

Curriculum Vitae (C.V.)



Date: 1. May. 2018

Personal History

Name (First/Last Name): Marzieh Ebrahimi

Date of Birth: 26.10.1973

Country of Birth: Iran

Gender: Female

Marital Status: Married

Kid: One

Office Address: 1) Dept. of stem cell and developmental biology, Royan Institute, P.O. Box: 19395- 4644, Tehran, IRAN.

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Employment:

- **Cancer Stem Cell group leader**, *Since July 2010-present*
- **Flowcytometry core facility Director**: *Sicne 2007-present*
- **Royan Public Cord Blood Bank Scientific Manager**, *Since July 2009- 2017*
- **Post Doctorate in Oncology surgery, ZLF, Unihospitale of Basel, Switzerland**, *since Jul. 2009- July 2010*
- **Scientific Manager of Royan Cord Blood Bank (Private)**, *Since Jul. 2006 –July 2009*, Tehran, Iran.
- **Hematopoietic Stem cells Group leader**, *Since Feb. 2008-present*, Tehran, Iran.
- **Academic Staff of Stem cells department of Royan Institute**, *Since March. 2003- Present*, Tehran, Iran.
- **Academic Staff of Biochemistry Group, Biotechnology Research Center, Maleke Ashtar University**, *March 2001 –Jun. 2002*, Tehran, Iran.
- **Research Assistant of Genetic Group, Akbar Abadi Hospital**, *Dec.1999- Feb. 2000*. Tehran, Iran

Academic Education

- PhD (2002- 2007), Immunology**, Tarbiat Modares University (TMU), Tehran, Iran.
- M.Sc., (1997-2000), Immunology**, Tarbiat Modares University (TMU), Tehran, Iran.
- B.Sc., (1992-1996), Cellular and Molecular Biology**, Tehran University, Tehran, Iran.

Teaching History

- **2017-2018** Transplantation Immunology-PhD, Theoretical course, 8h/month, Royan Institute, Tehran Iran.
- **2016-2017** Reproductive immunology- PhD, Theoretical course, 8h/month, Royan Institute, Tehran Iran.
- **2014-2015** Transplantation Immunology-PhD, Theoretical course, 8h/month, Royan Institute, Tehran Iran.
- **2010- 2012** Immunology – MSc Theoretical course, 8h/month, Royan Institute, Tehran Iran.
- **2008-** Transplantation Immunology-PhD, Theoretical course, 8h/month, Royan Institute, Tehran Iran.
- **2006 – 2008** -Immunology – MSc Theoretical course, 8h/month, Royan Institute, Tehran Iran.
- **2001-2002-** Immunology – Theoretical course (B.Sc. to M.Sc)., 30h/month, Shahid beheshti university, Tehran, Iran.
- **1999-2001-** Immunology – Theoretical course (Graduate to BSCs)., 30h/month, Porspolise Institute, Tehran, Iran.

Professional Membership

ISSCR membership 2011-2015

Membership of Iranian Immunology and Allergy Society, 2000- present.

Board Member and Executive Activities:

- Royan Institute for stem cell biology and technology; Scientific Board (2010-now)
- Stem cell technology Company; Scientific Board (2014-now)
- Cancer stem cell initiative group; Scientific Board (2016-now)
- Chairperson of the 13th Royan International Twin Congress (5-7 September 2012)
- Scientific Secretary of Cancer stem cell workshop series (2012-now)
- Scientific Secretary of Flow cytometry and cell sorting workshop series (2010-now)
- Scientific Secretary the second Cord Blood Stem Cells Symposium 20 feb 2013
- Scientific program committee of international immunology congress, Tehran, Iran(ICIA-2018).
- Scientific program committee of burn Congress, Iran (March-2018)
- Co-Chair of Cancer stem cell Symposium, Feb 2016, Iran Medical University, Tehran, Iran.
- Co-Chair of Cord Blood Stem Cells Symposium, May 3 2007, Royan Institute, Tehran, Iran.
- Co-chair of 1st Royan Workshop on: Limbal Stem Cell Culture in vitro, March 11-12, 2006, Dept. of Stem Cells, Royan Institute, Tehran, Iran.
- Executive Staff and lecturer of The 1st Workshop on: Quality control of human recombinant proteins, Biotechnology Research Center, MalekeAshtar University, Spring 2004, Tehran, Iran
- Member of scientific committee of Royan International Award and Royan International Twin Congress (Stem Cells and Reproductive Biology), 2008-now, Tehran, Iran.
- Establishment Public Royan Cord Blood Bank (2007)
- Establishment Royan Amniotic Membrane Bank (2010)

Honors and awards:

1. Best oral presenter in Burn Congress 2018
2. Nomine of ichallenge in filed of introduce novel diabetic dressing, Iran (2017)
3. Winner of best women researcher award from Vice Presidency for Women and Family Affairs (2008)

Grants:

1. Iranian national cancer control foundation in filed of novel blood biomarker to early detection of drug resistance in gastric cancer patient
2. NIMAD (National Institute for medical research development) in filed of novel blood biomarker to early detection of metastasis in gastric cancer patient, Iran (2017)
3. Counsel for stem cell science and technology in filed of cancer stem cell research, Iran (2015)
4. Counsel for stem cell science and technology in filed of hematopoietic stem cell expansion, Iran (2015)
5. Counsel for stem cell science and technology in filed of NK activation to Target GB, Iran (2015)

Reviewer of Journals

1. Scientific Report
2. Oncotarget
3. Cancer Biomarkers
4. Sci J Blood Transfusion
5. Cell Journal (
6. Current Drug Target

