



## 1) Personal Information

**First name:** Mohamadreza

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**Academic Title:** Professor

**Department:** Department of Stem Cells and Developmental Biology, Royan Institute, Tehran, Iran

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## 2) Educational background

Degree		University	
BSc	Physiotherapy	Iran Medical Uni. (Tehran, Iran)	1990
MSc	Anatomy	Tarbiat modares Uni. (Tehran, Iran )	1997
PhD	Anatomical sciences	Tarbiat modares Uni. (Tehran, Iran )	2004

## 3) Training

Research visitor of Stem Cell Translational Department, Riken center, Kobe, Japan (2003 – 2004).

## 4) Courses Taught

1- Human Embryology

2- Human Histology

For Medical, Dentistry, Developmental Biology and Tissue Engineering student (MSc and PhD course)

## 5) Research Interests

- 1) Biology of Mesenchymal Stem Cells (MSCs)
- 2) MSCs transplantation in cartilage and bone defects
- 3) Bone and cartilage tissue engineering using MSCs
- 4) Cellular aspects of embryo development

## 6) Honors and Awards

1- Winner of the 7th Royan International Research award on reproductive biomedicine and stem cells, 2006

2- Distinguished investigator of Tehran province in year 2007

3- Selected researcher in 14th Razi Research Festival on Medical Sciences Award, 2008

4- Iranian Excellent Researcher in 10th Festival of Appreciation of Selective Researchers and Technologists, 2009.

## 7) Patents

1-Surface antigen discovery on marrow-derived mesenchymal stem cells, Iranian Patent no.45676, 2008

2-Low density culture system for mesenchymal stem cell isolation, purification and expansion, Iranian Patent no 46256, 2008

3- Reconstruction of critical size defect of mandible using Mesenchymal stem cell transplantation, Iranian patent no 47762, 2008

4- Producing the biocompatible scaffold for rapid repair of cartilage defects, Iranian patent no 51421, 2008.

## 8) Supervisor of Thesis

Supervisor of about more than 60 MD, MSc and PhD dissertations

## 9) Workshops

1-Chairman of a national workshop entitled “Bone tissue engineering using mesenchymal stem cells” for 10 Years

2- Chairman of an international workshop entitled “Mesenchymal stem cells: Isolation, Purification, Differentiation” for 10 Years

## 10) Publication List

### Books

#### As the Editor

1- Bone Tissue Engineering and Mesenchymal Stem Cells (in Persian), 2011, **Royan Institute publication.**

2- Mesenchymal Stem Cells, cartilage tissue engineering and regenerative medicine (In Persian), 2013, **Royan Institute publication.**

#### Contribution

1-“Mesenchymal Stem Cell bone differentiation and its applications” in the Book “Mesenchymal Stem Cells” edited by Yin Xiao, 2011, **Nova publication.**

2-“Mesenchymal Stem Cell-Based Bone Engineering for Bone Regeneration” in the Book “Regenerative Medicine and Tissue Engineering – Cells and Biomaterials” edited by Daniel Eberli, 2011, **In Tech publication.**

