

Brief biography of Hossein Baharvand (last update: March 2017).

Hossein Baharvand is a distinguished Professor, founder and director of Royan Institute for Stem Cell Biology and Technology, where he firstly joined in 1995. He received his B.Sc. in Biology from Shiraz University in 1994, and M.Sc. in Developmental Biology from Shahid Beheshti University, Tehran in 1996. He received his Ph.D. in Cell and Developmental Biology from Khwarizmi University (formerly Tarbiat Moallem University) in 2004. In 2012, he became Professor at Royan institute. He is also appointed as the head of department of Developmental Biology at University of Science and Culture (2006-now). For the first time, he generated the mouse and human embryonic stem cells (2003) and induced pluripotent stem cells (2008) in Iran. This has enabled his team to pursue many avenues of research into translational research and regenerative medicine. He has focused his research interests on improving the translational research and regenerative medicine mainly through the understanding of Stem Cells and Developmental Biology and Biologically inspired Engineering. He has been working on transdifferentiation and pluripotent stem cell differentiation into cardiomyocytes, neural cells, hepatocytes and beta cells. He has also been studying the pluripotency mechanism; and germ cell biology. In addition, he has been investigating the biologically inspiring engineering on stem cells and developmental biology. He has also been making numerous contributions to clinical trials and tissue-specific stem cell transplantation; as well as developing cell manufacturing. He has given numerous tutorials and invited talks in many congresses. He is the editor of four international books which were published by Springer (2010 and 2012) and John Wiley, USA (2015). He has published 322 international and 102 national peer-reviewed papers, as well as seven chapters in international books, seven books in Persian, and eight translated English text books into Persian. Eight figures of his peer-reviewed publications were selected as cover pages of international journals. As of March 2018, Google Scholar reports over 8000 citations and h-index 45 to his work. He is currently the editorial board member of eight international journals (e.g., Journal of Biological Chemistry and Scientific Reports from Nature Publishing Group). He holds two USA patents on the basis of his research. He has received 29 international and national awards including 10th (2004), 12th (2006), and 17th (2012) annual Razi research award on medical science hosted by Iran Ministry of Health and Medical Education, 1st Khwarizmi International Award (2013), hosted by Iran Ministry of Science, Research and Technology, 27th annual book of the year of the Islamic republic of Iran (2010), Academy of Medical Sciences of Iran (Dr. Hadavi's Award in 2010, 2014), International Prof. Yalda Award for Excellence in Medical Sciences (2015), distinguished scientist in Iranian Biotechnology (2015) and Genetics (2016) national award. He is the winner of the Islamic Educational, Scientific, and Cultural Organization (ISESCO) Prize for research in the field of Biology (2010). Moreover, he was introduced as Prominent Professor in 3rd term of Allameh Tabatabaei's Award hosted by Iran vice Presidency for Science and Technology, Presidency and National Elite Foundation (2014). He is the winner of the United Nations Educational, Scientific and Cultural Organization (UNESCO)-Equatorial Guinea international prize (2014) for research in life sciences aimed at improving the quality of human life with his stem cell research and its numerous applications in regenerative medicine. He was also selected as 20 stem cell person of the year 2017 award nominees hosted by THE NICHE site.

Curriculum Vitae of Hossein Baharvand

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Personal information:

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➤ *Personal Information:*

Surname: **BAHARVAND**

First name: **HOSSEIN**

Gender: **Male**

Marital Status: **Married**

Nationality: **Iranian**

Date of birth: **25.02.1972**

Place of birth: **Esfahan**



Employment:

- Director of Royan institute for stem cell biology and technology (Jan 2010-now)
- Professor of Stem Cell and Developmental Biology (March, 2012)
- Academic member of Royan Institute, (1996-now).
- Head of Department of Stem Cells, Royan Institute, 2003-2010
- Head of Department of Developmental Biology, University of Science and culture, 2007-Jan 2018

➤ *Educational background:*

Degree	Major	Ranking	University	Date	Average
B.Sc	Biology	738 out of about 500,000	Shiraz Uni. , Shiraz, Iran	1990-94	17.45 from 20
M.Sc	Developmental Biology	1 out of about 200	Shahid Beheshti Uni., Tehran, Iran	1994-96	18.56 from 20
Ph.D	Cell and Developmental Biology	1 out of about 50	Khwarizmi University (formerly Tarbiat Moallem University), Tehran, Iran	2001-04	19.3 from 20

➤ *Interests:*

- ۱) Embryonic Stem Cells
- ۲) Cellular and molecular aspects of differentiation of stem cells
- ۳) Production of Knockout and transgenic Mice
- ۴) Transplantation and cell therapy of stem cells
- ۵) Cellular and molecular aspects of gametes and embryo development

➤ ***Hobbies:***

- ١) Karate (with Black belt grade) Dan 1.
- ٢) Mountaineering
- ٣) Historical stories

➤ ***Trainings:***

- ١) Production of transgenic and knockout mice at the laboratory of gene targeting in department of molecular bioscience in John Curtin School of Medical Research, Canberra, Australia, 1 Feb., 2002- 25 June 2002. Head of Lab: Dr Klaus Ingo Matthaei.
- ٢) International stem cell workshop in National Center for Excellence in Molecular Biology (CEMB), Punjab University, Lahore, Pakistan, 1-12 Dec. 2003.

➤ ***Research Experiences:***

- ١) Mouse and Human Preimplantation Embryology
- ٢) Human and Mouse Embryonic and induced pluripotent Stem Cells: Establishment, Maintenance, and Differentiation (hepatocytes, insulin-secreting cells, cardiomyocytes, neural cells, and germ cells)

➤ ***Membership of Society:***

- ١) The membership of international society for stem cell research (ISSCR). WWW.ISSCR.Org (2006-now)
- ٢) Member of International committee of ISSCR (International society for stem cell research) (2008-2009)
- ٣) Member of German Stem Cell Network (2013-2014)

➤ **Teaching experiences:**

Course	Location (University)	Level	Date	No. presentation
Laboratory of Cell Biology	Shiraz Uni. (Shiraz, Iran)	B.Sc. of Biology	1993-1994	4
Laboratory of Animal Embryology	Shiraz Uni. (Shiraz, Iran)	B.Sc. of Biology	1993-1994	4
Animal Embryology	Azad Uni. (Boroojerd, Iran)	B.Sc. of Biology	1996-1997	2
Laboratory of Animal Embryology	Azad Uni. (Boroojerd, Iran)	B.Sc. of Biology	1996-1997	10
Molecular Biology	Azad Uni. (Boroojerd, Iran)	B.Sc. of Biology	1997	1
Human Embryology	Azad Uni. (Boroojerd, Iran)	B.Sc. of Midwifery	1997	1
Human Embryology	Shahid Beheshti Medical of Sciences Uni. (Tehran, Iran)	B.Sc. of Midwifery	1998-2002	3
Advance topics in Embryology	Tarbiat Modarres Uni. Med. Sci.	PhD of Physiology	2006-2007	2
Developmental biology	University of Scince & Culture	MSc of Developmental Biology	2006-now	6
Comparative Embryology	University of Scince & Culture	MSc of Developmental Biology	2006-2012	6
Reproduction and sex determination	University of Scince & Culture	MSc of Developmental Biology	2006-2011	6
Stem Cell Biology	Tarbiat Modarres Uni. Med. Sci.	PhD of Anatomical Sciences and Physiology	2007-2008	2
Developmental biology	University of Scince & Culture	PhD of Developmental Biology	2008-now	6
Animal Histogenesis and regeneration	University of Scince & Culture	PhD of Developmental Biology	2008-2012	4
Animal Metamorphosis Mechanisms	University of Scince & Culture	PhD of Developmental Biology	2008-2012	4

➤ Awards:

١. He was also selected as **20 stem cell person of the year 2017 award nominees** based on the niche site. <https://ipsccell.com/2017/11/20-stem-cell-person-of-the-year-2017-award-nominees/>

٢. The winner of **Iranian Genetics National Award** for distinguished investigator in Stem cells, May, 2016.

٣. The winner of **International Prof. Yalda Award for Excellence in Medical Sciences**, November 2015, Tehran.

٤. The winner of **distinguished Iranain scientist in Biotechnology** as selected by Iranian Biotechnology Society (May 2015), Tehran.

٥. The winner of **the United Nations Educational, Scientific and Cultural Organization (UNESCO)-Equatorial Guinea international prize** for research in life sciences due to improving the quality of human life due to improving the quality of human life with his stem cell research, to numerous applications in regenerative medicine (Sep 2014). The award promoted by the Head of State, H.E. Obiang Nguema Mbasogo (Equatorial Guinea), that each year serves to recognize and support the work of scientists and researchers that fight to improve the development and the conditions of human life. The statement from the UNESCO recalls that the objective of these prizes is to *"mobilize science knowledge and policy for sustainable development and fostering capacity-building in science and innovation, the purpose of this Prize is to reward projects and activities of individuals, institutions, other entities or non-governmental organizations for scientific research in the life sciences with a view to improving the quality of human life."*

٦. The winner of the annual **Razi research award on medical science** which hosted by Iran Ministry of Health and Medical Education, ٢٦th Khwarizmi International Award (٢٠١٣), hosted by Iran Ministry of Science, Research and Technology, 27th annual book of the year of the Islamic republic of Iran (2010), Academy of Medical Sciences of Iran (Dr. Hadavi's Award in 2010, 2014). He is the winner of the Islamic Educational, Scientific, and Cultural Organization (ISESCO) Prize for research in the field of Biology (2010).

٧. Selected as Prominant Professor in the 3rd term of **Allameh Tabatabaei's Award**, hosted by Iran vice Presidency for Science and Technology, Presidency and National Elite Foundation (2014).

٨. The winner as **first rank in 'clinical and non-surgical group' and receiving Dr. Hadavi's Award from Academy of Medical Sciences**. The title of paper was: "Generation of liver disease-specific induced pluripotent stem cells along with efficient differentiation to functional hepatocyte-like cells". By Ghodsizadeh A, Taei A, Totonchi M, Seifinejad A, Gourabi H, Pournasr B, Aghdami N, Malekzadeh R, Almadani N, Salekdeh GH, Baharvand H. in "Stem Cell Rev. 2010;6(4):622-32".