Publications (Articles, Books)

➤ 2018

- Farzaneh Sharifzad, Saeid Ghavami, Soura Mardpour, Mahsa Mollapour , Zahra Azizi, Adeleh Taghikhani, Marek J. Łos , Javad Verdi, Esmail Fakharian , **Marzieh Ebrahimi ***, Amir Ali Hamidieh *.Glioblastoma cancer stem cell biology: Potential theranostic targets. *Accepted in Drug Resistance Update*
- Azimian-Zavareh V, Hossein G*, **Ebrahimi M***, Dehghani-Ghobadi Z. Wnt11 alters integrin and cadherin expression by ovarian cancer spheroids and inhibits tumorigenesis and metastasis. *Exp Cell Res.* 2018 May 15.
- Alireza Baradaran-Rafii, Niloufar Shayan Asl, **Marzieh Ebrahimi***, Sayena Jabbehdari, Shahram Bamdad, Danial Roshandel, Medi Eslani, Maryam Momeni. The role of amniotic membrane extract eye drop (AMEED) in in vivo cultivation of limbal stem cells. *The Ocular Surface* 2018 Jan;16(1):146-153
- Rajae Z, Khoei S, Mahdavi SR, **Ebrahimi M**, Shirvalilou S, Mahdavian A. Evaluation of the effect of hyperthermia and electron radiation on prostate cancer stem cells. *Radiat Environ Biophys.* 2018 May;57(2):133-142.
- Momeni M, Zarehaghghi M, Hajimiri M, Khorasani G, Dinarvand R, Nekookar A, Sodeifi N, Khosravani P, Shayanasl N, **Ebrahimi M***. In vitro and in vivo investigation of a novel amniotic-based chitosan dressing for wound healing. *Wound Repair Regen.* 2018 Jan;26(1):87-101.

- Zarrabi M, Afzal E, Asghari MH, Mohammad M, Es HA, **Ebrahimi M***. Inhibition of MEK/ERK signalling pathway promotes erythroid differentiation and reduces HSCs engraftment in ex vivo expanded haematopoietic stem cells. *J Cell Mol Med.* 2018 Mar;22(3):1464-1474.
- **2017**
- Shirzad N, Bordbar S, Goodarzi A, Mohammad M, Khosravani P, Sayahpour F, Baghaban Eslaminejad M, **Ebrahimi M***. Umbilical Cord Blood Platelet Lysate as Serum Substitute in Expansion of Human Mesenchymal Stem Cells. *Cell J.* 2017 Oct;19(3):403-414.
- Roudi R, **Ebrahimi M**, Shariftabrizi A, Madjd Z. Cancer stem cell research in Iran: potentials and challenges. *Future Oncol.* 2017 Aug;13(20):1809-1826.
- Sepantafar M, Maheronnaghsh R, Mohammadi H, Radmanesh F, Hasani-Sadrabadi MM, **Ebrahimi M**, Baharvand H. Engineered Hydrogels in Cancer Therapy and Diagnosis. *Trends Biotechnol.* 2017 Nov;35(11):1074-1087.
- Dadras P, Atyabi F, Irani S, Ma'mani L, Foroumadi A, Mirzaie ZH, **Ebrahimi M**, Dinarvand R. Formulation and evaluation of targeted nanoparticles for breast cancer theranostic system. *Eur J Pharm Sci.* 2017 Jan 15;97:47-54.
- Monireh Mohammad, **Marzieh Ebrahimi***, Fatemeh Daneshman , Masoume Nouri , Pardis Khosravani. Ex vivo expansion of cord blood mononuclear cells by umbilical cord blood platelet lysate. *Daneshvar(medicine) shahed University*, 2017, NO.127, 49-61.
- Firouzi J, **Ebrahimi M***, Sotoodehnejad Nematalahi F. Evaluation of Inhibitory Effect of Silibinin on Growth and Stemness Property of MCF-7 Cell Line Derived Mammospheres. *J Shahid Sadoughi Univ Med Sci* 2017; 25(2): 111-22.
- **2016**
- Roudi R., **Ebrahimi M*.,** Madjd Z*. Evidencefor embryonic stem-like signature and epithelial-mesenchymal transition features in the spheroid cells derived of lung adenocarcinoma. *Tumor Biology*, (Tumour Biol. 2016 Sep;37(9):11843-11859)
- Hajimoradi M, Mohammad Hassan Z*, **Ebrahimi M***, Soleimani M, Bakhshi M, Firouzi J, Samani FS. STAT3 is Overactivated in Gastric Cancer Stem-Like Cells.*Cell J.* 2016 Winter;17(4):617-28. Epub 2016 Jan 17.
- Dashti A, **Ebrahimi M**, Hadjati J, Memarnejadian A, Moazzeni SM*. Dendritic cell based immunotherapy using tumor stem cells mediates potent antitumor immune responses. *Cancer Lett.* 2016 Apr 28;374(1):175-85.
- Nouri M, Deezagi A*, **Ebrahimi M.** Reprogramming of human peripheral blood monocytes to erythroid lineage by blocking of the PU-1 gene expression. *Ann Hematol.* 2016 Mar;95(4):549-56.
- **2015**
- Roudi R, **Ebrahimi M**, Sabet MN, Najafi A, Nourani MR, Fomeshi MR, Samadikuchaksaraei A,

Sharifabrizi A, Madjd Z*. Comparative gene-expression profiling of CD133(+) and CD133(-) D10 melanoma cells. *Future Oncol.* 2015 Sep;11(17):2383-93.