- 3-“Mesencymal stem cells in bone and cartilage regeneration” in the book “Regenerative Medicine and Cell Therapy” Edited by Baharvand H and Aghdami N, 2013, **Springer (Humana Press)**.
- 4- “Dental-related Stem Cells and Their Potential in Regenerative Medicine” in the book “Regenerative Medicine and Tissue Engineering” edited by Jose A. Andrades, 2013, **In Tech publication**.
- 5- “Mesenchymal Stem Cells” in the book “Adult Stem Cells (In Persian)” edited by Hossein Baharvand, 2008, **Khaneh Zistshenasy Publication**.
- 6-“Bone and Cartilage Differentiation of mesnchymal stem cells” in the book “Stem Cell Differentiation and application (In Persian)” edited by Hossein Baharvand, 2008, **Khaneh Zistshenasy Publication**.
- 7-“ Nanotissue Engineering of Musculoskeletal Cells” in the book “Nanotissue Engineering – Biological Approach along with Differentiation” Edited by Baharvand H and Aghdami N, 2015, **Wiley-Blackwell**.
- 8-Hosseini S, Eslaminejad MB. Mesenchymal Stem Cells: An Optimistic Cell Source in Tissue Engineering for Bone Regeneration. In book: Bone and Cartilage Regeneration, pp.205-243. **By Springer** , 2016
- 9-Shamekhi MA, Mahdavi H, Mirzadeh H, Rabiee A, Mohebbi-Kalhari D, Eslaminejad MB. Platelet-Rich Plasma Incorporated Nanostructures for Tissue Engineering Applications, In book: Multifunctional Systems for Combined Delivery, Biosensing and Diagnostics, pp.211-227, **By Elsevier** , 2017
- 10- Eslaminejad MB, Oryan A, Kamali A, Moshiri A. The role of nanomedicine, nanotechnology, and nanostructures on oral bone healing, modeling, and remodeling. In book: Nanostructures for Oral Medicine, pp.777-832, **By Elsevier** , 2017.
- 11-Hosseini H, Jahangir S, Eslaminejad MB. Tooth tissue engineering: Biomaterials for Oral and Dental Tissue Engineering, pp. 467-501, **By Elsevier** , 2018
- 12- Hosseini S, Shamekhi MA, Jahangir S, Bagheri F, Eslaminejad MB. The Robust Potential of Mesenchymal Stem Cell-Loaded Constructs for Hard Tissue Regeneration After Cancer Removal: Adv Exp Med Biol. **By Springer**, 2018.
- 13-Hosseini S, Bagheri F, Shamekhi MA, Eslaminejad MB. Polymeric Scaffolds for MSC-based Cartilage Tissue Engineering: Encyclopedia of Polymer Applications. 2018, by **Taylor & Francis**. In press

14-Shamekhi MA, Mahdavi H, Mirzadeh H, Rabiee A, Mohebbi-Kalhari D, Haghhighipour N, Eslaminejad MB. Chitosan: Tissue Engineering and Wound Dressing Applications. Encyclopedia of Polymer Applications. 2018, by **Taylor & Francis**. In press

## Journal full paper

### A) International

- 1-**Eslaminejad MB**, Valojerdi MR, Ashtiani SK: A comparison of polarized and non-polarized human endometrial monolayer culture systems on murine embryo development. *J EXP clin Assist Reprod* 2005; 2: 7
- 2-**Eslaminejad MB**, Valojerdi MR, Yazdi PE. Computerized three-dimensional reconstruction of cartilage canals in chick tibial chondroepiphysis. *Anat Histol Embryol* 2006; 35, 247-252.
- 3- **Eslaminejad MB**, Fathi F, Eftekhari PY, Asahara T. Mouse Attached CD34 positive cell population Expanded by Single Cell Cloning. *Yakhteh Med J.* 2006; 7, 222-229.
- 4-**Eslaminejad MB**, Nikmahzar A, Thagiyar L, Nadri S, Massumi M. Murine mesenchymal stem cells isolated by low density primary culture system. *Develop Growth Differ.* 2006; 48,361-370.
- 5-Eftekhari-Yazdi P, Valojerdi MR, Ashtiani SK, **Eslaminejad MB**, Karimian L. Effect of fragment removal on blastocyst formation and quality development of human embryos. *Reprod Biomed online*, 2006;13:823-832.
- 6- **Eslaminejad MB**, Nikmahzar A, Piriea A. The structure of Human Mesenchymal Stem Cells differentiated into cartilage in micro mass culture system. *Yakhteh Med J*, 2006, 3:162-171
- 7- **Eslaminejad MB**. Mesenchymal stem cells. *Yakhteh Med J.* 2007; P: S21-S30.
- 8-**Eslaminejad MB**, Nadri S, Hajji Hosseini R. Expression of Thy 1.2 surface antigen increases significantly during the murine MSCs cultivation period. *Develop Growth Differ.* 2007, 29:351-364.
- 9- **Eslaminejad MB**, Valojerdi MR, Ashtiani SK, Yazdi PE. Light and electron microscopic study of epithelial cells from human oviduct and uterus sub-cultured on ECM-Gel. *J Reprod Med*, 2007;52:503-512
- 10-Dehghan MM, Kazemi H, Masoudifard M, **Eslaminejad MR**, Sharifi D & Vajhi AR. Clinical and ultrasonographic findings of collagenase induced tendinitis in the horse. *Iranian J Vet Surg (IJVS)*; 2007; 2(2): 47-58.
- 11-**Eslaminejad MB**, Eftekhari-Yazdi P. Mesenchymal stem cells: In vitro differentiation among bone and cartilage cell lineages. *Yakhteh Med J*, 2007; 9: 158-169.