۹. Selection of one of top ten scientists of Iran in Medicine in 2014 by **Academy of Medical Sciences** that has most citations and publications in last 10 years.

۱۰. The award is named after Dr. *Nour Ad-din Hadavi*, the former Professor of Medicine at University of Tehran. The Academy evaluated published medical papers by Iranian researchers (as corresponding or first author) on clinical and basic sciences. The articles were screened based on their citations and journal impact factors and also their relevance to national and international problems by a team of expert internal and external reviewers.

۱۱. The Winner of **2nd National award of quality activities** (March, 2013). 1st rank. <http://www.iranfqm.com/>

۱۲. The Winner of **26th Khwarizmi International Award (KIA)** hosted by Iran Ministry of Science, Research and Technology, (Feb, 2013). 3rd rank in basic science with title: **Production of Neural Lineage Cells for Translational Research: From Pluripotent Stem Cells to Transplantation in Animal Models.**

۱۳. The Winner of **17th annual Razi research festival on medical sciences** hosted by Iran Ministry of Health and Medical Education (Jan, ۲۰۱۲). ۱st rank in New Technologies in Medical Science.

۱۴. The gold medal of **The Islamic Educational, Scientific, and Cultural Organization “ISESCO Science and Technology Prize, 2010”** in the field of **Biology**, at fifth Islamic Conference of Ministers of Higher Education and Scientific Research, 19-21st October, 2010, Kuala Lumpur, Malaysia. WWW.ISESCO.org.ma

۱۵. The winner of **Dr. Hadavi’s Award, February 2010 as young Scientist from Academy of Medical Sciences** for “Proteomic signature of human embryonic stem cells” by Baharvand H, Hajheidari M, Ashtiani SK, Salekdeh GH which published in “Proteomics. 2006;6(12):3544-9”. In order to promote medical research in Iran, the “**Academy of Medical Sciences**” annually chooses the top published Iranian medical research articles to receive “*Dr. Hadavi's Award*”. The award is named after Dr. *Nour Ad-din Hadavi*, the former Professor of Medicine at University of Tehran. The Academy evaluated published medical papers by Iranian researchers (as corresponding or first author) on clinical and basic sciences. The articles were screened based on their citations and journal impact factors and also their relevance to national and international problems by a team of expert internal and external reviewers.

۱۶. The winner of the **27th annual book of the year of the Islamic republic of Iran** (In Medicine part), by the book of Stem Cell Series: (a) Embryonic Stem Cells, (b) Adult Stem Cells, (c) Stem Cells: Differentiation and Applications (d) Tissue engineering and methods in Stem Cell research. (February, 2010).

۱۷. The winner of **16th university student’s year book award** in part of translation (Dec. 2009). Book title was: Gilbert S, Translated by: Abbas Piryaee, Faezeh Faghihi, Fatemeh Siadat, Bahram Mirhabibi, Farzaneh Najafi, Elaheh Afzal, Reza Moghadasali, Fereshteh Karamali, under supervision of *Hossein Baharvand*, House of Biology (Tabesh-e Andisheh) Press, 2008.

۱۸. Winner of **international society for stem cell research (ISSCR)** travel award in 5th annual meeting, Cairns, Queensland, Australia, 2007.
۱۹. The Winner of **12th annual Razi research festival on medical sciences** which hosted by Iran Ministry of Health and Medical Education (Dec, ۲۰۰۶) for Stem Cell research.
۲۰. Winner of annual best researches of **University of Science and Culture** (Dec, 2006).
۲۱. Winner of **international society for stem cell research (ISSCR)** travel award in 4th annual meeting, Canada, Ontario, 2006.
۲۲. Selected as Best National Specialist in **8th Shaheed Rajaei Award** (Sept. 2005, Tehran Iran)
۲۳. The first winner of award of the **national best researchers** (introduced by Iranian Academic Center for Education, Culture and Research (Jehad Daneshgahi of Iran) (Dec. 2004).
۲۴. The Winner of young scientists of **10th annual Razi research festival on medical sciences** hosted by Iran Ministry of Health and Medical Education in part of basic sciences (Dec, ۲۰۰۴). The topic was: *Establishment and in Vitro differentiation of a new Embryonic stem cell line from Human Blastocyst*.
۲۵. The winner of 5th annual Royan research award (scientific congress of reproductive biomedicine) for best oral presentation (Tehran, 1-3 Sep, 2004). Title of paper was: Baharvand H, *Embryonic stem cells: Characteristics, Differentiation and perspectives*
۲۶. The winner of 10th university student's year book award in part of translation (Dec. 2003). Book title was: Alberts B, Bray D, Johnson A, Lewis J, Raff M, Roberts K, Walter P; *Essential Cell Biology (An Introduction in the Molecular Biology of the Cell)*, Translated by: Baharvand H, Sheikhian A, Mirhabibi B, Pooyan M, Afsharian P, Farzaneh P; House of Biology (Tabesh-e Andisheh) Press, 2003.
۲۷. The winner of annual **Middle East Fertility Society Meeting** for best paper (Beirut, 13 Dec, 2003). Title of paper was: Baharvand H, Matthaehi K: Establishment of new embryonic stem cell lines from Balb/c and C57BL/6 mouse strains.
۲۸. The first winner of award of the national best researchers (introduced by Iranian Academic Center for education, Culture and Research (Jehad Daneshgahi of Iran)) (Dec. 2003).
۲۹. The Iranian winner of the 2nd Royan International Research Award (Infertility and Reproductive Health, 12-13 Sept. 2001). My project entitled: Improvement of blastocyst development in vitro and overcoming the blastocyst collapse and its effective factor(s) in sequential culture media.
۳۰. The winner of the prize of annual award of the best researchers of Iranian Academic Center for education, Culture and Research (Jehad Daneshgahi of Iran) (2000).

➤ **Editorial Board member**

۱. **Stem Cells and Development** (2010-now), USA
۲. **Journal of Biological Chemistry** (2015-2020), USA
۳. **Scientific Reports (Nature Publishing Group)** (2015-now), UK
۴. **Current Stem Cell, Research, and Therapy.** (2006-Now), USA
۵. **World Journal of Stem Cells.** (2012-now), USA
۶. **Yakhteh Medical Journal / Cell Journal** (2007-now), IRAN
۷. **International Journal of Biomedical Science (IJBS)** (2006-now), USA
۸. **International journal of Organ Transplantation Medicine** (2010-now), IRAN
۹. **Regenerative Medicine.** (2006-2010), UK
۱۰. **Stem Cell Reviews and Reports.** (2009-2013), USA
۱۱. **Journal of Iranian Biotechnology** (2008-2010), IRAN

➤ **Executive Activities:**

۱. Director of Royan institute for stem cell biology and technology (Jan 2013-now)
۲. Scientific secretary of 1st Royan Stem Cell Nano Engineering meeting and Electrospinning Workshop, October 27-28, 2012.
۳. Member of Evaluation and planning committee of Applied Cell Sciences of Ministry of health of Iran (Aug 2012-present).
۴. Scientific program committee member of 24th International Congress of the Transplantation Society, 15-19 July, 2012, Berlin, Germany.
۵. Co-Chair of 3rd Royan International Summer School on Stem Cells and Developmental Biology. 14-19 July, 2012
۶. Chair of 3rd Royan Precongress on Stem Cell Biology and Technology (Sep, 2011)
۷. Co-Chair of 2nd Royan International Summer School on Stem Cells and Developmental Biology. 17-22 July, 2011
۸. Chair of 2nd Royan Precongress on Stem Cell Biology and Technology (Sep, 2010)
۹. Chair of 1st Royan International Summer School on Stem Cells and Developmental Biology. 12-15 July, 2010.
۱۰. Member of International committee of ISSCR (International society for stem cell research) (2008-2009)
۱۱. Chair of 1st Royan Precongress on Stem Cell Biology and Technology (Sep 2009)
۱۲. Head of Department of Stem Cells and Developmental Biology (Jan, 2004-now).
۱۳. Scientific Advisor of Iranian Biological Resource Center (Nov. 2008-2010).
۱۴. Scientific committee member of 9th Congress of Iranian Anatomical Sciences, (May 24-28, 2010)
۱۵. The head of department of Developmental Biology of the University of Science and Culture. (2006-now)
۱۶. Chairman of 8th Royan International Congress, September 5-7, 2007, Tehran, Iran.
۱۷. The honoree member of scientific board committee of Anatomical Sciences department in Faculty of Medicine, Tarbiat Modarres University, Tehran, Iran (2006-2008)

۱۸. The member of Laboratory Interest Group (LIG) Advisory Committee in Middle East Fertility Society (MEFS) (2005-2007)
۱۹. The member of referee committee of 13th Razi Award (2007)
۲۰. The member of scientific committee of 14th Iran infertility congress, February 20-22, 2008. And 15th Iranian Infertility Congress 18-20 February 2009
۲۱. The member of the jury board of the annual award of Kharazmi for the students (Ministry of Education) (1997-2004).
۲۲. The member of scientific committee and the Jury of 7th Iranian Congress of Anatomical Sciences, 10-12 May 2006, Kashan, Iran.
۲۳. The member of scientific committee of 1st Yazd International Student Award in Reproductive Medicine, December 2005, Yazd, Iran.
۲۴. The member of scientific committee of Royan International Award and Royan International Twin Congress (Stem Cells and Reproductive Biology), 2005-now, Tehran, Iran.
۲۵. Director of Research laboratories of Royan Institute (1997-2004).
۲۶. Establishment of Department of Stem Cells in Royan Institute, 2003.
۲۷. Establishment of Stem Cells Laboratories in Royan Institute, Tehran Iran, 2002

➤ **Social Activities:**

1. Involvement in establishment of Charity Association for Health Research and be a member of board of directors
2. Collective recreation such mountain climbing and sports
3. Teaching of Stem Cells and Regenerative Medicine to general population.

He established a program entitled “stem cells for all” including hands-on workshops and international summer school to provide quality basic education for primary, secondary, tertiary-level as well as public people and charities. The aim of these participatory teaching and learning methods is to motivate and empower learners to acquire the knowledge, skills, attitudes and values necessary to shape a sustainable future for stem cells and their potentials in regenerative medicine.