- Samila Farokhimanesh, Mahdi Forouzandeh Moghadam*, **Marzieh Ebrahimi**, Inhibition of breast cancer metastasis by using miR-31-mimic in cancer stem cell rich MDA-MB231 cell line, *Tehran University Medical Journal*, 2015/4/15, 73 (1) 1-10
- Abdollahi P, **Ebrahimi M***, Motamed N*, Samani FS. Silibinin affects tumor cell growth because of reduction of stemness properties and induction of apoptosis in 2D and 3D models of MDA-MB-468. *2015 Jun Anticancer Drugs*; 26(5):487-97.
- Sahraneshin Samani F, **Ebrahimi M***, Zandieh T, Khoshchehreh R, Baghaban Eslaminejad M, Aghdami N, Baharvand H. In Vitro Differentiation of Human Umbilical Cord Blood CD133(+)Cells into Insulin Producing Cells in Co-Culture with Rat Pancreatic Mesenchymal Stem Cells. *Cell J.* 2015 Summer;17(2):211-20. Epub 2015 Jul 11.
- Ganji F., Abron S*, Baharvand H., Aghdami N., **Ebrahimi M.**, Differentiation potential of O Bombay Human induced pluripotent stem cells and human embryonic stem cells into fetal erythrocyte like cells, *Cell J.* 2015 Winter;16(4):426-39
- Hosseinizand H, **Ebrahimi M***, Abdekhodaie MJ*. Agitation increases expansion of cord blood hematopoietic cells and promotes their differentiation into myeloid lineage. *Cytotechnology.* 2015 Aug 12.
- Nouri M., **Ebrahimi M***, Baghsheykhi A.H., Akhlaghi A., Mohammad M., Samimi S., Zarabi M. The evaluation of hematopoietic stem cells potential after 2 years of cryopreservation. *Sci J Iran Blood Transfus Organ* 2015; 12(1): 1-12
- Fomeshi MR, Ebrahimi M, Mowla SJ, Khosravani P, Firouzi J, Khayat-zadeh H. Evaluation of the expressions pattern of miR-10b, 21, 200c, 373 and 520c to find the correlation between epithelial-to-mesenchymal transition and melanoma stem cell potential in isolated cancer stem cells. *Cell Mol Biol Lett.* 2015 Sep;20(3):448-65.
- **2014**
- Jafari Malek S, Khoshchehreh R, Goodarzi N, Khoshayand MR, Amini M, Atyabi F, Esfandyari-Manesh M, Tehrani S, Mohammad Jafari R, Maghazei MS, Alvandifar F, **Ebrahimi M**, Dinarvand R. cis-Dichlorodiamminoplatinum (II) glyconanoparticles by drug-induced ionic gelation technique targeted to prostate cancer: Preparation, optimization and in vitro characterization. *Colloids Surf B Biointerfaces.* 2014 Oct 1;122:350-8.
- Pegah Abdollahi, **Marziyeh Ebrahimi**, Nasrin Motamed, Pardis Khosravani, Characterization and comparison of MDA-MB468 cancer stem cell properties in 2D and 3D culture, *New Cellular and Molecular Biotechnology Journal*, 2014/12/15, 4 (16) 9-16
- Roudi R, Madjd Z, Ebrahimi M, Samani FS, Samadikuchaksaraei A. CD44 and CD24 cannot act as cancer stem cell markers in human lung adenocarcinoma cell line A549. *Cell Mol Biol Lett.* 2014 Mar;19(1):23-36. doi: 10.2478/s11658-013-0112-1.

- Ebrahimkhani S, Farjadian S, **Ebrahimi M.** The Royan Public Umbilical Cord Blood Bank: Does It Cover All Ethnic Groups in Iran Based on HLA Diversity? *Transfus Med Hemother.* 2014 Apr;41(2):134-8.
- Sahraneshin Samani F, Moore JK, Khosravani P, Ebrahimi M. Features of free software packages in flow cytometry: a comparison between four non-commercial software sources. *Cytotechnology.* 2014 Aug;66(4):555-9.
- Amir Dashti, Marziyeh Ebrahimi, Jamshid Hadjati, Seyed Mohammad Moazzeni ,Identification and Characterization of Cancer Stem Cells in Mouse Malignant Melanoma, *Modares Journal of Medical Sciences: Pathobiology*, 2014/6/22, (17)27-37
- **2013**
- Sahraneshin, Dr. **M. Ebrahimi** *, Dr. T. Zandiyh, M. Mohammad, Dr. N. Aghdami , Dr. H. Baharvand. Differentiation of human cord blood CD133+ cells into insulin secreting cells in vitro *Sci. J., Iran Blood Transfus Organ* 2013 10(1) 53-54
- shayan N., **Ebrahimi M.**, Beiki B., Janzamin E., BBani ardalan P., Evaluation of expansion and differentiation of UCB-hematopoietic stem cells expanded in suspension bioreactor with vertical agitation, *Sci. J., Iran Blood Transfus Organ* 2013 10(2) 112-121
- Rezaie E., Salimian J., Olad G.H, Sadati M., **Ebrahimi M.**, Boostani H., Survey and comparison of immunization scale of the recombinant proteins of attachment subunit of tetanus and botulinium (A) toxins, . *J. Ilam Uni.* 2013 Aug.21(5) 109-114
- Rajabi Fomashi M., **Ebrahimi M.**, S.J.Mowla, Samani F.S.Evaluating the expression of cell surface markers CD133, CD44 and ABCG2 in melanoma cell lines and its relationship to cancer stem cells, *Danshevar Medicine* 2013 . sep. 106, 1-13
- Jangravi Z, Alikhani M, Arefnezhad B, Sharifi Tabar M, Taleahmad S, Karamzadeh R, Jadaliha M, Mousavi SA, Ahmadi Rastegar D, Parsamatin P, Vakilian H, Mirshahvaladi S, Sabbaghian M, Mohseni Meybodi A, Mirzaei M, Shakhoseini M, **Ebrahimi M.**, Piryaei A, Moosavi-Movahedi AA, Haynes PA, Goodchild AK, Nasr-Esfahani MH, Jabbari E, Baharvand H, Sedighi Gilani MA, Gourabi H, Salekdeh GH, A fresh look at the male-specific region of the human Y chromosome ,*J Proteome Res.* 2013 Jan 4;12(1):6-22. doi: 10.1021/pr300864k. Epub 2012 Dec 20.
- **Marzieh Ebrahimi**, Zuhair M. Hassan, Ali Mostafaie .Narges Zare Mehrjardi and Tooba ghananfari. Garlic Purified Proteins modulate immune response against breast Tumors in Balb/c mice Model. (*Cell Journal, Yakhteh* , 3013, 15(1) 65-74)
- **Ebrahimi M.** Kharazi Sh., Shaker Z., Haji moradi M., *Cell and Molecular Immunology*, (Translation), Boshra Publisher.
- Janzamin Ehsan, Samani F., Khosravani P. **Ebrahimi M.**, Theoretical and practical basics of flow cytometry, Royan Publisher
- **2012**