- 12-**Eslaminejad MB**, Mirzadeh H, Mohamadi Y, Nickmahzar A. Bone differentiation of the marrow-derived mesenchymal stem cells using tricalcium phosphate/alginate/gelatin scaffolds. *J Tissue Eng Reg Med*, 2007; 6: 417-424.
- 13-Khojasteh A, **Eslaminejad MB**, Nazarian H. Mesenchymal stem cells enhance bone regeneration in rat calvarial critical size defect more than platelete rich plasma. *Oral Surg, Oral Med, Oral Pathol, Oral Radiol, Endodont*. 2008 ; 106(3): 356-362.
- 14-Jafarian M, **Eslaminejad MB**, Khojasteh A, Mashhadi Abbas F, Hassanizadeh R, Houshmand. B. Marrow-derived mesenchymal stem cells-directed bone regeneration in the dog mandible: A comparison between Biphasic calcium phosphate and Natural bone mineral. *Oral Med, Oral Pathol, Oral Radiol, Endodont*. 2008; 105: e14-e24.
- 15- Kermani SH, Karbalaei KH, Madani SH, Jahangirnejad AA, **Eslaminejad MB**, Nasr-esfahani MH, Baharvand H. Effect of lead on proliferation and neural differentiation of mouse bone marrow mesenchymal stem cells. *Toxicol in vitro*, 2008; 22: 995-1001.
- 16-**Eslaminejad MB**, Nazarian H, Taghiyar L. Mesenchymal stem cell isolation from the removed medium of rat's bone marrow primary culture and their differentiation into skeletal cell lineages. *Yakhteh Med J*, 2008, 10:65-72.
- 17- **Eslaminejad MB**, Taghiyar L. Mesenchymal stem cell purification from the articular cartilage cell culture. *Iranian J Basic Med Sci*, 2008; 3: 146-153.
- 18-**Eslaminejad MB**, Jafarian M, Khojasteh A, Mashadiabbas F, Dehghan MM, Farokhi A, Hassanizadeh R. In vivo bone formation by canine mesenchymal stem cells loaded onto HA/TCP scaffolds: Qualitative and quantitative analysis. *Yakhteh Med J*, 2008,3: 205-212.
- 19- **Eslaminejad MB**, Jafarian M, Khojasteh A, Mashadiabbas F, Dehghan MM, Houshmand B. Enhancing ectopic bone formation in canine masseter muscle by loading mesenchymal stem cells onto natural bovine bone minerals. *Iranian J Vet Surg*, 2007: 4:25-35.
- 20-**Eslaminejad MB**, Salami F, Soleimani M M, Abnousi M, Eftekhari-Yazdi P. BIO treatment protects rat marrow-derived mesenchymal stem cell culture against the TNF- $\alpha$ - induced apoptosis. *Yakhteh Med J*, 2009, 1:35-42.
- 21-Nejati E, Firouzdar V, **Eslaminejad MB**, Bagheri F. Needle-like nano hydroxyapatite/poly(l- lactide acid) composite scaffold for bone tissue engineering application. *Mat Sci Engin C*. 2009, 29: 942-949.
- 22-**Eslaminejad MB**, Talkhabi M, Zainali B. Effect of Lithium chloride on proliferation and bone differentiation of rat marrow-derived mesenchymal stem cells in culture. *Iranian J Basic Med Sci*, 2008; 3: 143-151.
- 23-**Eslaminejad MB**, Taghiyar L, Dehghan MM, Falahi F, Kazemi H. Equine marrow-derived mesenchymal stem cells: Isolation, differentiation and culture optimization. *Iranian J Vet Res*, 2009; 26:1-11.