➤ **Products:**

1. Co-supervisor in generation of following recombinant proteins:

- Human basic fibroblast growth factor (bFGF)
- Human Epidermal growth factor (EGF)
- Human Keratinocyte growth factor (KGF)
- Human Insulin-like growth factor-1 (IGF1)
- Human Glial-derived neurotrophic factor (GDNF)
- Human Fibroblast growth factor-4 (FGF4)
- Human Vessel endothelial growth factor (VEGF)
- Human Platelet-derived growth factor (PDGF)
- Human Brain-derived neurotrophic factor (BDNF)
- Human leukemia inhibitory factor (LIF)
- Mouse leukemia inhibitory factor (LIF)
- Human Stem Cell Factor (SCF)
- Human Oncostatin M (OSM)
- Human Fibroblast Growth Factor 4 (FGF4)
- Human Sonic hedgehog (Shh)
- Human Neurotrophin-3 (NT-3)
- Human Interleukin 2 (IL-2)
- Human Interleukin 3 (IL-3)
- Human Interleukin (IL-6)

2. **Patents:**

- Development of a simple, robust, repeatable and cost-effective extracellular matrix for long-term Xeno-free and feeder-free self-renewal of human pluripotent stem cells.
(Application Number: 14/462,598)
- Royan 2 inhibitors R2i: A new path to attain mouse pluripotent stem cell lines.
(Application Number: 14452598)

➤ Workshop Presentation:

۱. Chairman of 4th human Pluripotent Stem Cells Workshop, May 10-11, 2012, Tehran, Iran
۲. Chairman of Real time-RT-PCR Workshop, January 27-29, 2012
۳. Chairman of 8th Royan Workshop on Mouse Embryonic Stem Cells, November 2, 2011, Tehran, Iran
۴. Chairman of 3rd human Pluripotent Stem Cells Workshop, March 8-9, 2011, Tehran, Iran
۵. Chairman of 7th Mouse Embryonic Stem Cells workshop, Nov. 10, 2011, Tehran, Iran
۶. Chairman of 6th Mouse Embryonic Stem Cells workshop, 27 Oct, 2011, Tehran, Iran
۷. Chairman of 3rd Royan Workshop on: human embryonic Stem Cell, 11-13 March. 2011, Tehran, Iran
۸. Chairman of 5th Mouse Embryonic Stem Cells workshop, 19-20, Nov, 2009, Tehran, Iran
۹. Chairman of 1st Real time-RT-PCR workshop, 15-17, Dec, 2009, Tehran, Iran
۱۰. Chairman of 2nd Royan International Workshop on: human embryonic Stem Cell, 1-3 Sep. 2007, Tehran, Iran
۱۱. Chairman of 1st Royan International Workshop on: Human Embryonic Stem Cell, 4-6 Dec. 2006, Tehran, Iran
۱۲. Chairman of 4th Mouse Embryonic Stem Cells workshop in the 7th annual Royan research award (Royan International Twin Congress: 7th congress of Reproductive Biomedicine and 2nd Congress on Stem Cell Biology and Technology), 13-15 Sept. 2006, Tehran, Iran
۱۳. Chairman of 1st Royan Workshop on: Limbal Stem Cell Culture *in vitro*, March 11-12, 2006, Dept. of Stem Cells, Royan Institute, Tehran, Iran.
۱۴. Chairman of embryonic stem cell workshop in the 6th annual Royan research award (scientific congress of reproductive biomedicine and Stem Cells), 5-6 Sept. 2005, Tehran, Iran.
۱۵. Chairman of embryonic stem cell workshop in the 5th annual Royan research award (scientific congress of reproductive biomedicine), 30-31 Aug. 2004, Tehran, Iran.
۱۶. Chairman of embryonic stem cell workshop in the 1st National meeting on stem cells and gene therapy, 9th May, 2004, Istanbul, Turkey.
۱۷. Co-chair of international stem cell workshop in National Center for Excellence in Molecular Biology (CEMB), Punjab University, Lahore, Pakistan, 1-12 Dec. 2003.

١٨. Co-Chair of embryonic stem cell workshop in the 4th Royan international research award's scientific congress, 13-14 Sept. 2003, Tehran, Iran.

➤ **Keynote speaker or oral presentation in national or international meetings:**

No	TITLE	LOCATION	DATE
١.	Efficient Oogonial Stem Cell Isolation from Mouse and Human Ovaries: An Organoid-based Approach	13 th International Royan congress on Stem Cell Biology and Technology, Tehran, Iran	30 August to 1 September 2017
٢.	Constructing Neural Stem cells	International Brain Research Organization (IBRO) Associate School of Neuroscience to be held in Kerman University of Medical Sciences	27 August to 1 September 2017
٣.	Generation and Tissue Engineering of Human Stem Cell-Derived Cardiomyocytes	2 nd Stem cells and regenerative medicine international congress Tehran, Iran	13-15 July
٤.	Stem cells and Regenerative Medicine: our experiences and future directions	2 nd Stem cells and regenerative medicine congress Mashhad, Iran	19-21 April, 2017
٥.	Tissues are 3D: Integrated Scalable Differentiation in Spheroid-based 3D Cultures	3 rd Iranian Tissue engineering and Regenerative Medicine, Tehran, Iran	18-20 Oct, 2016
٦.	Scalable Production of Hepatocyte-Like Cells by Microparticle-Mediated Delivery of Growth Factors within Human Pluripotent Stem Cell Spheroids	Organoids: Modelling Organ Development and Disease in 3D Culture, EMBL, Heidelberg, Germany	12-15 Oct, 2016
٧.	A Scalable Engineering of Human Pluripotent Stem Cell Expansion and Differentiation for Clinical Application	Tissue Engineering and Regenerative Medicine- Asia Pasific, Taipei, Tiwan	2-5 Sep, 2016
٨.	Interconversion of Stem Cells and Germ Cells	12 th International Royan congress on Stem Cell Biology and Technology, Tehran, Iran	31Aug and 1-2 Sep 2016
٩.	Reprogramming of cell fate for brain development and regenerative medicine	2nd International & Fourteenth Iranian Genetics Congress, Tehran, Iran	May, 21-23, 2016
١٠.	Making Hepatocytes for Regenerative Medicine	The 1st National Festival and International congress of stem cell and Regenerative Medicine	May, 19-21, 2016
١١.	Towards A Neural Cell Fate by Programing and Reprograming	The 12 th congress of Iranian Anatomical Sciences, Tehran, Iran	May, 4-6, 2016
١٢.	Making Human Neural Stem Cells: Fundamentals and Therapeutic Implications	The 5th IBRO School, Tehran, Iran	April 30 - May 11, 2016
١٣.	Pluripotent Stem Cells: A	1 st National congress on Microfluidics and its	5-6, March, 2016

No	TITLE	LOCATION	DATE
	Powerful Toolkit towards Human-on-Chip	applications in Medicine and Engineering, Shahid Beheshti University, Tehran, Iran	
١٤.	Human Neural Stem Cells derived from Cellular Programming and Reprogramming: Fundamentals and Implications	Fourth International Basic and Clinical Neuroscience Congress, Razi Convention Center, Tehran, Iran	23-25, December, 2015
١٥.	Designing an Artificial Niche to Direct Stem-Cell Fate	2 nd Iranian Congress on Tissue engineering and Regenerative Medicine, Tehran, Iran	7-9, May 2015
١٦.	Stem cell technology: our experiences and future directions	International Congress on Blood; Diseases and Clinical Administrations, Yasuj, Iran	11-14, May 2015
١٧.	Stem Cell Therapy in CNS diseases	PhD course, MoMeD, Copenhagen, Denmark	4-8 May 2015
١٨.	How stem cells support cognitive sciences?	Sixth International Conference of Cognitive Science, Tehran, Iran	27-27 April, 2015
١٩.	Hope for a broken heart	TEDx, Tehran University of Medical Science, Tehran, Iran	Feb, 20, 2015
٢٠.	Stem Cells from Biology to Regenerative Medicine	Department of Physics, Institute for Research in Fundamental Sciences, Tehran, Iran	Jan, 14, 2015
٢١.	Biomedical engineering strategies to augment stem cell differentiation	Iranian Conference on Biomedical Engineering, Amir Kabir University of Technology, Tehran, Iran	November 26-28, 2014
٢٢.	A Robust Integrated Platform for Scalable Production of Human Hepatocyte-like Cells and Cardiomyocytes from Pluripotent Stem Cells in Stirred Suspension Bioreactor	National Research Council, Rome, Italy	November 7, 2014
٢٣.	Stem cells: Current and Future	Stem cell congress, Yazd, Iran	October 23, 2014
٢٤.	The Road to Regenerative Heart Therapies: Stem Cell Differentiation and Experimental Trials	3rd International Congress of Preventive Cardiology, Shiraz, Iran	October 3-5, 2014
٢٥.	Human Pluripotent Stem Cell-Derived Hepatocyte-Like Cells Ameliorate Disease in the Carbon Tetrachloride-Induced Mouse Liver Injury Model	5th Mercia Stem Cell Alliance, University of Liverpool, UK	19 th Sep. 2014
٢٦.	Cellular Programming and Reprogramming: Routes to Regenerative Neural Cell Therapy	10 th Stem Cells Biology and Technology meeting, Tehran	September 3-5, 2014
٢٧.	Cellular Reprogramming and Transdifferentiation: Routes to	First International and 3th Iranian Genetics Congress	May 24-26, 2014, Tehran