- M Farokhimanesh, M Ebrahimi, A Ghamnak, S Z Hashemi, Synthetic canonical miR-31, a pleiotropically acting anti-metastasis miR-based therapeutic in invasive breast cancer, *Research in Pharmaceutical Sciences*, 2012/8/9, 7 (5), S495
 - Zahabi A, Shahbazi E, Ahmadi H, Hassani SN, Totonchi M, Taei A, Masoudi N, Ebrahimi M, Aghdami N, Seifinejad A, Mehrnejad F, Daftarian N, Salekdeh GH, Baharvand H. A new efficient protocol for directed differentiation of retinal pigmented epithelial cells from normal and retinal disease induced pluripotent stem cells. *Stem Cells Dev.* 2012 Aug 10;21(12):2262-72.
 - **Ganji F., Abron S., Baharvand H., Ebrahimi M., Aghdami N.,** In-vitro differentiation of human embryonic stem cells into hemangioblasts , *Tehran University Medical Journal (TUMJ)*, 1391 , 3 *khordad 70 (3) 141-49*
 - Khoshchehreh R, **Ebrahimi M**, EslamiNejad MBa, Aghdami Na ,Samani F, Baharvand H. Rat Pancreatic Stromal Cells (PSC) affect Differentiation of Human Mesenchymal Stem Cells (hMSC) into Insulin-Producing Cells In Vitro (*cell science and therapy 2012 3,5, 1-8*).
 - Shayan N, **Ebrahimi M**, Beiki B, Janzamin E. A non-rotational, computer-controlled suspension bioreactor for expansion of umbilical cord blood mononuclear cells. *Biotechnol Lett.* 2012 Nov;34(11):2125-31.
 - Azarpira N., Amini M., Kojuori J., **Ebrahimi M.**, Karimian Z., Saadat I, Bagheri lankarani J, Assesment of scientific thinking in basic science in the Iranian second national Olympiad, *BMC* 2012 5:61
- **2011**
- Ahmadian Kia N, Bahrami AR, **Ebrahimi M**, Matin MM, Neshati Z, Almohaddesin MR, Aghdami N, Bidkhorri HR. Comparative analysis of chemokine receptor's expression in mesenchymal stem cells derived from human bone marrow and adipose tissue. *J Mol Neurosci.* 2011 Jul;44(3):178-85.
 - Khoshchehreh R, **Ebrahimi M**, Baghban EslamiNejad M, Aghdami N, Baharvand H, In-vitro Potential of Human Bone Marrow and Umbilical Cord Vein Mesenchymal Stem Cells to Differentiate into Insulin Producing Cells, *Iranian Journal of Endocrinology and Metabolism* Vol 13 No.4 November 2011 384-397
 - Elahe Afzal, **Marzieh Ebrahimi**, S. Mahmoud Arab Najafi, Arezoo Daryadel , Hossein Baharvand. Potential Role of Heat Shock Proteins in Neural Differentiation of Murine Embryonal Carcinoma Stem Cells (P19), *Cell Biol Int.* 2011 Jul 1;35(7):713-20

