

Count	Authors	Title	Citation	DOI or PMID	Year	PubPeer post
1	Hossein Baharvand, Mahnaz Azarnia, Kazem Parivar, Saeid Kazemi Ashtiani	The effect of extracellular matrix on embryonic stem cell-derived cardiomyocytes	Journal of Molecular and Cellular Cardiology 38 (2005) 495–503	10.1016/j.jmcc.2004.12.011	2005	https://pubpeer.com/publications/F32245455A07C95B432300073055BE
2	Hossein Baharvand, Seyed M. Hashemi, Saeid Kazemi Ashtiani, Ali Farrokhi	Differentiation of human embryonic stem cells into hepatocytes in 2D and 3D culture systems <i>in vitro</i>	Int. J. Dev. Biol. 50: 645-652 (2006)	10.1387/ijdb.052072hb	2006	https://pubpeer.com/publications/B8EF8BDE3287C741958148A9212D62
3	Hossein Baharvand, Saeid Kazemi Ashtiani, Adeleh Taei, Mohammad Massumi, Mojtaba R. Valojerdi, Poopak E. Yazdi, Shabnam Z. Moradi, Ali Farrokhi	Generation of new human embryonic stem cell lines with diploid and triploid karyotypes	Develop. Growth Differ. (2006) 48, 117–128	10.1111/j.1440-169x.2006.00851.x	2006	https://pubpeer.com/publications/D5576B155ABEA708723279BAED5687
4	Hossein Baharvand, Enrique Roche, Bernat Soria	Sources of β-Cells for Cell Therapy in Diabetes	Immun., Endoc. & Metab. Agents in Med. Chem., 2006, 6, 219-231	10.2174/187152206776359920	2006	https://pubpeer.com/publications/0AE04FCDC2AEFBC4A1FBC5F8376950
5	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	10.1111/j.1440-169x.2007.00924.x	2007	https://pubpeer.com/publications/96D5DF1C9A48677456FFA4C4F2EF1A
6	L. Rohani, K. Karbalaei, A. Vahdati, M. Hatami, M.H. Nasr-Esfahani, H. Baharvand	Embryonic stem cell sphere: A controlled method for production of mouse embryonic stem cell aggregates for differentiation	The International Journal of Artificial Organs / Vol. 31 / no. 3, 2008 / pp. 258-26	10.1177/039139880803100310	2008	https://pubpeer.com/publications/8EE7A08C49278562427D91FAD9186F
7	Maryam Hatami, Nargess Zare Mehrjardi, Sahar Kiani, Katayoun Hemmehi, Hossein Azizi, Abdolhossein Shahverdi, Hossein Baharvand	Human embryonic stem cell-derived neural precursor transplants in collagen scaffolds promote recovery in injured rat spinal cord	Cytotherapy (2009) Vol. 11, No. 5, 618–630	10.1080/14653240903005802	2009	https://pubpeer.com/publications/30642781C00CBB37021AB5CCD88BBB
8	Sepideh Mollamohammadi, Adeleh Taei, Mohammad Pakzad, Mehdi Totonchi, Ali Seifinejad, Najmehsadat Masoudi, Hossein Baharvand	A simple and efficient cryopreservation method for feeder-free dissociated human induced pluripotent stem cells and human embryonic stem cells	Human Reproduction, Vol.24, No.10 pp. 2468–2476, 2009	10.1093/humrep/dep244	2009	https://pubpeer.com/publications/FE4AC578672C5ABDB843A54914266E
9	Naghmeh Ahmadiankia, Marzieh Ebrahimi, Ahmad Hosseini, Hossein Baharvand	Effects of different extracellular matrices and co-cultures on human limbal stem cell expansion <i>in vitro</i>	Cell Biology International 33 (2009) 978e987	10.1016/j.cellbi.2009.06.019	2009	https://pubpeer.com/publications/F4A5413033E40D6738426DD1B22B1A