No	TITLE	LOCATION	DATE
	Regeneration		
۲۸.	Stem Cells as Regeneration Kits: So Close, Yet So Far Away	12th International Congress of Immunology and Allergy of Iran	29th April -2nd May 2014, Tehran
۲۹.	Translational Neurodevelopmental biology	3rd <i>International Student Biotechnology</i> Congress , Tehran	6-8 May 2013
۳۰.	Translational NeuroDevelopmental Biology: Differentiation and Transplantation of Neural Lineage Cells from Pluripotent Stem Cells	16 th Congress of Iranian society of Biology	Sep 2012, Kerman, Iran
۳۱.	Constructing Neural Lineage Cells from Pluripotent Stem Cells	Tehran IBRO School of Neuroscience	12-24, 2012 in Tehran
۳۲.	Pluripotent Stem Cells: Potentials and Perspective	15th Congress of Iranian Urological Association, Tehran	10th - 13th May, 2012
۳۳.	A chemical approach to efficient generating embryonic and germline-derived pluripotent stem cells	Doha, Qatar	Feb 27- March 1, 2012
۳۴.	Differentiation of human pluripotent stem cells into neural cells	1st Stem Cell symposium with international participation, Samsun, Turkey	20Sep-1Oct, 2010
۳۵.	Feeder-free establishment, expansion, and directed differentiaotion of human pluripotent stem cells	3 rd congress of Asia pacific Initiative on Reproduction, Thailand	8-11 April, 2010
۳۶.	Pluripotent stem cell research at Royan Institute,	5 th Int. Stem Cell Biology and Technology Congress, Royan Inst.	Sept 23-25, 2009
۳۷.	Behavior of Stem cells on Biomaterials	Cell Behavior on Tissue engineering scaffolds	March 2, 2009 Tehran, Iran Polimer and Petro chemistry Institute
۳۸.	Human Embryonic stem cell research at Royan institute	Riken CDB, Kobe, Japan	8. December, 2008
۳۹.	Differentiation of Embryonic Stem Cells and Their Potential Applications in Neural Disorders	The 15 th International Congress of Neurology and clinical Electrophysiology of Iran	27 - 30 May. 2008, Tehran, Iran
۴۰.	Embryonic Stem Cells: From Bench to Bedside	3 rd National Stem Cells and Gene Therapy congress	Turkey, 29-31 May, 2008.
۴۱.	Embryonic stem cells: differentiation and application	The 1 st International Congress on Health Genomics & Biotechnology	24-26 Nov. 2007, Tehran, Iran
۴۲.	Recent development and applications in stem cells	Frontiers in Molecular and Cellular Biology in Reproduction and Clinical Implications	22 October, - 3 November, 2007, Antalya, Turkey
۴۳.	Identification of mouse embryonic stem cell-associated	2 nd Yazd Int. Students award in Repr. Med.	May, 12, 2007 Yazd, Iran

No	TITLE	LOCATION	DATE
	proteins: a comparative proteomic approach.		
٤٤.	Introducing to stem cells	6 th IBRO-Associate School & 1 st Neuroscience Orientation Summer Program	Aug. 26 th – Sept. 21 st 2006
٤٥.	Establishment, maintenance, and application of human embryonic stem cells	7 th Iranian Congress of Anatomical Sciences	Iran, 10-12 May 2006
٤٦.	Derivation, differentiation and applications of embryonic stem cells	1 st Yazd Int. Students award in Repr. Med.	Iran, 28-29 Dec. 2005
٤٧.	Embryonic Stem Cells: establishment, differentiation and development	6 th Royan International Congress on Reproductive Biomedicine and Stem Cells	Iran, 7-9 Sept. 2005
٤٨.	Generation of New Human Embryonic Stem Cell Lines with Diploid and Triploid Karyotypes	International Symposium on Stem Cells	Mumbai, India, 18-21 Sept. 2005
٤٩.	Differentiation of embryonic stem cells into neurons and insulin-secreting cells	13 th world congress of IVF	Istanbul, Turkey, 26-30 May, 2005
٥٠.	Embryonic Stem Cells	10 th annual meeting of Iranian Society of Reproduction and Infertility	2004
٥١.	Embryonic stem cells: Characteristics, Differentiation and perspectives	5 th annual Royan research award (scientific congress of reproductive biomedicine)	Tehran, 1-3 Sep, 2004
٥٢.	Embryonic Stem Cells	10 th annual meeting of Iranian Society of Anatomical Sciences	2004, May 5-7
٥٣.	Differentiation of embryonic stem cells into neurons and insulin-secreting cells.	1 st national meeting on stem cells and gene therapy	7-8 May 2004, May, 2004, Istanbul, Turkey

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١. **Stem Cell Nanoengineering**

Editor: **Hossein Baharvand** and **Nasser Aghdami**

Publisher: John Wiley and Sons, USA, 2015.

٢. **Regenerative Medicine and cell therapy**

Editor: **Hossein Baharvand** and **Nasser Aghdami**

Publisher: Humana Press, Springer, USA, 2012.

٣. **Advances in Stem Cell Research**

Editor: **Hossein Baharvand** and **Nasser Aghdami**

Publisher: Humana Press, Springer, USA, 2012.

٤. **Trends in Stem Cell Biology and Technology**

Editor: **Hossein Baharvand**

Publisher: Humana Press, Springer, USA, 2009

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١. Shiva Nemati, Saeed Abbasalizadeh, Hossein Baharvand*. **Scalable Expansion of Human Pluripotent Stem Cell-derived Neural Progenitors in Stirred Suspension Bioreactor under Xeno-free Condition**. Springer book "Bioreactors for Stem Cells Biology: Methods and Protocols Book". 2016, 1502:143-58.
٢. Newsha Haghparast, Mohammad Pakzad, Parvaneh Farzaneh, Marzieh Ebrahimi, Vahid Hajihosseini, Mahdi Tondar, **Hossein Baharvand***. **Stem Cell Banking in Iran**. Springer book "Stem Cell Banking" of Stem Cell Biology and Regenerative Medicine series. By Editors: Ilic, Dusko (Ed.) 2014, 123-141.
٣. **Hossein Baharvand***, Seyedeh-Nafiseh Hassani. **A new chemical approach to efficient generating mouse embryonic stem cells**. Methods Mol Biol. Springer book "Pluripotent Stem Cells: Methods and Protocols". 2013, 997:13-22.
٤. **Hossein Baharvand***, Mehran Rezaei Larijani, Maryam Yousefi. **A Protocol for Expansion of Undifferentiated Human Embryonic and Pluripotent Stem Cells in Suspension**. Methods Mol Biol, 2012; 873:217-26.
٥. **Baharvand H***, Totonchi M, Taei A, Seifinejad A, Aghdami N, Salekdeh GH. **Human-induced pluripotent stem cells: derivation, propagation, and freezing in serum- and feeder layer-free culture conditions**. Methods Mol Biol. 2010;584:425-43.
٦. **Baharvand H***, Zare Mehrjardi N. **Nanotechnology Applications in Stem Cell Biology and Technology**. Reisner D. Bionanotechnology, CRC publisher (2008)
٧. **Baharvand H.** **Embryonic Stem Cells: Establishment, maintenance, and differentiation**, pp.1-63, In: Embryonic Stem Cell Research ISBN 1-59454-849-8 Editor: Eric V. Grier, , 2006

➤ Chapter Books in Persian

١. Freshteh Esfandiari, Seyedeh-Nafiseh Hassani, **Hossein Baharvand.** **Stem Cells and Reproductive Biology**. In Reproductive Biology. By M.H. Nasr-Esfahani and M Tavallaei, In Press.
٢. **Baharvand H.** **Embryonic stem cells: characteristics and potentials for treatment**. In: *Treatment of Genetic disease*. Published by: Tehran University of Medical Sciences. 2004, P: 249-280.

➤ **Published Full Books in Persian:**

١. **How to Write A Scientific Paper**

Editor: **Hossein Baharvand**

Publisher: House of Biology press, 2013.

٢. **Embryonic Stem Cells**

Editor: **Hossein Baharvand**

Publisher: House of Biology press, 2008.

٣. **Adult Stem Cells**

Editor: **Hossein Baharvand**

Publisher: House of Biology press, 2008

٤. **Stem Cells: Differentiation and Applications**

Editor: **Hossein Baharvand**

Publisher: House of Biology press, 2008

٥. **Tissue engineering and methods in Stem Cell research**

Editor: **Hossein Baharvand**

Publisher: House of Biology press, 2008

٦. Kazemi Ashtiani S, Farzaneh P, ***Baharvand H***, Javan M; **Biology**, (for students of high school), 1st ed. Tehran, Ministry of Education Press, 2000, Persian. 10th ed., 2011.

٧. ***Baharvand H; A Guidebook of Infertility Treatment for Infertile Couples***, 1st ed. Tehran, Tabib Press, 1999. 2nd ed. 2003.

➤ Published Translated Books to Persian:

١. **Developmental Biology** (Gilbert, 2010). Translated under supervision of: **Hossein Baharvand**, *Translated by:* Abbas Piryaee, Yasser Tahamtani. Publisher: House of Biology Press, 2013.
٢. **So you want to be a Scientist?** (Philip A. Schwartzkroin, Oxford University Press, USA; 1 edition, 2009). Translated under supervision of: **Hossein Baharvand**, *Translated by:* Newsha Haghpars, Publisher: House of Biology Press, 2013.
٣. **English Communication for Scientists** (Jean-luc Doumont, Cambridge, MA: NPG Education. 2010), Translated under supervision of: **Hossein Baharvand**, *Translated by:* Keynoosh Khaloughi, and Masoud Vosough. Publisher: House of Biology Press, 2012.
٤. **Stem cells for Dummies** (Lawrence S.B. Goldstein, Meg Schneider, 2010), Translated under supervision of: **Hossein Baharvand**, *Translated by:* Keynoosh Khaloughi, Ebrahim Shahbazi, Mojdeh Sojoodi, Masoud Vosough. Publisher: House of Biology Press, 2011.
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(*: means correspondence)