• **2010**

- Farzaneh Z, Pournasr B, **Ebrahimi M**, Aghdami N, Baharvand H, Enhanced functions of human embryonic stem cell-derived hepatocyte-like cells on three-dimensional nanofibrillar surfaces. *Stem Cell Rev.* 2010 Dec;6(4):601-10
- **M. Ebrahimi**, N. Aghdami; The Applications of Bone Marrow-Derived Stem Cells to Induce Tolerance and Chimerism in Organ Transplantation. *Int J Org Transplant Med* 2010; Vol. 1 (4) 157-169.
- **Ebrahimi M**, Mohammadi P, Daryadel A, Baharvand H. Assessment of heat shock protein (HSP60, HSP72, HSP90, and HSC70) expression in cultured limbal stem cells following air lifting. *Mol Vis.* 2010 Aug 18;16:1680-8.
- Baradaran-Rafii A, **Ebrahimi M**, Kanavi MR, Taghi-Abadi E, Aghdami N, Eslani M, Bakhtiari P, Einollahi B, Baharvand H, Javadi MA. Midterm outcomes of autologous cultivated limbal stem cell transplantation with or without penetrating keratoplasty. *Cornea.* 2010 May;29(5):502-9.
- Spagnoli GC, **Ebrahimi M**, Iezzi G, Mengus C, Zajac P, Contemporary immunotherapy of solid tumors: from tumor-associated antigens to combination treatments. *Curr Opin Drug Discov Devel.* 2010 Mar;13(2):184-92.
- P. Mohamamdi, **M. Ebrahimi**, H. Baharvand, corneal differentiation following HSC70 and HSP72 Expression during air exposure of limba stem cells cultured on denude amniotic membrane and, *Yakhteh (2010 12 (2) 173-182)*
- Ahmadi M.H., Etedali Kh., **Ebrahimi M.**, Samimi S., Mohammad M., Khosh Akhlagh A., Zandieh T., Zarrabi M., Bacterial contamination of umbilical cord blood units intended for the cryopreservation in Royan Cord Blood Bank (2005-2008), *Sci J Iran Blood Transfus.*, 2010; 6(4): 257-265
- **2009**
- Ahmadiankia N, **Ebrahimi M**, Hosseini A, Baharvand H, Effects of different extracellular matrices and co-cultures on human limbal stem cell expansion in vitro. *Cell Biol Int.* 2009 Sep;33(9):978-87.
- **Ebrahimi M**, Hassan ZM, Hadjati J, Hayat P, Moazzeni SM., Immidiate Exposure to TNF-alpha Activate Dendritic Cells Derived from Non-Purified Cord Blood Mononuclear Cells, *Iran J Immunol.* 2009 Sep;6(3):107-18.
- Beiki B., **Ebrahimi M.**, Characterization of expanded cord blood cells in medium supplemented with different cytokines, *Sci J Iran Blood Transfus*, 2009 6(2); 95-105 (**National**)
- **Ebrahimi M.**, Taghi Abadi E., Baharvand H., Limbal Stem Cell In review, *J Ophthalmic Vis Res* 2009; 4 (1): 40-58.
- **2008**
- Brand, P. Rebull, C. P. Engelfriet, H. W. Reesink, Y. Beguin, G. Kögler, **M. Ebrahimi**, G. Grazzini, A. N. Costa, A. Bosi, N. Sacchi, L. Lombardini, S. Pupella, L. Lecchi, P. Rebull, E. D. Calderón Garcidueñas, J. M. van Beckhoven, H. J. C. de Wit, W. E. Fibbe, E. B. Zhiburt, T. Bart, M. Beksac, C. Navarrete & F. Regan, Cord blood banking, *Vox Sanguinis*, 2008, **95**, 335–348

- Naghmeh Ahmadiankia, **Marzieh Ebrahimi**, Ahmad Hosseini, Hossein Baharvand, The Effects of Extracellular Matrices and Co-Culture Systems on Cultured Limbal Stem Cells, *Yakhteh Medical Journal*, Vol 10, No 1, Spring 2008, Pages: 47-56
 - Baharvand H., **Ebrahimi M. et al**, Stem cells, Danesh Publisher, 2008 (writing of 3 chapters)
 - **Ebrahimi M.**, Taghi Abadi E., Baharvand H., Clinical Application of limbal Stem Cells in Patient with limbal stem cell Deficiency, *Bina J Ophthalmology* 2008 13(2) 227-243.
 - Mohammad Reza Bagheban Eslaminnejad, Soura Mardpour, **Marzieh Ebrahimi**. Growth kinetics and in vitro ageing of mesenchymal stem cells isolated from Rat adipose versus bone marrow tissues, *Iranian journal of Veterinary Surgery (IJVS)*, 2008; 3(2); 9-20.
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- **2007**
 - Hossein Baharvand, Manzar Heidari, **Marzieh Ebrahimi**, Tahereh Valadbeigi, Ghasem Hosseini Salekdeh, Proteomic analysis of epithelium-denuded human amniotic membrane as a limbal stem cell niche, *Molecular Vision* 2007; 13:1711-21.
 - Hossein Baharvand, **Marzieh Ebrahimi**, Mohammad Ali Javadi, Comparison of characteristics of cultured limbal cells on denuded amniotic membrane and fresh conjunctival, limbal and corneal tissues, *Develop. Growth Differ.* (2007) **49**, 241–251
 - **M. Ebrahimi** , ZM. Hassan , S.M. Moazzeni , J. Hadjati, S. Kazemi Ashteiani , P. Haiat, Effect of Immediate TNF- α Exposure on Phenotype and Function of Dendritic Cells derived from Cord Blood Mono Nuclear Cells, (*Yakhteh Medical Journal*, 2007 9(2) 125-134.
 - **Ebrahimi M.** , Hassan ZM., Moazzeni S.M., Kazemi Ashteiani S., Ghaflati Z., Hajati J. , Study the Effects of increased heat shock proteins expression in MDA-MB468 Adenoma Carcinoma cells on Expansion and Differentiation of Hematopoetic Stem Cells, (*Yakhteh Medical Journal*, 2007 9(2) 91-102.
 - **2006**
 - MA. Javadi, B. Einollahi, A. Baradaran Rafiei, H. Baharvand, **M.Ebrahimi**, N.Rafati, M.Rezaei Kanavi, Early Results of Autologous Cultivated Limbal Stem Cell Transplantation in Total Limbal Deficiency, *Iranian Journal of Ophthalmological Research*, 2006, 1(2), 71-80
 - **Essential Cell Biology**, (Second Edition 2004, Bruce Alberts, Dennis Bray, Karen Hopkin, et all), Translated by H.Baharvand, B.Mirhabibi, A., Sheikhian, S.M.M. Hashemi, D. Sabour, Sh. Zarei Moradi, **M. Ebrahimi**, N.Zare, M.Pakzad, P.Farzaneh, 2006.
 - Baharvand H., **Ebrahimi M**, Rafati N, Rezaei Kanavi M., Early Results of Autologous Cultivated Limbal Stem Cell Transplantation in Total Limbal Stem Cell Deficiency, Javadi MA, Einollahi B, Baradaran Rafiei AR, *Bina J Ophthalmol* 2006; 11 (3): 275-288.

