmad, M. R. Noori Daloii, M.A. Shokrgozar, K Azadmanesh, A.R. Niavarani, M Karimi, B Rabbani, M Khalili, R Bagheri, F Maryami, S Zeinali: *A novel single step double positive double negative selection strategy for P-globin gene replacement*. Biochemical and Biophysical Research Communications 07/2006; 345(1):14-20., DOI:10.1016/j.bbrc.2006.04.060

H Khanahmad, K Azadmanesh, MA Shokrgozar, AR Niavarani, M Karimi, B Rabbani, M Khalili, R Bagheri, F Maryami, S Zeinali: *Design and constructing pBGGT Plasmid: a carrier plasmid for Betathalassaemia gene targeting*.

Patents

Conference Proceedings

Tahereh Sadeghiyan, Fereshteh Alsahebfosoul, Mohammad Kazemi, Hossein Khanahmad, Ali Jahanian-Najafabadi: *Identification of AIRE genetic variant associated with MS patients in Iran*. ICI 2016 International journal of Immunology, Melbourne, Australia; 08/2016, DOI:10.1002/eji201670200

Laleh Shiri, Modjtaba Emadi-Baygi, Hossein Khanahmad, Parvaneh Nikpour: *MicroRNAs binding to the ITGA4 gene*. the first international congress on Biology and natural Sciences of Iran; 05/2015

Technical Reports