- 24- Zandi M, MirzedeH H, Mayer C, Urch H, **Eslaminejad MB**, Bagheri F, Mivehchi H. Biocompatibility evaluation of nano-rod hydroxyapatite/gelatin coated with nano-Hap as a novel scaffold using mesenchymal stem cells. *J Biomed Mater Res part A*, 2010; 92A:1244-1255.
- 25- **Eslaminejad MB**, Rouhi L, Arabnajafi M, Baharvand H. Rat marrow-derived mesenchymal stem cells developed in a medium supplemented with the autologous versus bovine serum. *Cell Biol Inter* 2009,33:607-616.
- 26- Alipour H, Eftekhari-yazdi P, Rastgarnia A, **Eslaminejad MB**, Akbarpour M. Effect of LH treated ovine oviductal epithelial cell co-culture system on murine pre-embryo development. *Inter J Fer Steril* 2008; 3: 132-138.
- 27- **Eslaminejad MB**, Nadri S. Murine mesenchymal stem cell isolated and expanded in low and high density culture system: Surface antigen expression and osteogenic culture mineralization. *In vitro Cellul and Dev Biol*, 2009, 45(8):451-459.
- 28- **Eslaminejad MB**, Falahi F, Nazarian H, Taghiyar L, Daneshzadeh MT. Differentiation potential and culture requirements of mesenchymal stem cells from ovine bone marrow for tissue regeneration applications. *Iranian J Vet Surg*, 2009, *Vet Surg*, 2007, 5:53-65.
- 30- **Eslaminejad MB**, Bagheri F. Tissue engineering approach for reconstructing bone defects using mesenchymal stem cells, *Yakhteh Med J*, 2009; 11: 263-272.
- 31- **Eslaminejad MB**, Nazarian H, Falahi F, Taghiyar L, Daneshzadeh MT. Ex vivo expansion and differentiation of mesenchymal stem cells from goat bone marrow, *Iranian J Basic Med Sci*, 2009;12:70-79.
- 32- **Eslaminejad MB**, Taghiyar L, Falahi F. Quantitative analysis of the proliferation and differentiation of rat articular chondrocytes in alginate 3D culture. *Iranian Biomed J*, 2009, 13:153-160.
- 33- **Eslaminejad MB**, Taghiyar L, Falahi F. Costal Versus Articular Chondrocytes in Alginate Three-Dimensional Cultures. *Iranian J Biotech*, 2009; 3:129-136.
- 34- **Eslaminejed MB**, Mirzadeh H, Nickmahzar A, Mohamadi Y, Mivehchi H. Type I collagen gel in seeding medium improves murine mesencymal stem cell loading onto the scaffold, increases their subsequent proliferation and enhances the culture mineralization. *J Biomed Mater Res part B: Appl Biomater*, 2009; 90B: 659-667.
- 35- **Eslaminejad MB**, Taghiyar L, Falahi F. Co-culture of mesenchymal stem cells with mature chondrocytes: producing cartilage construct for application in cartilage regeneration. *Iran J Med Sci*. 2009, 34(4): 251-258.
- 36- **Eslaminejad MB**, Bageri F, Zomorodian E. Matrigel enhances *in vitro* bone differentiation of human marrow-derived mesenchymal stem cells. *Iran J Basic Med Sci*, 2010, 13: 187-194.