10	Mohamedreza Baghaban Estaminejad, Leila Rouhi, Mahmood Arbabnajafi, Hossein Baharvand	Rat marrow-derived mesenchymal stem cells developed in a medium supplemented with the autologous versus bovine serum	Cell Biology International 33 (2009) 607e616	10.1016/j.cellbi.2009.03.001	2009	https://pubpeer.com/publications/C24392F9853D80DD6FBFF38DEC6556
11	Arefeh Ghodizadeh & Adeleh Taei & Mehdi Totonchi & Ali Seifinejad & Hamid Gourabi & Behshad Pournasr & Nasser Aghdam & Reza Malekzadeh & Navid Almandani & Ghasem Hosseini Salekdeh & Hossein Baharvand	Generation of Liver Disease-Specific Induced Pluripotent Stem Cells Along with Efficient Differentiation to Functional Hepatocyte-Like Cells	Stem Cell Rev and Rep (2010) 6: 622–632	10.1007/s12015-010-9189-3	2010	https://pubpeer.com/publications/2CEEDBC786EFE28CC3B1F2B6F0F971
12	Zahra Farzaneh, Behshad Pournasr, Marzieh Ebrahimi, Nasser Aghdam, Hossein Baharvand	Enhanced Functions of Human Embryonic Stem Cell-derived Hepatocyte-like Cells on Three-dimensional Nanofibrillar Surfaces	Stem Cell Rev and Rep (2010) 6: 601–610	10.1007/s12015-010-9179-5	2010	https://pubpeer.com/publications/2D30661D9DB12F3590CD78DAF9E40A
13	Maryam Shahhoseini, Adeleh Taei, Narges Zare Mehrjardi, Ghasem Hosseini Salekdeh, and Hossein Baharvand	Epigenetic analysis of human embryonic carcinoma cells during retinoic acid-induced neural differentiation	Biochem. Cell Biol. 88: 527–538 (2010)	10.1139/O09-181	2010	https://pubpeer.com/publications/0025BFD1031C5FEC5B22741F5CE476
14	Elahe Afzal, Marzieh Ebrahimi, S Mahmoud Arab 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) 35, 713–720	10.1042/CBI20100457	2011	https://pubpeer.com/publications/545AFF1CB593E47B05382291470D01
15	Sarah Ranjbarvaziri, Sahar Kiani, Aliasghar Akhlaghi, Ahmad Vosough, Hossein Baharvand, Nasser Aghdam	Quantum dot labeling using positive charged peptides in human hematopoietic and mesenchymal stem cells	Biomaterials 32 (2011) 5195e5205	10.1016/j.biomaterials.2011.04.004	2011	https://pubpeer.com/publications/98F956E979E1D44B06D91C4B8AC348
16	Mehran Rezaei Larijani, Ali Seifinejad, Behshad Pournasr, Vahid Hajihoseini, Seyyed-Nafiseh Hassani, Mehdi Totonchi, Maryam Yousefi, Farnaz Shamsi, Ghasem Hosseini Salekdeh, Hossein Baharvand	Long-Term Maintenance of Undifferentiated Human Embryonic and Induced Pluripotent Stem Cells in Suspension	Stem Cells and Development Volume 20, Number 11, 2011	10.1089/scd.2010.0517	2011	https://pubpeer.com/publications/4B64691321DC2843FD6F435BCB961B
17	Fereshteh Esfandiari, Ali Fathi, Hamid Gourabi, Sahar Kiani, Shiva Nemati, Hossein Baharvand	Glycogen Synthase Kinase-3 Inhibition Promotes Proliferation and Neuronal Differentiation of Human-Induced Pluripotent Stem Cell-Derived Neural Progenitors	Stem Cells and Development (2012)	10.1089/scd.2011.0678	2012	https://pubpeer.com/publications/F3F62DEF1B56FE6D4F2E95E0120874
