

## CV/Resume



Vahid Jajarmi

Department of Medical Biotechnology, School of Medical Sciences,  
Shahid Beheshti University of Medical Sciences, Tehran, Iran.

Cell: +98 936 763 2013

E mail: V.Jajarmi@gmail.com

### Education and qualifications

- 2013, PhD in Medical Biotechnology, Shahid Beheshti University of Medical Sciences, Tehran, Iran.
- 2009, MSc. in Medical Biotechnology, Tarbiat Modares University, Tehran, Iran.
- 2001, BSc. in Medical Laboratory Sciences, Mashhad University of Medical Sciences, Mashhad, Iran.

### Articles

- Soleiman Kurd, Sara Hosseini, Fardin Fathi, Vahid Jajarmi and Mohammad Salehi. 1Dimethyl sulphoxide and electrolyte-free medium improve exogenous DNA uptake in mouse sperm and subsequently gene expression in the embryo. *Zygote*, 2018. 26(5): p. 403-407.
- Sara Dadrasa, Mohammad-Amin Abdollahifara, Hamid Nazariana, Seyed Kamran Ghoreishib, Somaye Fallahnezhada, Parvaneh Naserzadehc, Vahid Jajarmid, Sufan Chiene,<sup>1</sup> Mohammad BayataPhotobiomodulation improved stereological parameters and sperm analysis factors in streptozotocin-induced type 1 diabetes mellitus. 2018, *J Photochem Photobiol B*. 186: p. 81-87.
- Jajarmi, V., Bandehpour, M., Kazemi, B. Regulation of insulin biosynthesis in non-beta cells by a heat shock promoter. *J. Biosci. Bioeng.* 2013; 116 (2):147-151.
- Gholipourmalekabadi, M., et al., Chapter 12 - Oxygen-generating nanobiomaterials for the treatment of diabetes: A tissue engineering approach A2 - Grumezescu, Alexandru Mihai, in *Nanobiomaterials in Soft Tissue Engineering*. 2016, William Andrew Publishing. p. 331-353.

## Patents

- Designing a New Method Named CMA (Chimeric primer- Mediated Amplification) for Isothermal Amplification of Nucleic Acids.
- A Strip-Based Rapid Test for Detection of DNA Amplified by CMA Method.

## Theses: (Supervisor, Advisor)

- Investigating the role of Nogo-A gene in signaling pathway of regeneration in central nervous system cells using CRISPR / Cas9 technology. ( Zeinab Esmailzadeh, PhD, In progress)
- Systematic investigation of the role of lysosomal genes on breast cancer and generation of knockout cell lines lacking the candidate genes through CRISPR/Cas9 technology to evaluate their effects on cancer and drug resistance. (Aref Shiralipour, PhD, In progress)
- Evaluating the role of trophoblastic HLA-G1 in regulating human endometrial stromal cell reactions towards BeWo derived spheroids through determining altered gene expression of Wnts. (Mahsa Kazemi, PhD, In progress)
- Generation of mice model defected in pancreatic tissue via germ cell mediated gene knock-out. ( Maryam Vahdat, PhD, In progress)
- Cloning and Expression of Truncated Active Thrombin. (Amin Barkhordari, PhD, In progress)
- Gene editing in germ line cells in patients affected by X-linked Alport Syndrome with CRISPR/Cas9 system. (Marzieh Sameni, PhD, In progress)
- Knockout of APP gene using sperm-mediated gene transfer and CRISPER-Cas9 system to produce model of Early-onset Alzheimer's disease. (Soleiman Kurd MSc, Completed)
- Designing and production of exosomal nano-particles containing antigenic peptides LmSTI1,TSA and LACK of L. major and evaluation of their immunoprophylactic effect against L. major infection in animal model BALB/c mice. ( Ghodratollah salehi, PhD, Completed)
- Designing and Constructing the Exosome Nanoparticles Containing LHRH Peptide for Targeting MCF-7 Cancer Cell Line. (Somayeh Damarcheli, MSc, Completed)

- Targeted transfer of exosome nanoparticles toward CXCR4 on the surface of MDA-MB-231 cell line by using TAT-DV3 peptide.(Sara Kheirkhah, MSc, Completed)
- Study on epidemiological characteristics of fascioliasis (human, reservoir, vector) and genotyping of Fasciola spp in lorestan province. (Peyman Heydarian, PhD, Completed)
- Effect of Electromagnetic Fields (2.4 GHZ) on Osteocalcin and Runx2 Expression and development of Fore Limb of Mice. (Amandokht, MSc, Completed)
- Evaluation of Combined effect of low level Laser irradiation and oxytocin on osteogenic differentiation of bone marrow mesenchymal stem cell in ovariectomized induced osteoporosis of rats in vitro. (Samaneh Fallah Nejad, PhD, Completed)
- Evaluation and Immunization of a Polytope DNA Vaccine for Cutaneous leishmaniasis. ( Keykhah, PhD completed)

#### **Conference Presentations**

- Thermal Control on Insulin Production in Non-beta Cells Using a Heat Shock Gene Promoter. 5<sup>th</sup> International Iranian Congress of Laboratory & Clinic.
- Designing a new technique called CMA (Chimeric Primer-Mediated mplification) for DNA amplification in isothermal condition. 10th Iranian Congress of Biochemistry & 3rd International Congress of Biochemistry and Molecular Biology, 16-19 November 2009, Tehran, Iran.
- Evaluation the Template Switching Activity of the rBst Large Fragment DNA polymerase using Chimeric RNA/DNA primers. 6th National Biotechnology Congress, Tehran, Iran, 2008.