١. Ahmad Oryan, Mohamadreza Baghaban Eslaminejad*, Amir Kamali, Samaneh Hosseini, Forough Azam Sayahpour, Hossein Baharvand. **Synergistic effect of strontium, bioactive glass and nano-hydroxyapatite promotes bone regeneration of critical-sized radial bone defects.** Journal of biomedical materials research B: applied biomaterials, 2018 Feb 21. doi: 10.1002/jbm.b.34094. [Epub ahead of print]
٢. Fereshteh Karamali, Mohammad-Hossein Nasr Esfahani*, Sara Taleahmad, Leila Satarian, Hossein Baharvand*. **Stem Cells from Apical Papilla Promote Differentiation of Human Pluripotent Stem Cells towards Retinal Cells.** Differentiation, 2018, In Press.
٣. Sadaf Vahdat, Sara Pahlavan, Nasser Aghdami, Behnaz Bakhshandeh*, Hossein Baharvand*. **Establishment of a Protocol for *In Vitro* Culture of Cardiogenic Mesodermal Cells derived from Human Embryonic Stem Cells.** Cell Journal , 2018, In press.
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١١. Mona Saheli, Mohammadmajid Sepantafar, Behshad Pournasr, Zahra Farzaneh, Massoud Vosough, Abbas Piryaee*, Hossein Baharvand*. **Three-Dimensional Liver-derived Extracellular Matrix Hydrogel Promotes Liver Organoids Function.** Journal of Cellular Biochemistry. 2017 Dec 16. doi: 10.1002/jcb.26622. [Epub ahead of print].
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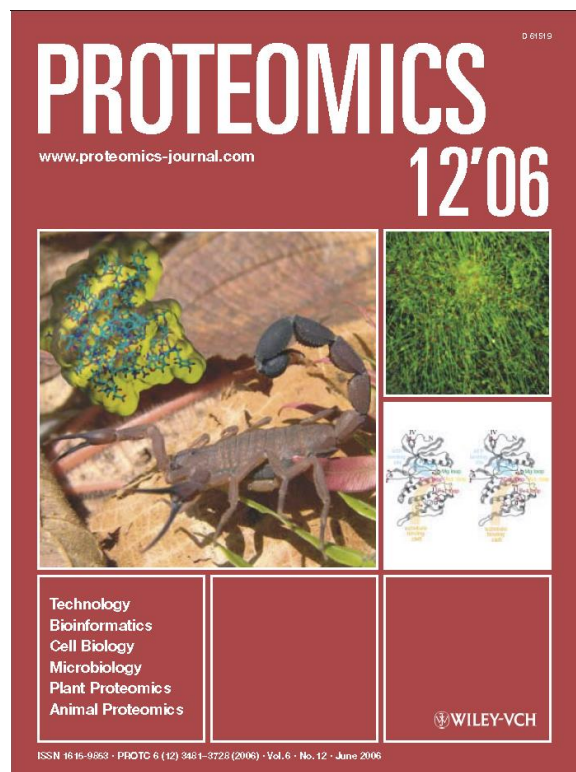
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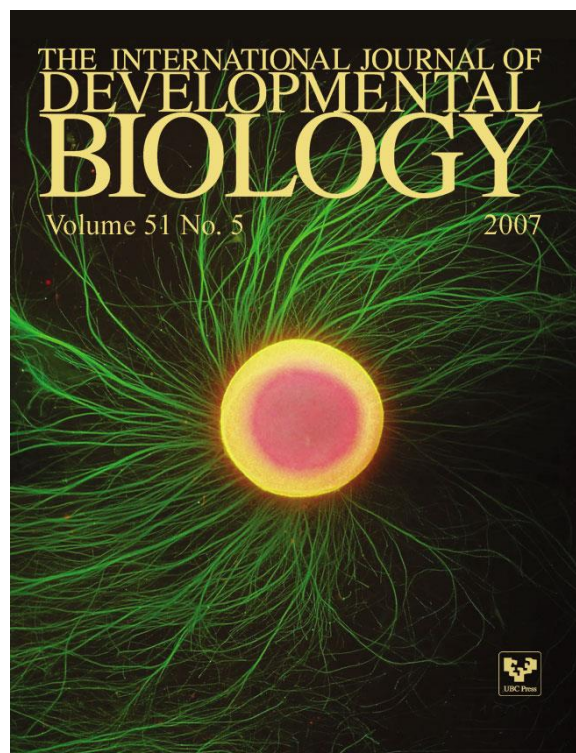
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➤ **Cover page of International Journals related to publications:**

Neural induction of human embryonic stem cells by treatment with retinoic acid and basic fibroblast growth factor for three weeks and stained for anti- beta-Tubulin III (green). Red color represents nuclei counterstained with propidium iodide. (Baharvand et al., 2006).



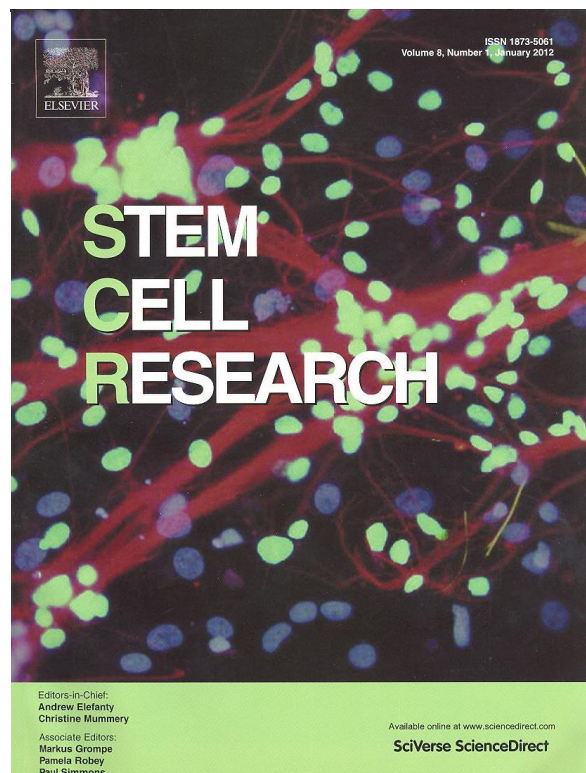
Fluorescence-microscopic view of a cluster of neuronal cells derived from human embryonic stem cells. Outgrowing processes are labeled by beta-Tubulin III (green) and aggregate of Nuclei by propidium iodide (red). The length of some processes reached up to 5 mm in vitro. (Baharvand et al., 2007).



Phase contrast micrograph of differentiated neuronal cells from human embryonic stem cells on a nanofibrillar surface. (Shahbazi et al., 2011)



Immunofluorescence micrograph of differentiated neurons by co-culture of human embryonic stem cell-derived neural progenitors with chicken somites showed dorsalization. PAX7/TUJ1/DAPI, (Salehi et al., 2012)

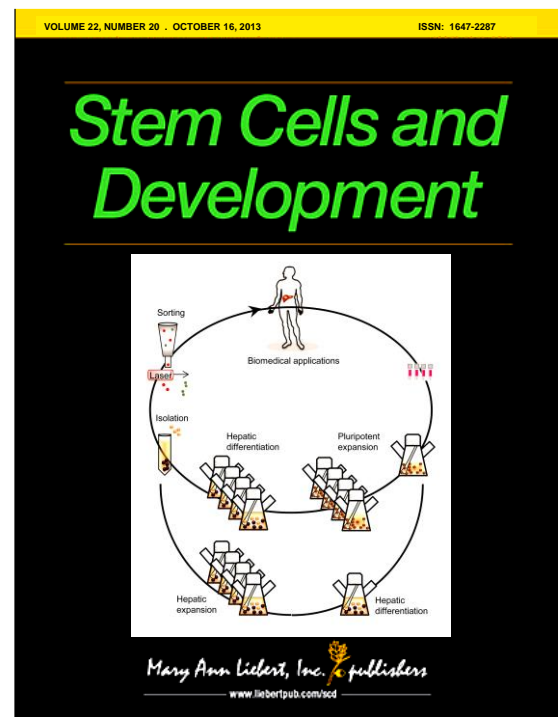


Screening ethnically diverse human embryonic stem cells (four lines from Iran)

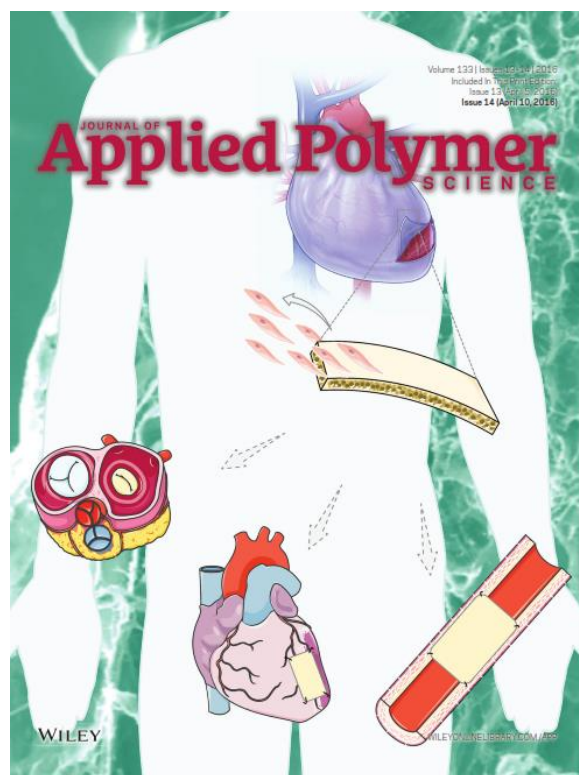
- White box: Royan H5) (Amps K, et al, Baharvand H, et al, 2011)



The methodology to scale up pluripotent-derived cell populations for clinical application. (Vosough et al., 2013)



Applications of decellularized pericardium membrane in cardiovascular engineering.
(Sasan Jalili-Firoozinezhad et al., 2016)



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➤ Conferences and Meetings:

No	TITLE	AUTHOR	LOCATION	PRES.	DATE
١.	Suppression of Transforming Growth Factor β Signaling Promotes Ground State Pluripotency from Single Blastomeres.	Seyedeh-Nafiseh Hassani, Mohammad Pakzad, Behroz Asgari, Adeleh Taei, Hossein Baharvand*.	Stem Cell Niche, Copenhagen, Denmark	Poster	May 18 - 22, 2014
٢.	Conversion of Human Fibroblasts to a Cardiac Fate by Reprogramming Proteins	Zanar Ghazizadeh, Hassan Rassouli, Hananeh Fonoudi, Mehdi Alikhani, Shuibing Chen, Hossein Baharvand*, Nasser Aghdami*, Ghasem Hosseini Salekdeh*	Annual International Society for Cell Transplantation Meeting, Paris, France	Poster	April 23-26 2014
٣.	Enhanced Generation of Human Embryonic Stem Cells from Single Blastomeres of Fair and Poor quality Cleavage Embryos via inhibition of GSK3 β and ROCK Signaling	Baharvand H, Adeleh Taei, Seyedeh-Nafiseh Hassani, Poopak Eftekhari-Yazdi, Mojtaba Rezazadeh Valojerdi, Mohsen Nokhbatolfoghahaei, Najmeh-Sadat Masoudi, Mohammad Pakzad, Hamid Gourabi	12 th International Conference on Preimplantation Genetic Diagnosis, Istanbul, Turkey	Oral	May 8-11, 2013
٤.	Engrafted Human Induced Pluripotent Stem Cell-Derived Anterior Specified Neural Progenitors Support the Repair of the Rat Crushed Optic Nerve	Baharvand H, Leila Satarian, Mohammad Javan, Sahar Kiani, Maryam Hajikarm, Javad Mirnajafi-Zadeh	19 th Annual International Society for Cell Transplantation Meeting Auckland, New Zealand	Oral	April 22-25, 2013
٥.	Epigenetic analysis of human embryonal stem cells during neural differentiation	Shahhoseini M, Favaedi R, Baharvand H	8 th Royan International Congress on Stem Cell Biology and Technology, Tehran-Iran	Poster	5-7 September 2012
٦.	Transplantation of human induced pluripotent stem cell-derived oligodendrocyte progenitors into severe injured spinal cord rat	Zafarani F, Malvandi AM, Azarnia M, Baharvand H, Kiani S	8 th Royan International Congress on Stem Cell Biology and Technology, Tehran-Iran	Poster	5-7 September 2012
٧.	Transplantation of human induced pluripotent stem cell-derived neural progenitors to rat crushed	Satarian L, Kiani S, Javan M, Baharvand H	8 th Royan International Congress on Stem Cell Biology and	Poster	5-7 September 2012

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	optic nerve		Technology, Tehran-Iran		
۸.	Differential expression pattern and protein level of PPAR γ during retinoic acid induced-neural differentiation of human embryonic stem cells	Salamian A, Ghaedi K, Nasr Esfahani MH, Baharvand H	8 th Royan International Congress on Stem Cell Biology and Technology, Tehran-Iran	Poster	5-7 September 2012
۹.	Study of influence of IFN-g and/or LPS on survival of human oligodendrocyte precursor cells	Peymani M, Ghaedi K, Ghoochani A, Hashemi MS, Nasr Esfahani MH, Kiani A, Baharvand H	8 th Royan International Congress on Stem Cell Biology and Technology, Tehran-Iran	Poster	5-7 September 2012
۱۰.	Attenuation of neural differentiation follow up PEP gene knock down in mouse embryonic stem cells	Hashemi MS, Ghaedi K, Peymani M, Ghoochani A, Nasr Esfahani MH, Baharvand H	8 th Royan International Congress on Stem Cell Biology and Technology, Tehran-Iran	Poster	5-7 September 2012
۱۱.	Generation and maintenance of human embryonic stem cells-derived neural precursors cells by small molecules	Nemati Sh, Karamali F, Kiani S, Baharvand H	8 th Royan International Congress on Stem Cell Biology and Technology, Tehran-Iran	Poster	5-7, September 2012
۱۲.	Influences of PPAR γ and PEP on proliferation and differentiation of mouse embryonic stem cells	Ghaedi K, Nasr Esfahani MH, Baharvand H, Tanhaie S, Salamian A, Karbalaie KH, Ostadsharif M, Ghoochani A, Peymani M, Karamali F	8 th Royan International Congress on Stem Cell Biology and Technology, Tehran-Iran	Poster	5-7 September 2012
۱۳.	Similar nucleosome occupancy levels of the histone variant H2A.Z, in human embryonic stem cells and induced pluripotent stem cells	Favaedi R, Shahhoseini M, Molla Mohammadi S, Baharvand H	8 th Royan International Congress on Stem Cell Biology and Technology, Tehran-Iran	Poster	5-7 September 2012
۱۴.	Glucocorticoids inhibit cell death induced by doxorubicin in cardiomyocytes	Dehghani L, Hayati Rodbari N, Farokhpour M, Karbalaie KH, Nematollahi M, Tanhaie S, Nasr Esfahani MH,	8 th Royan International Congress on Stem Cell Biology and	Poster	5-7 September 2012

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		Baharvand H	Technology, Tehran-Iran		
۱۵.	Human Induced pluripotent stem cells differentiation into oligodendrocyte progenitors and transplantation in a rat model of optic chiasm demyelination	Pouya A, Satarian L, Kiani S, Javan M, Baharvand H	8 th Royan International Congress on Stem Cell Biology and Technology, Tehran-Iran	Oral	5-7 September 2012
۱۶.	Differentiation of human embryonic stem cells into neural cells: insights from comparative proteomics and transcriptomics analysis	Fathi A, Shahbazi E, Vakilian H, Baharvand H, Hosseini Salekdeh GH	8 th Royan International Congress on Stem Cell Biology and Technology, Tehran-Iran	Oral	5-7 September 2012
۱۷.	Pericardium Membrane: Well suited for myocardial tissue engineering	Rajabizeleti S, Azarnia M, Aghdami N, Baharvand H, Vahdat S, Khayatan F	8 th Royan International Congress on Stem Cell Biology and Technology, Tehran-Iran	Poster	5-7 September 2012
۱۸.	Mesenchymal stem cell conditioned medium accelerates regeneration of human renal proximal tubule epithelial cells after gentamicin toxicity	Moghadasali R, Mutsaers HAM, Azarnia M, Aghdami N, Baharvand H, Torensma R, Wilmer MJ, Masereeuw R	8 th Royan International Congress on Stem Cell Biology and Technology, Tehran-Iran	Poster	5-7 September 2012
۱۹.	Inhibition Of Tgf-B Signaling Could Substitute The Inhibition Of Multifunctional Gsk3 In Naive Mouse Embryonic Stem Cells	Hassani, Seyedeh Nafiseh, Totonchi, Mehdi, Mollamohammadi, Sepideh, Pakzad, Mohammad, Farrokhi, Ali, Gourabi, Hamid, Baharvand, Hossein	10th ISSCR Annual Meeting, Yokohama, Japan	Poster	13-16, June, 2012
۲۰.	The Influence Of Peroxisome Proliferator-Activated Receptor $\Gamma 1$ On Differentiation Of Mouse Embryonic Stem Cells To Cardiac Beating Cells	Ghaedi, Kamran, Ghoochani, Ali, Peymani, Maryam, Karamali, Fereshteh, Karbalaeei, Khadijeh, Tanhaie, Somayeh, Salamian, Ahmad, Nasr-Esfahani, Mohammad Hossein, Baharvand, Hossein	10th ISSCR Annual Meeting, Yokohama, Japan	Poster	13-16, June, 2012
۲۱.	Efficient Derivation Of	Moraveji, Faezeh, Attari,	10th ISSCR	Poster	13-16, June,

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	Pluripotent Stem Cells From Neonatal Mouse Testis Using Small Molecules	Farnoosh, Shahverdi, Abdolhossein, Sepehri, Houri, Farrokhi, Ali, Hassani, Seyedeh-Nafiseh, Fonoudi, Hannaneh, Aghdami, Nasser, Baharvand, Hossein	Annual Meeting, Yokohama, Japan		2012
۲۲.	human Induced Pluripotent Stem Cell Lines Showed Significant Differences In Differentiation Propensity For Lineage Derivatives	Rassouli, Hassan, Khalaj, Mona, Nemati, Shiva, Ghazizadeh, Zaniar, Fattahi, Faranak, Salekdeh, Ghasem Hosseini, Baharvand, Hossein	10th ISSCR Annual Meeting, Yokohama, Japan	Poster	13-16, June, 2012
۲۳.	Mass Differentiation Of Human Induced Pluripotent Stem Cell Into Hepatocyte Like Cells In Stirrer Bioreactor And Their Functional Characterization In Ccl4 Induced Liver Injury In Mouse Model	Vosough, Massoud, Omidinia, Eskandar, Kadivar, Mahdi, Shokegozar, Mohammad Ali, Aghdami, Naser, Pournasr, Behshad, Baharvand, Hossein	10th ISSCR Annual Meeting, Yokohama, Japan	Poster	13-16, June, 2012
۲۴.	Conversion Of Mouse Fibroblast To Hepatocyte-Like Cells	Pournasr, Behshad, Baharvand, Hossein	10th ISSCR Annual Meeting, Yokohama, Japan	Poster	13-16, June, 2012
۲۵.	Preferential Retinoic Acid-Dependent Demethylase Activity Of Utx Rather Than Jmjd3 On The Clustred Hox Genes During Neural Differentiation Of Human Embronic Stem Cells	Taghizadeh, Zeinab, Hatami, Maryam, Baharvand, Hossein, Shahhoseini, Maryam	10th ISSCR Annual Meeting, Yokohama, Japan	Poster	13-16, June, 2012
۲۶.	Direct Lmx1a Protein Transduction; An Efficient Approach To Produce High Pure And Safe Dopaminergic Neurons From Human Embryonic Stem Cells	Yeganeh, Meghdad, Fathi, Ali, Baharvand, Hossein, Hosseini Salekdeh, Ghasem	10th ISSCR Annual Meeting, Yokohama, Japan	Poster	13-16, June, 2012
۲۷.	Neural Differentiation Rate Of Mouse Embryonic Stem Cells Decreased By	Nasr-Esfahani, Mohammad Hossein, Ghaedi, Kamran, Hashemi,	10th ISSCR Annual Meeting,	Poster	13-16, June, 2012