18	Saeed Abbaslizadeh, Mehran Rezaei Larijani, Azam Samadian, Hossein Baharvand	Bioprocess Development for Mass Production of Size-controlled Human Pluripotent Stem Cell Aggregates in Stirred Suspension Bioreactor	Tissue Eng Part C Methods. 2012 Nov;18(11):831-51.	22559864	2012	https://pubpeer.com/publications/92FCAF83A7ED8EDF3F2697C09DED41
19	Azadeh Zahabi, Ebrahim Shahbazi, Hamid Ahmadiyah, Seyedeh-Nafiseh Hassani, Mehdi Totonchi, Adeleh Taei, Najmehsadat Masoudi, Marzieh Ebrahimi, Nasser Aghdam, Ali Seifinejad, Faramarz Mehrnejad, Narsis Daftarian, Ghasem Hosseini Salekdeh, Hossein Baharvand	A New Efficient Protocol for Directed Differentiation of Retinal Pigmented Epithelial Cells from Normal and Retinal Disease Induced Pluripotent Stem Cells	Stem Cells and Development Volume 21, Number 12, 2012	10.1089/scd.2011.0599	2012	https://pubpeer.com/publications/CAC33C64E0978A2286605C6E1C0BA
20	Mohammad Pakzad, Mohammad Kazemi Ashtiani, Seyed Latif Mousavi-Gargari, Hossein Baharvand	Development of a simple, repeatable, and cost-effective extracellular matrix for long-term xenofree and feeder-free self-renewal of human pluripotent stem cells	Histochem Cell Biol 140, 635–648 (2013)	10.1007/s00418-013-1144-3	2013	https://pubpeer.com/publications/164C25867C53BADD8CF7C56C15A949#1

Count	Authors	Title	Citation	DOI or PMID	Year	PubPeer post
21	Seyedeh-Nafiseh Hassan, Mehdi Totonchi, Ali Sharifi-Zarchi, Sepideh Mollamohammadi, Mohammad Pakzad, Sharif Moradi, Azam Samadian, Najmehsazat Masoudi, Shahab Mirshahvaladi, Ali Farrokhi, Boris Greber, Marcos J. Araúzo-Bravo, Davood Sabour, Mehdi Sadeghi, Ghasem Hosseini Salekdeh, Hamid Gourabi, Hans R. Schöler, Hossein Baharvand	Inhibition of TGF β Signaling Promotes Ground State Pluripotency	Stem Cell Rev and Rep	10.1007/s12015-013-9473-0	2013	https://pubpeer.com/publications/4C4707AEA51E4F889D181C5C94DFEE
22	Mohammad-Hossein Beigi, Laleh Ghasemi-Mobarakhe, Molamma P. Prabhakaran, Khadijeh Karbalaei, Hamid Azadeh, Seiram Ramakrishna, Hossein Baharvand, Mohammad Hossein Nasr-Esfahani	In vivo integration of poly(e-caprolactone) /gelatin nanofibrous nerve guide seeded with teeth derived stem cells for peripheral nerve regeneration	Journal of biomedical materials research. Part A (2014)	10.1002/jbm.a.35119	2014	https://pubpeer.com/publications/3F17409C7EC687C80EA06D83DB6A3A
23	Mohammad Hossein Ghanian , Zahra Farzaneh , Jalal Barzin , Mojgan Zandi , Mohammad Kazemi-Ashtiani , Mehdi Alkhani , Morteza Ehsani , Hossein Baharvand	Nanotopographical control of human embryonic stem cell differentiation into definitive endoderm	Journal of biomedical materials research. Part A (2015)	10.1002/jbm.a.35483	2015	https://pubpeer.com/publications/72B6FF9EEE9DF5EA54404417E0E143
24	Khadjeh Karbalaei, Somayyeh Tanhaei, Farzaneh Rabiei, Abbas Kiani-Esfahani, Najmeh Sadat Masoudi, Mohammad Hossein Nasr-Esfahani, Hossein Baharvand	Stem Cells from Human Exfoliated Deciduous Tooth Exhibit Stromal-Derived Inducing Activity and Lead to Generation of Neural Crest Cells from Human Embryonic Stem Cells	Cell Journal(Yakhteh), Vol 17, No 1, Spring 2015, Pages: 37-48	25870833	2015	https://pubpeer.com/publications/F782FDC225A464225FF8839DA68149