- 37- **Eslaminejad MB**, Bagheri F, Zandi M, Nejati E, Zomorodian E. Study of mesenchymal stem cell proliferation and bone differentiation in composite scaffolds of PLLA and nano hydroxyl apatite with different morphologies. *Yakhteh Med J*. 2011; 12:469-476.
- 38- **Eslaminejad MB**, Mardpour S, Ebrahimi M. Growth kinetics and in vitro aging of mesenchymal stem cells isolated from rat adipose versus bone marrow tissues. *Iran J Vet Surg*. 2008; 3: 9-20.
- 39- **Eslaminejad MB**, Nazarian H, Shariati M, Vahabi S. Human Dental Pulp Stem Cells: The Culture Optimization for Increased Growth. *Inter J Hemat-Onco Stem Cell Res*, 2009; 4: 5-13.
- 40- **Eslaminejad MB**, Nazarian H, Shariati M, Vahabi S. Isolation and in vitro characterization of mesenchymal stem cells derived from the pulp tissue of human third molar tooth. *Iranian J Med Sci*. 2010; 3: 216-255.
- 41- **Eslaminejad MB**. Taghiyar L. Study of the Structure of Canine Mesenchymal Stem Cell Osteogenic Culture, *Anat Histol Embryol*. 2010; 39: 446-455.
- 42- **Eslaminejad MB**, Bageri F, Zandi M, Nejati E, Zomorodian E, Mivehchi H. Comparison of Proliferation and Bone Differentiation of Marrow-derived Mesenchymal Stem Cells on Nano- and Micro-hydroxyapatite Contained Composite Scaffolds. *Iran J Biothech*. 2010; 4:234-242.
- 43- **Eslaminejad MB**, Jahangiri S, Aghdami N. Mesenchymal stem cells from murine amniotic fluid as a model for preclinical investigation. *Archives Iran Med*. 2011; 14:96-103.
- 44- **Eslaminejad MB**, Mardpour S, Ebrahimi M. Mesenchymal stem cells derived from rat epicardial versus epididymal adipose tissue. *Iran J Basic Med Sci*. 2011; 14:25-34.
- 45- **Eslaminejad MB**, Karimi N, Shahhosseini M. Enhancement of glycosaminoglycan-rich matrix production in human marrow-derived mesenchymal stem cell chondrogenic culture by Lithium Chloride and SB216763 treatment. *Yakhteh Med J*. 2011;13(2):117-26
- 46- **Eslaminejad MB**, Vahabi S, Nazarian H, Shariati M. In vitro Growth and Characterization of Stem Cells from Human Dental Pulp of Deciduous Versus Permanent Teeth. In press, *J Den The Uni Med Sci*. 2010;7:185-195.
- 47- **Eslaminejad MB**, Jahangiri S, Aghdami N. Comparison of Proliferation, Senescence and Differentiation of Murine Bone Marrow-Derived and Amniotic Fluid Mesenchymal Stem Cells into Skeletal Cell Lineages. *Iran Red Crescent Med J*. 2010; 12: 608-616.
- 48- Ghahramanpoor MK, Hassani Najafabadi SA, Abdouss M, Bagheri F, **Baghaban Eslaminejad M**. A hydrophobically-modified alginate gel system: utility in the repair of articular cartilage defects. *J Mater Sci Mater Med*. 2011;22:2365-2375
- 49- Khojasteh A, **Baghaban Eslaminejad M**, Nazarian H, Morad G, Dashti SG, Behnia H, Stevens M. Vertical bone augmentation with simultaneous implant placement using particulate mineralized bone and mesenchymal stem cells: a preliminary study in rabbit. *J Oral Implantol*. 2012; 1:1-13.