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	Peroxisomal Protein Expression Reduction	Motahare-Sadat, Salamian, Ahmad, Karbalaie, Khadijeh, Emadi, Mojtaba, Tanhaei, Somayeh, Baharvand, Hossein	Yokohama, Japan		
۲۸.	Differentiation Of Rapamycin Primed-Human Embryonic Stem Cells Into Pancreatic Progenitor Cells	Tahamtani, Yaser, Azarnia, Mahnaz, Aghdami, Naser, Farrokhi, Ali, Baharvand, Hossein	10th ISSCR Annual Meeting, Yokohama, Japan	Poster	13-16, June, 2012
۲۹.	Pluripotent Stem Cells: Potentials and Perspective	H. Baharvand	15th Congress of Iranian Urological Association, Tehran		10th - 13th May, 2012
۳۰.	Investigation of different small molecules combinations to produce definitive endoderm from human embryonic stem cells	Y.Tahamtani, M.Azarnia, N.Aghdami, A.Farrokhi, H.Baharvand	Cell Symposia: Stem Cell Programming & Reprogramming Portugal	Poster	8-10 Dec 2011
۳۱.	Tracing the derivation of mouse embryonic stem cells from blastocysts in the presence of TGF- β and erk signaling inhibitors	M. Totonchi, S.N. Hassani, M.Rezazadeh, P.Eftekhari, H.Gourabi, H.Baharvand	Cell Symposia: Stem Cell Programming & Reprogramming Portugal	Poster	8-10 Dec 2011
۳۲.	New Protocol for production of pluripotent-derived endoderm cells in therapeutic scale	M.Vosough, E. Omidnia, M.Kadivar, N.Aghdami, B.Pournasr Khakbaz, H.Baharvand	Cell Symposia: Stem Cell Programming & Reprogramming Portugal	Poster	8-10 Dec 2011
۳۳.	Construction and Characterization of Specific Non-Viral Vector for Ex vivo Expression of Human β -Globin Gene Using Induced Pluripotent Stem (iPS) Cells	Dormiani K , Mir Mohammad Sadeghi H , Baharvand H , Karbalaie Kh , Sadeghi Aliabadi H , Ghaedi K , Khazaie Y	7 th Royan International Congress on Stem Cell Biology and Technology Tehran-Iran	Poster	September 7-9, 2011

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۳۴.	Effects of PPAR γ Agonist and Antagonist Treatment on Cardiac Differentiation of Mouse Embryonic Stem Cells	Ghoochani A , Peymani M , Ghaedi K , Karamali F , Karbalaeei Kh , Nasr Esfahani MH , Baharvand H	7 th Royan International Congress on Stem Cell Biology and Technology, Tehran-Iran	Poster	September 7-9, 2011
۳۵.	PEP Gene Knock Down in Mouse Embryonic Stem Cells Decreased Significant Rate of Neural Differentiation	Hashemi MS , Ghaedi K , Nasr Esfahani MH , Salamian A , Karbalaeei Kh , Baharvand H	7 th Royan International Congress on Stem Cell Biology and Technology, Tehran-Iran	Poster	September 7-9, 2011
۳۶.	Co-Transplantation of Human Embryonic Stem Cell-Derived Neural Progenitors along with Schwann Cells in a Rat Spinal Cord Contusion Injury Model Elicits a Distinct Neurogenesis and Functional Recovery	Niapour A , Karamali F , Nemati Sh , Taghipour Z , Mardani M , Nasr Esfahani MH , Baharvand H	7 th Royan International Congress on Stem Cell Biology and Technology, Tehran-Iran	Oral	September 7-9, 2011
۳۷.	Neural Fate of Human Embryonic Stem Cells Derived Neural Precursor Cells Following Chick Embryonic Somites and Notochord Co-Culture	Salehi H , Karbalaeei Kh , Razavi Sh , Tanhaei S , Nematollahi M , Nasr Esfahani MH , Baharvand H	7 th Royan International Congress on Stem Cell Biology and Technology, Tehran-Iran	Oral	September 7-9, 2011
۳۸.	Expression Pattern of REST in hESCs and hiPSCs Undergoing Neural Differentiation	Ansari H , Baharvend H , Shahhosseini M , Nemati Sh , Kiani S	7 th Royan International Congress on Stem Cell Biology and Technology, Tehran-Iran	Poster	September 7-9, 2011
۳۹.	Dexamethasone Reduces Doxorubicin-Induced Oxidative Stress and Caspase 3 Activity in mESC-Derived Pure Cardiomyocytes	Dehghani L , Farokhpour M , Karbalaeei Kh , Nematollahi M , Nasr Esfahani MH , Baharvand H	7 th Royan International Congress on Stem Cell Biology and Technology, Tehran-Iran	Poster	September 7-9, 2011
۴۰.	Proteome Analysis Of Posttransplantation Recovery Mechanisms Of Eae Model Of Multiple Sclerosis	A. Shahzadeh Fazeli, D. Bagher Nasrabadi,*, S. S. O. Mirshahvaladi , M. H. Sanati, A. Pouya, H.	HUPO 2011-09-12 10th World Congress,	Poster	2011-09-12

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	Treated With Stem Cell-Derived Neural Precursors	Baharvand, G. Hosseini Salekdeh	Switzerland		
٤١.	2d-Dige Profiling Of Human Embryonic Stem Cells During Neural Differentiation	A. Fathi *, H. Vakilian, M. Hatami, C. Li Han, YJ. Chen, H. Baharvand, G. H. Salekdeh	HUPO 2011-09-12 10th World Congress, Switzerland	Oral	2011-09-12
٤٢.	Treatment Of Acute Hepatic Failure In Mice By Transplantation Of Human Induced Pluripotent Stem Cells-Derived Mesenchymal Progenitors	Moslem, Mohsen ¹ , Valojerdi, Mojtaba Rezazadeh ¹ , Baharvand, Hossein ²	9th Annual Meeting of ISSCR, Toronto, Canada	Poster	June 15-18, 2011
٤٣.	Oligodendrocyte Progenitors Derived From Human Induced Pluripotent Stem Cells Improve Recovery Of Rat Model Of Optic Chiasm Demyelination	Pouya, Alireza, Satarian, Leila, Kiani, Sahar, Javan, Mohammad, Baharvand, Hossein	9th Annual Meeting of ISSCR, Toronto, Canada	Poster	June 15-18, 2011
٤٤.	Roles Of Peroxisome Proliferator-Activated Receptor Gamma On Proliferation State Of Mouse Embryonic Stem Cells Due To The Absence Or Presence Of Leukemia Inhibitory Factor	Ghaedi, Kamran, Peymani, Maryam, Ghoochani, Ali, Karamali, Fereshteh, Karbalaee, Khadijeh, Kiani, Abbas, Nasr-Esfahani, Mohammad Hossein, Baharvand, Hossein	9th Annual Meeting of ISSCR, Toronto, Canada	Poster	June 15-18, 2011
٤٥.	Direct Differentiation Of Suspended Spheroid Form Of HipsCs To Endoderm Progeny	Vosough, Massoud, Omidinia, E, Kadivar, M, Shokrgozar, MA, Aghdami, N, Pournasr Khakbaz, B, Baharvand, H	9th Annual Meeting of ISSCR, Toronto, Canada	Poster	June 15-18, 2011
٤٦.	Comparative Epigenetic Analysis Of A Few Histone Marks In Human Esc, Ips And Differentiated Cells	Shahhoseini, Maryam, Favaedi, Raha, Mollamohammadi, Sepideh, Baharvand, Hossein	9th Annual Meeting of ISSCR, Toronto, Canada	Poster	June 15-18, 2011
٤٧.	Electrophysiological Properties And Expression Of Voltage-Gated Ion Channels In Human Embryonic Stem Cells During Neural Differentiation	Kiani, Sahar Shahbazi, Ebrahim, Hemmesi, Katayoun, Janahmadi, Mahyar, Mirnajafi-Zadeh, Seyad-Javad, Baharvand, Hossein	9th Annual Meeting of ISSCR, Toronto, Canada	Poster	June 15-18, 2011
٤٨.	Epigenetic Alteration Of Hox Genes During Retinoic Acid-Induced Neural	Taghizadeh, Zeinab, Hatami, Maryam, Baharvand, Hossein,	9th Annual Meeting of ISSCR,	Poster	June 15-18, 2011

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	Differentiation	Shahhoseini, Maryam	Toronto, Canada		
٤٩.	Generation And Maintenance Of Neural Progenitor Cells From Human Induced Pluripotent Stem Cells	Hatami, Maryam, Nemati, Shiva, Kiani, Sahar, Hemmesi, Katayoon, Gourabi, Hamid, Masoudi, Najmeh, Alaie, Sara, Baharvand, Hossein	9th Annual Meeting of ISSCR, Toronto, Canada	Poster	June 15-18, 2011
٥٠.	In Vitro Potential Of Human Bone Marrow Stromal Cells To Differentiate Into Insulin Producing Cells In Co-Culture With Pancreatic Stromal Cells	Khoshchehreh, Reyhaneh, Ebrahimi, Marzieh, Baharvand, Hossein, Bagheban Islami Nejad, Mohamad Reza, Aghdami, Nasser, Samani, Fazel	9th Annual Meeting of ISSCR, Toronto, Canada	Poster	June 15-18, 2011
٥١.	Rapamycin Improves The Efficiency Of Directed Differentiation Of Human Embryonic Stem Cells Into Definitive Endoderm	Tahamtani, Yaser, Azarnia, Mahnaz, Aghdami, Naser, Farrokhi, Ali, Baharvand, Hossein	9th Annual Meeting of ISSCR, Toronto, Canada	Poster	June 15-18, 2011
٥٢.	Disease-Corrected Hepatocytes From Human Familial Hypercholesterolemia Induced Pluripotent Stem Cells	Fattahi, Faranak, Asgari, Samira, Seifinejad, Ali, Baharvand, Hossein, Hosseini Salekdeh, Ghasem	9th Annual Meeting of ISSCR, Toronto, Canada	Poster	June 15-18, 2011
٥٣.	Differentiation of retinal pigmented epithelial cells from human induced pluripotent stem cells and transplantation in retinal degeneration Rat model	A. Zahabi, e. Shahbazi, N. Daftarian, S. Kiani, H. Ahmadi, F. Mehrnejad, H. Baharvand	Asia Meeting on Research in Vision and Ophthalmology, Singapore	Oral	January 20-22, 2011
٥٤.	Determination of differentiation of human cord blood CD133 ⁺ cells into insulin secreting cells	Fazel Sahraneshin Samani, Marzieh Ebrahimi*, Tahereh Zandieh, Monireh Mohammad, Nasser Aghdami, Hossein Baharvand	Iranian Immunology and Allergy Congress, Iran	Poster	Apr 26-28, 2012
٥٥.	Pluripotent stem cells: A new area in hepatology and cell therapy in liver disease	Baharvand H.	10 th Iranian Congress of Gastroenterology and Hepatology, Tehran	Keynote lecture	November 9-12, 2010 (18-21 ABAN 1389-)
٥٦.	A complexomic study of hESC	Shekari F, Taei A, X, y, Baharvand H, Hosseini	7 th ISSCR Annual	Poster	July 8-11, 2009