25	Fazel Sahranshini Samani, Marzieh Ebrahimi, Tahereh Zandieh, Reyhan Khoshchreh, Mohamadreza Baghaban Eslaminejad, Nasser Aghdami, Hossein Baharvand	In Vitro Differentiation of Human Umbilical Cord Blood CD133+ Cells into Insulin Producing Cells in Co-Culture with Rat Pancreatic Mesenchymal Stem Cells	Cell Journal(Yakhteh), Vol 17, No 2, Summer 2015	26199900	2015	https://pubpeer.com/publications/6D22860886BC9910A079BEA2B27834
26	A. Yazdi, H. Baharvand, M. Javan	Enhanced remyelination following lysolecithin-induced demyelination in mice under treatment with fingolimod (FTY720)	Neuroscience (2015)	10.1016/j.neuroscience.2015.10.013	2015	https://pubpeer.com/publications/22FFDD800B458FAB8E1C28542EDF4C
27	Maryam Ghasemi-Kasman, Maryam Hajikaram, Hossein Baharvand, Mohammad Javan	MicroRNA-Mediated In Vitro and In Vivo	PLoS ONE 10(6): e0127878	10.1371/journal.pone.0127878	2015	https://pubpeer.com/publications/C5AC099BA519667A796C30A1905F20
28	Arash Pourgholaminejad, Nasser Aghdami, Hossein Baharvand & Seyed Mohammad Moazzeni	Is TGF β as an anti-inflammatory cytokine required for differentiation of inflammatory TH17 cells?	Journal of Immunotoxicology, 13:6, 775-783	10.1080/1547691X.2016.1193574	2016	https://pubpeer.com/publications/1CDA7852E96CE10B331E0368A957C2
29	Zaniar Ghazizadeh, Hassan Rassouli, Hananeh Fonoudi, Mehdi Alkhani, Mahmood Talkhabi, Amir Darbandi-Azar, Shuiheng Chen, Hossein Baharvand, Nasser Aghdami, Ghasem Hosseini Salekdeh	Transient Activation of Reprogramming Transcription Factors Using Protein Transduction Facilitates Conversion of Human Fibroblasts Toward Cardiomyocyte-Like Cells	Mol Biotechnol. 2017 Jun;59(6):207-220	10.1007/s12033-017-0007-x	2017	https://pubpeer.com/publications/9281A3869C624EB8266C7FC93366B3
30	Anna Meyfour, Hassan Ansari, Sara Pahlavan, Shahab Mirshahvaladi, Mostafa Rezaei-Tavirani, Hamid Gourabi, Hossein Baharvand, Ghasem Hosseini Salekdeh	Y Chromosome Missing Protein, TBL1Y, May Play an Important Role in Cardiac Differentiation	J. Proteome Res. 2017, 16, 4391-4402	10.1021/acs.jproteome.7b00391	2017	https://pubpeer.com/publications/550A3756C50B30DF0A3FB7F1A8B2D2
31	Zaniar Ghazizadeh, Faranak Fattahi, Mehdi Mirzaei, Delger Bayarsaikhan, Jaesuk Lee, Sehyun Chae, Daehye Hwang, Kyunghee Byun, Mehdi Sharifi Tabar, Sara Taleahmad, Shahab Mirshahvaladi, Parisa Shabani, Hananeh Fonoudi, Paul A. Haynes, Hossein Baharvand, Nasser Aghdami, Todd Evans, Bonghee Lee, Ghasem Hosseini Salekdeh	Prospective Isolation of ISL1+ Cardiac Progenitors from Human ESCs for Myocardial Infarction Therapy	Stem Cell Reports j Vol. 10 j 848–859 j March 13, 2018	10.1016/j.stemcr.2018.01.037	2018	https://pubpeer.com/publications/171655C2DE811FC2E068DE93BE7B30
32	Zahra Azhdar Tafri, Mehdi Mahmoodi, Mohamas Reza Hajizadeh, Vahid Ezzatizadeh, Hossein Baharvand, Massoud Vosough, Abbas Piraye	Conditioned Media Derived from Human Adipose Tissue Mesenchymal Stromal Cells Improves Primary Hepatocyte Maintenance	Cell Journal(Yakhteh), Vol 20, No 3, Oct-Dec (Autumn) 2018, Pages: 377-387	10.22074/cellj.2018.5288	2018	https://pubpeer.com/publications/B1E0B8748065D8B4D38A754286DB5D