- 2005

- **Ebrahimi M.**, Javadi MA, Einollahi B, Massumi M, Culture and Proliferation of Human Limbal Stem Cells In Vitro, Baharvand H, *Bina J Ophthalmol* 2005; 10 (4): 419-429
- Mohammadian J., Naderi Manesh H., Maghosudi N, Khalil zadeh R., Shojasadati SA, **Ebrahimi M.**, Effect of Oxidative Stress on the production of Recombinant human interferon gamma in Esherchia Coli., *Biothechnol Appl Biochem*, 2005 41 (pt1) 37-42.

- 2004

- **Ebrahimi M.**, Baharvand H., Piryaei A., Masoumi M., Comparison of Ultrastructure and Gene Expression of Cultured Limbal Stem Cells and Fresh Conjunctival, Limbal and Corneal Tissues. *Journal of Iranian Anatomical Sciences* 2006;4(2) :131-146.

- 2002

- *T.Ghazanfari, Z.M.Hassan, M. Ebrahimi*, Immunomodulatory Activity of a Protein Isolated from Garlic Extract on Delayed Type Hypersensitivity, *International Immunopharmacology* 2002 2 1541-49.

Book Publications:

Ebrahimi M., Janzamin E., Samani F.S., KKhosravani P. Principals and methods in flowcytometry (2013)

Attending in Conferences, Seminars, etc (Did not update due to huge information)

- 2014

- Biomedical Engineering (ICBME) conference, Neda Rashidi, Mohammad Tafazzolishadpour, Ramin Omidvar, Marzieh Ebrahimi, Evaluation of elastic properties of breast cancer stem-like/tumor initiating cells using Atomic Force Microscopy , 2014/11/26, , 134-137
- Cancer stem cells 20 years later: Achievements, controversies, emerging concepts and technologies , 3 - 6 October 2014 | Catanzaro, Italy , Marzieh Ebrahimi, Tehran, IS OUTCOME OF MELANOMA GROWTH AND INVASION IS DETERMINED BY BALANCE OF SECRETED CYTOKINES FROM MSCS AND CONTACT MSCS TO TUMOR CELLS
- Cancer stem cells 20 years later: Achievements, controversies, emerging concepts and technologies , 3 - 6 October 2014 | Catanzaro, Italy , Rajabi Fomeshi Motahareh , Ebrahimi Marzieh , Mowla Seyed Javad , Khosravani Pardis, MELANOSPHERES UP REGULATE MIR-10B, 21; 200C, 373, AND MIR-520C THAT ARE RESPONSIBLE TO CONTROL EPITHELIAL-MESENCHYMAL TRANSITION (EMT)
- Cancer stem cells 20 years later: Achievements, controversies, emerging concepts and technologies , 3 - 6 October 2014 | Catanzaro, Italy , Abdolahi Pegah , Ebrahimi Marzieh , Motamed Nasrin , SILIBININ AFFECTS TUMOR CELL GROWTH DUE TO REDUCTION OF STEMNESS PROPERTIES AND INDUCTION OF APOPTOSIS IN 2D AND 3D MODEL OF MDA MB- 468

- 2013

- Shirin Farjadian, Saideh Ebrahimkhani, **Marzieh Ebrahimi**, IRAN UMBILICAL CORD BLOOD BANK: DOES IT COVER ALL IRANIAN SUBPOPULATIONS BASED ON

HLA DIVERSITY? , TISSUE ANTIGENS Conference, USA, 2013/5/1, Volume 81, Issue 5, Pages 311-311

2012

- 8th Royan International congress on stem cell biology and technology, Poster presentation, 5-7 Sept. 2012 (23 Hours) , Tehran, Iran
- The second symposium of cord blood stem cells, 20 Feb. 2013 (Oral Presentation) Clinical terial designing workshop Royan Institute, 6-7 jun 2012
- NCRI Cancer Conference 2012, UK, Zahra Madjd , Raheleh Roudi, Marzieh Ebrahimi , Ali Samadikuchaksaraei, Cancer stem cells of human lung adenocarcinoma cell line A549: more specific single marker or new marker combinations?