- 50- Hafezi-ardakani, Kavian F, Moztarzadeh F, **Eslaminejad MB**, Zamanian A, Bagheri F. Poly(lactic-co-glycolic)/Nanostructured merwininte porous composite for bone tissue engineering. I.preparation and morphology. *Key Engin Mater.* 2012; 493-494: 718-722.
- 51- Zomorodian E, **Eslaminejad MB**. Mesenchymal Stem Cells as a Potent Cell Source for Bone Regeneration. *Stem Cell Internat*, 2012:1-9.
- 52- Emadedin M, Aghdami N, Taghiyar L, Fazeli R, Moghadasali R, Jahangir S, **Eslaminejad MB**. Intra-articular Injection of Autolougous Mesenchymal Stem Cells in Six Patients with Knee Osteoarthritis. *AIM*, 2012 ; 15(7):422-428
- 53- Karimi T, **Eslaminejad MB**, Aminlari M, Shahverdi A, Bahmanpour S. Study of telomerase activity, proliferation and differentiation characteristics in umblicard cord blood mesenchymal stem cells. *Iran J Vet Res.*, 2012; 11:176-185
- 54- **Eslaminejad MB**, Bordbar S. Blastema from rabbit ear contains progenitor cells comparable to marrow derived mesenchymal stem cells. *Vit Res Fourum*, in press, 2012; 3:159-165.
- 55- Farrokhi A, **Eslaminejad MB**, Nazarian H, Moradmand A, Samadian A, Akhlaghi A. Appropriate Reference Gene Selection for Real-time PCR Data Normalization during Rat Mesenchymal Stem Cell Differentiation. *Cell. Mol. Biol.* 2012: 58(Supp): 1660-1670.
- 56- **Eslaminejad MB**, Jahanghir S. Amniotic Fluid Stem Cells and their Application in Cell-based Tissue Regeneration. *Inter J Fer Ster.* 2012; 6:147-156.
- 57- Khorsand A, **Eslaminejad MB**, Arabsolghar M, Paknejad M, Ghaedi B, Rokn AR, Moslemi N, Nazarian H, Jahangir SH. Autologous Dental Pulp Stem Cells in Regeneration of Defect Created in Canine Periodontal Tissue. *J Oral Implant.* 2013,4: 433-443.
- 58- Ghasemzadeh-Hasankolai M, Batavani R, **Eslaminejad MB**, Seddighi Gilani M. Effect of Zinc ion on Differentiation of Bone Marrow-derived Mesenchymal Cells to Male Germ Cells and Some Germ Cell-specific Gene Expression in Rams. *Biol Trace Element Res.* 2012;150:137-146.
- 59- Khoshchehreh R, Ebrahimi M, **Eslaminejad MB**, Aghdami N, Samani F, Baharvand H. Rat pancreatic stromal cells (PSC) affect differentiation of human mesenchymal stem cells v(hMSC) into insulin-producing cells (IPCs) in vitro. *J Cell Sci Ther.* 2012, 3(5).
- 60- Karamzadeh R, **Eslaminejad MB**, Aflatoonan R. Iolation, Characterization, and Comparative Differentiation of Human Dental Pulp Stem Cells Derived from Permanent Teeth by Using Two Different Methods. *J Vis Exp.* 2012 ; e4372:1-10.
- 61- **Eslaminejad MB**, Bordbar S. Isolation and characterization of the progenitor cells from the blastema tissue formed at experimentally-created rabbit ear hole. *Iran J Bas Ned Sci.* 2013; 16:109-115.