33	Ahmad Oryan, Mohamadreza Baghaban Eslaminejad, Amir Kamali, Samaneh Hosseini, Ali Moshiri, Hossein Baharvand	Mesenchymal stem cells seeded onto tissue-engineered osteoinductive scaffolds enhance the healing process of critical-sized radial bone defects in rat	Cell and Tissue Research (2018)	10.1007/s00441-018-2837-7	2018	https://pubpeer.com/publications/DCE69E3035F6BD9C0B5A906ECB7979
34	Ahmad Oryan, Mohamadreza Baghaban Eslaminejad, Amir Kamali, Samaneh Hosseini, Forough Azam Sayahpour, Hossein Baharvand	Synergistic effect of strontium, biactive glass and nano-hydroxyapatite promotes bone regeneration of critical-sized radial bone defects	J Biomed Mater Res Part B 2018	10.1002/jbm.b.34094	2018	https://pubpeer.com/publications/2A117AFD6836B5B561D6450B948BC1
35	Parisa Ghiasi, Saman Hosseinkhani, Hassan Ansari, Nasser Aghdami, Saeed Balalaee, Sara Pahlavan, Hossein Baharvand	Reversible permeabilization of the mitochondrial membrane promotes human cardiomyocyte differentiation from embryonic stem cells	J Cell Physiol. 2018;1–16.	10.1002/jcp.26758	2018	https://pubpeer.com/publications/3BA5122009D92F332AFF4FDF0DA5BF
36	Zhila Izadi, Ensiyeh Hajizadeh-Saffar, Jamshid Hadjati, Mahdi Habibi-Anbouhi, Mohammad Hossein Ghanian, Hamid Sadeghi-Abandansari, Mohammad Kazemi Ashtiani, Zekieh Samsonchi, Mohammad Raoufi, Maedeh Moazzenchi, Mahmoud Izadi, Anava Sadat Sadr Hashemi Nejad, Haideh Namdar, Yaser Tahamtani, Seyed Nasser Ostad, Hamid Akbari-Javar, Hossein Baharvand	Tolerance induction by surface immobilization of Jagged-1 for immunoprotection of pancreatic islets	Biomaterials Volume 182, November 2018, Pages 191-201	10.1016/j.biomaterials.2018.08.017	2018	https://pubpeer.com/publications/42F1A4F1F0566DDCD0D37A4F447DE2
37	Samira Gholami, Mohammad-Masoud Mohebi, Ensiyeh Hajizadeh-Saffar, Mohammad-Hossein Ghanian, Ibrahim Zarkesh, Hossein Baharvand	Fabrication of microporous inorganic microneedles by centrifugal casting method for transdermal extraction and delivery	International Journal of Pharmaceutics (2019)	10.1016/j.ijpharm.2018.12.089	2019	https://pubpeer.com/publications/3B944FD1EBC6F97CBB78F1EBE3149E
38	Tohid Rezaei Topraghaleh, Mojtaba Rezazadeh Valojerdi, Leila Montazeri, Hossein Baharvand	A testis-derived macroporous 3D scaffold as a platform for the generation of mouse testicular organoids	Biomater. Sci., 2019	10.1039/C8BM01001C	2019	https://pubpeer.com/publications/1341A82CDCD2704E31E204E1CEEEBF
39	Masoumeh Zarei-Kheirabadi, Mehdi Hesaraki, Amir Shojaei, Sahar Kiani, Hossein Baharvand	Generation of neural stem cells from adult astrocytes by using a single reprogramming factor	J Cell Physiol. 2019;1–10.	10.1002/jcp.28510	2019	https://pubpeer.com/publications/514171A2A2EA2D3E73401342D1B98E#1

Count	Authors	Title	Citation	DOI or PMID	Year	PubPeer post