• **2010**

• **Cancer Stem Cells, Precongress**

- Interaction with mesenchymal cells modulates melanoma cells fate through changing cell proliferation, phenotype and gene expression profiles., **Ebrahimi M.**, Iezzi G, Heberer M., Spagnoli G. Suregical Cancer research Conference, 25-27 Jun, Interlucken, Switzerland (Oral)
- Influence of Bone Marrow derived Mesenchymal cells melanoma cell fate. **Ebrahimi M.**, Iezzi G, Heberer M, Spagnoli G., , European suregical cancer congress, 20-24 may 2010, Geneva, Switzerland (Poster)

• **2009**

- Effect of bone marrow derived Mesenchymal stromal cells on proliferation and expansion of stemness genes in melanoma cell lines., **Ebrahimi M.**, Iezzi G., Heberer M., Spagnoli G., . Second Norwegian cancer symposium, 2-4 Dec 2009, Oslo, Norway
- Evaluation of heat shock proteins (60-72- 90) and heat shock constitutive protein70 expression in cultured limbal stem cells during air exposure , Mohammadi P, **Ebrahimi M.**, Baharvand H., ICCR 2009.7th Annual Meeting, July 8-11, 2009, Barcelona, Spain (**Poster**)
- Evaluation of heat shock protein 90 and heat shock constitutive protein70 expression in cultured limbal stem cells during air exposure, P. Mohamadi, **M. Ebrahimi**, H. Baharvand, E. Taghi Abadi, M. M omeni Moghadam, E Jan Zamin, Sept 2009, Royan Stem Cell Congress, Tehran, Iran

• **2008**

- New stem cells in cord blood, **Marzieh Ebrahimi**, 9th Royan International Congress, Nursing section, 27-29 Aug. 2008, Tehran Iran. (**Invited Speaker**).
- Assessment of Cryopreserved Cord blood Units in Private Royan Cord Blood Bank, **Ebrahimi M.**, Zarrabi M., Samimi S., Mohammad M., Etedali Kh., Jan Zamin E., Ahmadi MH, Khosh Akhlagh A., Shayan N., Zandieh T., Abron S., Aghdami N., Kasaeian M., 4th Royan International Stem Cell Congress, 27-29 Aug. 2008, Tehran Iran. (**Poster**).
- Cord blood Stem Cells: where we are going?, **Marzieh Ebrahimi**, symposium on recent trends in reproductive health research 20th-22nd Feb 2008, Hyderabad , India (**Invited Speaker**).
- Evaluation the effects of bFGF on limbal stem cells cultured on amniotic membrane and ollagenI, Taghiabadi E., **Ebrahimi M.**, Valadbeigy T., Baharvand H., 14th congress of Iranian society for reproductive medicine, 21th-22nd Feb. 2008, Yazd, Iran (**Oral**)
- 4th Asian family health scientific congress, Jan 5-6 2008, Tehran, Iran

• **2007**

- Ex Vivo Expansion of Hematopoietic Stem Cells By Bioreactors, **M.Ebrahimi**, *Cord blood stem cells, Potentials and prospectives*, 3 May 2007, Royan Institute, Tehran, Iran. **(Invited Speaker)**.
- Culture of human limbal stem cells on amniotic membrane or collagen with bFGF/noggin, **Ebrahimi M.**, Taghi Abadi E., Heidari M., Javadi MA., Hosseini salekdeh Gh., Baharvand H., *Jun 17, 2007, 5th annual ISSCR meeting, Australia (Poster)*.
- Study of human limbal stem cells cultured on different matrices and co-culture systems, AhmadiankiaN., **Ebrahimi M.**, Baharvand H., Arab Najafi S.M.. *Jun 17, 2007, 5th annual ISSCR meeting, Australia (Poster)*.
- Heat shock and the role of heat shock proteins during neural differentiation from murine embryonal carcinoma stem cells, Afzal E., **Ebrahimi M.**, Baharvand H., Hosseini A. *Jun 17, 2007, 5th annual ISSCR meeting, Australia (Poster)*.
- Cord Blood Banking, **Ebrahimi M.**, *the First National Congress of Healthy Child, 22-23 Feb 2007, Tehran, Iran (Oral)*.
- Application of Cord Blood Stem Cells in Disease, **Ebrahimi M.**, *the 3rd Asian Family Health Research Award*, 14-15 Jan 2007, Tehran, Iran. **(Oral)**
- *Application of Stem Cells in Cardiovascular Disease*, 25 Jan 2007, Tehran Iran.
- **2006**
 - Evaluation of Two Different Cytokine Combinations in Expansion and Dendritic Cell Differentiation from Cord Blood Primitive Cells., **Ebrahimi M.**, Hassan ZM, Moazzeni SM., Hagati J., Ghaflati C. Sajad KH. *the 8th Iranian Congress of Immunology and Allergy 16-18 May 2006, Tehran, Iran(Oral)*.
 - Functional and Phenotyping Characteristics of Dendritic Cells Derived from Unfractionated Umbilical Cord Blood Mono nuclear Cells., **Ebrahimi M.**, Hassan ZM, Hajati J, Haiat P., Moazeni SM., *the 8th Iranian Congress of Immunology and Allergy 16-18 May 2006, Tehran, Iran(Poster)*.
 - Characteristics of Human Limbal Epithelial Stem Cells During the Expansion on Denuded Amniotic Membrane, **Ebrahimi M.**, Baharvand H., Javadi MA, Massumi M., Piryaeei A., *4th ISSCR Annual Meeting, 29 Jun- 1 Jul 2006, Toronto , Ontario, Canada.(Poster)*
 - Evaluation of Two Different Cytokine Combinations in Expansion and Dendritic Cell Differentiation from Cord Blood Primitive Cells., **Ebrahimi M.**, Hassan ZM, Moazzeni SM., Hagati J., Kazemi Ashteyani S., *4th ISSCR Annual Meeting, 29 Jun- 1 Jul 2006, Toronto , Ontario, Canada.(Poster)*
 - *The First Flowcytometry Work Shop, 22 Apr 2006, Tehran Iran.*
 - *Tissue Engineering Symposium, 31 Dec 2006 Tehran, Iran.*
- **2005**
 - In vitro Culture of human limbal stem cells, **M. Ebrahimi**, H.Baharvand, *The sixth Royan International Research Award, 7-9 Sep 2005 , Tehran , Iran. (Oral)*
 - Differential Gene Expression during culture of human Limbal Stem Cells, **M. Ebrahimi**, H.Baharvand, M.Massumi, M.A.Javadi, *International Symposium on Stem Cells, 18-21 Sep. 2005 Mumbai, India(Oral, Win Grant)*
 - Limbal Stem Cells, **Ebrahimi M.**, *Stem Cells Symposium 21 May 2005, Medical science university , Gilan, Iran.*
 - Flow cytometry Symposium, *Tehran Medical Science University, 29 Jun 2005.*
- **2004**
 - The Effect of Amniotic Membrane on Differentiation of Embryonic Stem Cell- Derived Cardiomyocytes, **M. Ebrahimi**, H.Baharvand, H.Jafari, A.Taei, S.Mollamohamadi., M.Massumi, *14 th Congress of Iranian heart Association in Collaboration with British Cardiac Society 23-26 Nov 2004. Tehran Iran (Oral)*.