- 62- Ghasemzadeh-Hasankolai M, **Eslaminejad MB**, Batavani R, Seddighi Gilani M. Comparison of the Efficacy of three Concentrations of Retinoic Acid for Transdifferentiation Induction in Sheep Marrow-derived Mesenchymal Stem Cells into Male Germ Cells. *Andrologia*, 2014,46(1):24-35..
- 63- **Eslaminejad MB**, Fani N, Shahhosseini M. Epigenetic Regulation of Osteogenic and Chondrogenic Differentiation of Mesenchymal Stem Cells in Culture. *Cell J*, 2013;15(1):1-10.
- 64- Faghihi F, **Eslaminejad MB**, Nekookar H, Najar M, Salekdeh GH. The effect of purmorphamine and sirolimus on osteogenic differentiation of human bone marrow-derived mesenchymal stem cells. *Biomed pharmacother*. 2013; 67:31-38.
- 65- Azhdari M, **Eslaminejad MB**, Baharvand H, Nasser Aghdami N. Therapeutic potential of human-induced pluripotent stem cell-derived endothelial cells in a bleomycin- induced scleroderma mouse model. *Stem Cell Res*, 2013; 10:288-300.
- 66- Nadri S, Kazemi B, **Eslaminejad MB**, Yazdani S, Soleimani M. High yield of cells committed to the photoreceptor-like cells from conjunctiva mesenchymal stem cells on nanofibrous scaffolds. *Mol Biol Rep*, 2013; 40:3883-3890.
- 67- Nadri S, Yazdani S, Arefian E, Gohari Z, **Eslaminejad MB**, Kazemi B, Soleimani M. Mesenchymal stem cells from trabecular meshwork become Photoreceptor-like cells on amniotic membrane. *Neuroscience Letter*, 2013; 541: 43-48.
- 68- Salemi H, Behnamghader A, **Eslaminejad MB**, Ataei M. Effect of Collagen on the synthesis of Calcium Phosphate Nanoparticles. *Proceedings of the Iranian conference on Biomedical Engineering (ICBME 2012)*, Tehran, Iran, 21-22 Dec 2012.
- 69- **Eslaminejad MB**, Fallah N. Small Molecule-BIO Accelerates and Enhances Marrow-Derived Mesenchymal Stem Cell in vitro Chondrogenesis, *Iran J Med Sci.*, 2013, 4: 69-76.
- 70- **Eslaminejad MB**, Bordbar S, Nazarian H. Odontogenic Differentiation of Dental Pulp-derived Stem Cells on Tricalcium Phosphate Scaffolds. *J Dent Sci.*, 2013, 8:306-313.
- 71- Zamiri B, Shahidi S, **Eslaminejad MB**, Khoshzaban A, Gholami M, Bahramnejad E, Moghadasali R, Mardpour S , Aghdami N. Reconstruction of Human Mandibular Continuity Defects with Allogenic Scaffold and Autologous Marrow Mesenchymal Stem Cells: Preliminary Results. *J Craniofacia S.* 2013,24:1292-1297.
- 72- **Eslaminejad MB**, Fallah N. Effects of BIO on Proliferation and chondrogenic Differentiation of Mouse Marrow-Derived Mesenchymal Stem Cells. *J Vet Fourum.* 2013, 4:69-76.

- 73- Malakooty poor E, **Eslaminejad MB**, Bagheri F, Mollarazi E, Gheibi N. Effect of chitosan grafted polyethylenimine nanoparticles as a gene carrier on mesenchymal stem cells viability. *J paramed Sci*, 2013: 74-80.
- 74- **Eslaminejad MB**, Karimi N, Shahhosseini M. Chondrogenic Differentiation of Human Bone Marrow-Derived Mesenchymal Stem Cells Treated by GSK-3 Inhibitors. *Histochem Cell Biol*, 2013 :623-633.
- 75- Malakooty poor E, **Eslaminejad MB**, Gheibi N, Bagheri F, Atyabi F. Chitosan/DNA Nanoparticle Characteristics Determine the Transfection Efficacy of Gene Delivery to Human Mesenchymal Stem Cells. *Artific Cells, Nanomed Biotech.*, 2014 ;42(6):376-84.
- 76- Bagheri F, Safarian S, **Eslaminejad MB**, Sheibani N. siRNA-mediated Knock-down of DFF45 Amplifies Doxorubicin Therapeutic Effects in Breast Cancer Cells. *Cell Oncol*, 2013, 36: 515-526.
- 77- Attar A, **Eslaminejad MB**, Tavangar MS, Karamzadeh R, Dehghani Nazhvani A, Ghahramani Y, Malekmohammadi F, Hosseini SM. Dental Pulp Polyps Contain Stem Cells Comparable to the Normal Dental Pulp. *J Clin EXP Dent.*, 2013:53-59.
- 78- Salemi H, Behnamghader A, **Eslaminejad MB**, Ataei M. Effect of collagen on the morphology and structure of calcium phosphate nanoparticles. *Biomed Engin: Applications, Basis and Communications*, 2014, 26(5): 1-8.
- 79- Ghasemzadeh-Hasankolai M, Seddighi-Gilani M, **Eslaminejad MB**. Induction of Ram Bone Marrow Mesenchymal Stem Cells into Germ Cell Lineage using TGF- $\beta$  Superfamily Growth Factors. *Reprod Dom Ani*, 2014, 49: 588-598.
- 80-Ghasemzadeh M, Sedighi-Gilani M, Eslaminejad MB, Mokarizadeh A. Starvation is more efficient than washing technique for purification of rat sertoli cells. *In vitro Cell Dev Biol*, 2014, 50(8):723-730.
- 81- Alizadeh E, Zarghami N2 , **Eslaminejad MB**, Akbarzadeh A, Jahangir Sh, Barzegar A, Hashemzadeh S, Mohammadi A. The effect of Dimethyle Sulfoxide (DMSO) on hepatic differentiation of mesenchymal stem cells. *Artif Cells, Nanomed Biothech.* 2016, 44(1):157-164.
- 82- Faghihi F, Papdimitripoulos A, Martin I , **Eslaminejad MB**. Effect of purmorphamine on osteogenic differentiation of human mesenchymal stem cells in 3D dynamic culture system. *Cell Mol Bioeng.* 2014, 7(4): 575-584.
- 83-Bagheri F, Safarian S, **Eslaminejad MB**, Sheibani N. Stable overexpression of DNA fragmentation factor in T-47D cells: sensitization of breast cancer cells to apoptosis in response to acetazolamide and sulfabenzamide. *Mol Biol Rep.* (2014) 41:7387–7394.