40	Amir Kamali, Ahmad Oryan, Samaneh Hosseini, Mohammad Hossein Ghanian, Maryam Alizadeh, Mohamadreza Baghaban Eslaminejad, Hossein Baharvand	Cannabidiol-loaded microspheres incorporated into osteoconductive T scaffold enhance mesenchymal stem cell recruitment and regeneration of critical-sized bone defects	Materials Science & Engineering C 101 (2019) 64–75	10.1016/j.msec.2019.03.070	2019	https://pubpeer.com/publications/324402DAC62D46B5398CD2CD34ECAA#2
41	Ehsan Ehsani, Soroosh Shekarchian, Hossein Baharvand, Nasser Aghdam, Reza Moghadasali	Improved differentiation of human enriched CD133+CD24+ renal progenitor cells derived from embryonic stem cell with embryonic mouse kidney-derived mesenchymal stem cells co-culture	Differentiation 109 (2019) 1–8	10.1016/j.diff.2019.07.001	2019	https://pubpeer.com/publications/6FC2ED1683AB4176E568BAD0CA3033
42	Amin Ahmadi, Reza Moghadasali, Vahid Ezzatizadeh, Zeinab Taghizadeh, Seyed Mahdi Nassiri, Mohammad Hassan Asghari-Vosnikolaei, Mehdi Alikhani, Fatemeh Hadi, Reza Rahbargazi, Reza Salman Yazdi, Hossein Baharvand, Nasser Aghdam	Transplantation of Mouse Induced Pluripotent Stem Cell-Derived Podocytes in a Mouse Model of Membranous Nephropathy Attenuates Proteinuria	Scientific Reports (2019) 9:15467	10.1038/s41598-019-51770-0	2019	https://pubpeer.com/publications/5AEDA23550E842261B8615F384E6DD
43	Mohammad Reza Mokhber Dezfooli, Sirous Sadeghian Chaleshtori, Azadeh Moradmand, Mohsen Basiri, Hossein Baharvand, Yaser Tahamtani	Hydrocortisone Promotes Differentiation of Mouse Embryonic Stem Cell-Derived Definitive Endoderm toward Lung Alveolar Epithelial Cells	Cell Journal(Yakhteh), Vol 20, No 4, Jan-Mar (Winter) 2019	10.22074/cellj.2019.5521	2019	https://pubpeer.com/publications/93D8BC1E37D79DD33C4D83D7C2F559
44	Saman Firooz, Sara Pahlavan, Mohammad-Hossein Ghanian, Shahrarn Rabbani, Shima Tavakol, Maryam Barekat, Saeed Yakhkeshi, Elena Mahmoudi, Mansoureh Soleimani, Hossein Baharvand	A Cell-Free SDKP-Conjugated Self-Assembling Peptide Hydrogel Sufficient for Improvement of Myocardial Infarction	Biomolecules 2020, 10, 205	10.3390/biom10020205	2020	https://pubpeer.com/publications/0D72D59D97CF07A48D77CA7B061F4B
45	Saman Firooz, Sara Pahlavan, Mohammad-Hossein Ghanian, Shahrarn Rabbani, Maryam Barekat, Abdoreza Nazari, Mohammad Pakzad, Faezeh Shekari, Seyedeh-Nafiseh Hassani, Fariba Moslem, Fatemeh Nobakht Lahrood, Mansoureh Soleimani, Hossein Baharvand	Mesenchymal stem cell-derived extracellular vesicles alone in conjunction with a SDKP-conjugated self-assembling peptide improve a rat model of myocardial infarction	Biochemical and Biophysical Research Communications	10.1016/j.bbrc.2020.02.009	2020	https://pubpeer.com/publications/822065A8562E1384AE25D3D855644F
46	Padideh Karimi, Ali Gheisari, Sylvia J Gasparini, Hossein Baharvand, Faezeh Shekari, Leila Satarian, Marius Ader	Crocetin Prevents RPE Cells from Oxidative Stress through Protection of Cellular Metabolic Function and Activation of ERK1/2	Int. J. Mol. Sci. 2020, 21, 2949	10.3390/ijms21082949	2020	https://pubpeer.com/publications/BFF35F7692B70A95A2F36E749B5F89