- Quantitative Assay of Protein Oxidation by ELISA Method, **M. Ebrahimi**, M.R.Masoumian, N.Maghsoudi, *7th Iranian Allergy and Immunology Congress, 4-6 May 2003, Medical Science University, Mashhad. Iran (Poster)*.
- *Fifth Royan International Research Award' Scientific Congress, 1-3 Sept 2004, Tehran, Iran.*
- **2003**
 - Determination of Endotoxin and pyrogenicity in rhIFN γ , **M. Ebrahimi**, MR.Mohamadi , N. Maghsodi, *16th Iranian Congress of physiology and Pharmacology ,Tehran, Iran, May 9-13 2003(Oral)*.
 - Pyrogenicity and Endotoxin Assay in rhIFN-g, **Ebrahimi M.**, Mohammadi MR, Kavvosi Gh, Maghsodi N., *16th Iranian Congress of physiology and Pharmacology ,Tehran, Iran, May 9-13 2003(Poster)*.
 - Application of Proteins Display on Microorganisma in Cellular Physiology, Fallah Mehrabadi J., **Ebrahimi M.**, *16th Iranian Congress of physiology and Pharmacology ,Tehran, Iran, May 9-13 2003(Oral)*.
 - Ex Vivo Expansion of Limbal Stem Cells, **Ebrahimi M.**, *Stem Cell Symposium, Medical Science University, Babol, Iran. 31 Dec 2003 (Invited Speaker)*.
 - Immunization Symposium, *15 May 2003, Razi Institute, Tehran Iran.*
 - Immunocyte Activation: In Vitro Protocols Work Shop, *International Center for Genetic Engineering and Biothechnology , New Delhi , India 3-14 Nov. 2003.*
 - Work Shop of Application of Polymrs in Medicine, *Petrochemical Research Institute, Tehran, Iran 28 Mar 2004.*
- **2002**
 - Study on the Immuno stimulatory Effect of Garlic Extract on Intra- Tumor CD4/CD8 Ratio, **M. Ebrahimi**, Z.Hassan, A. Mostafaii, *11th International Congress of Immunology, 2002, Sweden.(Oral)*
 - Decreasing of CD4/CD8 ratio into tumor site after intra tumor injection by Immunomodulator Fraction (R10) of Garlic Extract, **M. Ebrahimi**, Z.M.Hassan. A.Mostafaii, *6th Iranian Allergy and Immunology Congress, 7-9 may 2002, Iranian Medical Science, Tehran. Iran.(Oral)*
 - An Immunomodular Function of Garlic affects peripheral Blood T cells in tumor animal model, Hassan Zm, **Ebrahimi M.**, Mostafaii, A., *6th Iranian Allergy and Immunology Congress, 7-9 may 2002, Iranian Medical Science, Tehran. Iran.(Oral)*
 - Quantitation of E.Coli Cell Protein (ECP) Impurities in Recombinant Human Interferon Gamma (rhIFN-g) by ELISA, M.R. Mohammadi, N.Maleksabet, **M.Ebrahimi**, M.Zeinalli, N.Maghsoudi. *1th National Congress of Molecular Cell Biology, 2002, Ahvaz University(Oral)*.
 - New Thechnics of IFA, ELISA, Blotting, Biochips Workshop, *7-9 May 2002, Euro Immune Company, Tehran, Iran.*
- **2001**
 - The Effect Fraction of Garlic Extract on Intra Tumoral T cell (CD4/CD8) ratio, **M. Ebrahimi**, Z.M.Hassan. A.Mostafaii, *1st Iranian Congress of Cancer Research, 15-18 May, 2001, Uromia, Iran.*
- **2000**
 - *5th Iranian Allergy and Immunology Congress, 18-20 May 2000, Tarbiat Modares University, Tehran. Iran.*
 - Colorimetric Assay As a Way of Assessing Cellular Functions, 19 May 2000.
-

Practical Experiences

- Confocal microscopy
- Stem Cell Culture (Adult/Embryonic/Cancer Stem cell), Differentiation (Epithelial, Cardiomyocyte, Blood Cell)
- Protein Purification, Chromatography Analysis , Electrophoresis, Western Blot, ELIZA.
- PCR, Q RT-PCR
- Flow Cytometry

Language

English: Speaking and Writing

Persian: Mother Language

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