- 84- Malakooty poor E, **Eslaminejad MB**, Gheibi N, Bagheri F, Atyabi F. Chitosan/DNA Nanoparticle Characteristics Determine the Transfection Efficacy of Gene Delivery to Human Mesenchymal Stem Cells. *Artific Cells, Nanomed Biotech.*, 2014: 42(6):376-384.
- 85- Nadernezhad A, Torabnejad B, Hafezi M, **Eslaminejad MB**, Bagheri F, Najafi F. Poly (Lactic-CoGlycolic)/Nanostructured Merwinite Porous Composites for bone Tissue Engineering: Structure and in vitro Characterization. *J. Adv Mat Proc.* 2014: 2 (4): 13-24
- 86- Paknejad M, **Eslaminejad MB**, Ghaedi B, Rokn A, Khorsand A, Etemad-Moghadam S, Alaeddini M, Dehghan M, Moslemi N, Nowzari H. Isolation and assessment of mesenchymal stem cells derived from bone marrow: histologic and histomorphometric study in a canine periodontal defect. *J Oral Implant*, 2015 ;41(3):284-91.
- 87- Ghasemzadeh-Hasankolaei M, **Eslaminejad MB**, Batavani R, Ghasemzadeh-Hasankolaei M. Male and female rat bone marrow-derived mesenchymal stem cells are different in terms of the expression of germ cell specific genes. *Anat Sci Int.* 2015; 90(3):187-96.
- 88- Alizadeh E, Akbarzadeh A, **Eslaminejad MB**, Barzegar A, Hashemzadeh S, Nejati-Koshki K, Zarghami N. Up-regulation of Liver enriched Transcription Factors (HNF4a and HNF6) and Liver Specific MicroRNA (miR-122) by Inhibition of Let-7b in Mesenchymal Stem Cells. *Chem Biol Drug Des.* 2015 ;85(3):268-79.
- 89- **Eslaminejad MB**, Malakooty E. Mesenchymal stem cells as a potent cell source for articular cartilage regeneration. *World J Stem Cells* 2015;17(2):211-20.
- 90- Dehghan MM, **Eslaminejad Mb** , Motallebizadeh N, Ashrafi Halan J, Tagiyar L, Soroori S, Nikmahzar A, Pedram M, Shahverdi H, Kazemi Mehrjerdi H, Izadi S, Transplantation of autologous bone marrow mesenchymal stem cells with platelet-rich plasma accelerate distraction osteogenesis in a canine model, *Cell J*, 2015 ;17(2):243-52..
- 91- Samani FS, Ebrahimi M, Zandieh T, Khoshchehreh R, **Eslaminejad MB**, Aghdami N, Baharvand H. The effect of rat Pancreatic Mesenchymal Cells (PMCs) on differentiation of human cord blood CD133+ into Insulin-Producing Cells (IPCs) in vitro. *Cell J*, 2015 Summer;17(2):211-20.
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## Conference Papers

### A) International

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