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		Salekdeh Gh	Meeting Barcelona, Spain		
۵۷.	Differentiation of human embryonic stem cells to neural lineages in adherent and chemically defined medium conditions	Hemmes K, Zare Mehrjerdi N, Azizi H, Kiani S, Hatami M, Baharvand H.	7th ISSCR Annual Meeting Barcelona, Spain	Poster	Jully 8-11, 2009
۵۸.	A comparison of protocols used to generate hepatocyte from feeder-free adherent human embryonic stem cells	Pournasr Khakbaz B, Shahsavani M, Baharvand H.	7th ISSCR Annual Meeting Barcelona, Spain	Poster	Jully 8-11, 2009
۵۹.	Enhanced neural cell differentiation from hESCs using a polyamide nanofiber scaffold	Shahbazi E, Zare Mehrjardi N, Kiani S, Hatami M, Hemmes K, Gourabi H, Baharvand H.	7th ISSCR Annual Meeting Barcelona, Spain	Poster	Jully 8-11, 2009
۶۰.	Presence of a rock inhibitor in Extracellular matrix supports more Undifferentiated growth of serum- and Feeder-free human mbryonic and induced Pluripotent stem cells upon passaging	Pakzad M., Mollamohammadi, Sepideh1, Tae, Adeleh1, Totonchi, Mehdi2, Seifinejad, Ali1, Masoudi, Najmeh sadat3, Baharvand, Hossein4	7th ISSCR Annual Meeting Barcelona, Spain	Poster	Jully 8-11, 2009
۶۱.	Generation of human induced pluripotent Stem cells from liver-specific patients	Tae, Adeleh1, Totonchi, Mehdi2, Mollamohammadi, Sepideh1, Seifinejad, Ali1, Gourabi, Hamid3, Aghdami, Nasser1, Hosseini Salekdeh, Ghasem1, Baharvand, Hossein4	7th ISSCR Annual Meeting Barcelona, Spain	Poster	Jully 8-11, 2009
۶۲.	A comparison of protocols used to Generate hepatocyte from feeder-free Adherent human embryonic stem cells	Pournasr, Behshad, Shahsavani, Mansoureh, Baharvand, Hossein	7th ISSCR Annual Meeting Barcelona, Spain	Poster	Jully 8-11, 2009
۶۳.	Generation of insulin secreting cells From mouse embryonic stem cells by bmp4, Activin a and retinoic acid	Pirouz, Mehdi, Farrokhi, Ali, Jafary, Hanieh, Moradmand, Azadeh, Baharvand, Hossein	7th ISSCR Annual Meeting Barcelona, Spain	Poster	Jully 8-11, 2009

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٦٤.	Differentiation of human embryonic stem Cells to neural lineages in adherent and Chemically defined medium conditions	Hemmes, Katayoun, Zare, Nargess, Azizi, Hossein, Kiani, Sahar, Hatami, Maryam, Baharvand, Hossein	7th ISSCR Annual Meeting Barcelona, Spain	Poster	Jully 8-11, 2009
٦٥.	Generation of human induced pluripotent Stem cells from an individual with Bombay Blood type	Seifinejad, Ali, Tae, Adeleh, Totonchi, Mehdi, Vaziri, Hamed, Ebrahimi, Marzieh, Abroun, Saeed, Gourabi, Hamid, Vosough Disaj, Ahmad, Aghdami, Nasser, Hosseini Salekdeh, Ghasem, Baharvand, Hossein	7th ISSCR Annual Meeting Barcelona, Spain	Poster	Jully 8-11, 2009
٦٦.	Autologous transplantation of bone Marrow mononuclear cells for treatment Of advanced chronic lower limb ischemic Patients	Aghdami, Nasser, Namiri, Mehrnaz, Ravari, Hossein, Taghiabadi, Ehsan, Farokhi, Ali, Zafarghandi, Mohammadreza, Baharvand, Hoosein	7th ISSCR Annual Meeting Barcelona, Spain	Poster	Jully 8-11, 2009
٦٧.	Autologous bone marrow stem cells in Cirrhosis patients	Aghdami, Nasser, Nikeghbalian, Saman, Pournasr, Behshad, HosseiniAs, K1, HosseiniAsl, K, Namiri, Mehrnaz, Nejatollahi, SM, Taghiabadi, Ehsan, Malekhosseini, Seied Mohammadali, Baharvand, Hossein	7th ISSCR Annual Meeting Barcelona, Spain	Poster	Jully 8-11, 2009
٦٨.	Differentiation of mouse embryonic Stem cells into insulin secreting cells is Promoted on collagen matrix and fetal Pancreatic co-culture	Farrokhi, Ali, Pirouz, Mehdi, Jafary, Hanieh, Moradmam, Azadeh, Baharvand, Hossein	7th ISSCR Annual Meeting Barcelona, Spain	Poster	Jully 8-11, 2009
٦٩.	Therapeutic potential of bone marrow derived Mesenchymal stem cells on ccl4- Induced mouse hepatic injury possibly Through matrix metalloproteinase's and Differentiation into hepatocyte like cells	Rabani, Vahideh, Shahsavani, Mansoureh, Gharavi, Marzieh, Azdari, Zahra, Piriai, Abbas, Baharvand, Hosein	7th ISSCR Annual Meeting Barcelona, Spain	Poster	Jully 8-11, 2009
٧٠.	Differentiation of human embryonic stem Cells to neural lineages in adherent and Chemically defined	Hemmes, Katayoun, Zare, Nargess, Azizi, Hossein, Kiani, Sahar, Hatami, Maryam, Baharvand,	7th ISSCR Annual Meeting Barcelona,	Poster	Jully 8-11, 2009

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	medium conditions	Hossein	Spain		
۷۱.	Establishment of human induced Pluripotent stem cells from retinal specific Disorders	Hassani, Nafiseh, Totonchi, Mehdi, Tae, Adeleh, Seifinejad, Ali, Gourabi, Hamid, Aghdami, Nasser, Hosseini Salekdeh, Ghasem, Baharvand, Hossein	7th ISSCR Annual Meeting Barcelona, Spain	Poster	Jully 8-11, 2009
۷۲.	A complexomic study of human embryonic Stem cell: blue native page approach	Shekari, Faezeh, Taei, Adele, Wang, Pei-Wen, Pan, Tai-Long, Baharvand, Hossein, Hosseini Salekdeh, Ghasem	7th ISSCR Annual Meeting Barcelona, Spain	Poster	Jully 8-11, 2009
۷۳.	Induction Of Chimeras In Kidney Recipient By Mobilized Peripheral Blood Stem Cells	Ebrahimi, Marzieh, Amir Zargar, Mohammad Ali, Baharvand, Hossein, Gholiaf, Ali Reza, Khoshjoo, Farhad, Khodadadi, Laleh, Hosseini Moghadam, Mommad Mehdi, Farrokhi, Ali, Ghavam Zadeh, Ardeshtir, Alimoghdam, Kamran, Dadras, Farahnaz, Dadras, Farahnaz, Vosogh Dizaji, Ahmad	7th ISSCR Annual Meeting Barcelona, Spain	Poster	Jully 8-11, 2009
۷۴.	Direct differentiation of human induced pluripotent stem cells into hepatocytes	Asgari, Samira, Pournasr Khakbaz, Behshad, Totonchi, Mehdi, Tae, Adelah, Shahsavani, Mastooreh, Baharvand, Hossein	7th ISSCR Annual Meeting Barcelona, Spain	Poster	Jully 8-11, 2009
۷۵.	Enhanced neural cell differentiation from human embryonic stem cells using a polyamide nanofiber scaffold	Shahbazi, Ebrahim, Zare Mehrjerdi, Nargess, Kiani, Sahar, Hatami, Maryam, Hemmes, Katayoun, Gourabi, Hamid, Baharvand, Hossein	7th ISSCR Annual Meeting Barcelona, Spain	Poster	Jully 8-11, 2009
۷۶.	Embryonic stem cell sphere: a controlled Method for production of mouse Embryonic stem cell aggregates for Differentiation	Rohani, Leili, Karbalaie, Khadijeh, Vahdati, Akbar, Hatami, Maryam, Nasr-Esfahani, Mohamma Hossein, Baharvand, Hossein	7th ISSCR Annual Meeting Barcelona, Spain	Poster	Jully 8-11, 2009

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٧٧.	Embryonic stem cell-derived Cardiomyocytes as model system To study cardioprotective effects Of dexamethasone in doxorubicin Cardiotoxicity	Karbalae, Khadijeh, Farokhpour, Mahboubeh, Tanhaei, Somayeh, Nematollahi, Marzeye, Etebari, Mahmoud, Mirmohammad Sadeghi, Hamid, Hossein Nasr-Esfahani, Hossein Nasr-Esfahani, Baharvand, Hossein	7th ISSCR Annual Meeting Barcelona, Spain	Poster	Jully 8-11, 2009
٧٨.	Feeder and serum-free establishment and Expansion of human induced pluripotent Stem cells	Totonchi, Mehdi, Tae, Adeleh, Seifinejad, Ali, Tabebordbar, Mohammadsharif, Rassouli, Hassan, Farrokhi, Ali, Gourabi, Hamid, Aghdami, Nasser, Hosseini Salekdeh, Ghasem, Baharvand, Hossein	7th ISSCR Annual Meeting Barcelona, Spain	Poster	Jully 8-11, 2009
٧٩.	Transplantation of human bone marrowmesenchymal Stem cells and their neurallike Induced progenitors does not improve Recovery of hindlimb locomotor function And sensory response in rats subjected to Midline lateral hemisection of spinal cord Injury	Nemati, Shiva, Zare Mehrjerdi, Nargess, Kiani, Sahar, Azizi, Hossein, Hemmesi, Katayon, Baharvand, Hossein	7th ISSCR Annual Meeting Barcelona, Spain	Poster	Jully 8-11, 2009
٨٠.	Study of chemokine receptor expression In mesenchymal stem cells derived from Bone marrow, adipose tissue and umbilical Cord blood.	Ahmadian Kia, Naghmeh, Bahrami, Ahmad-Reza, Neshati, Zainab, Raeso Mohaddeseen, Mahmood, Bidkhor, Hamid-Reza, Ebrahimi, Marzieh, Matin Moghaddam, Maryam	7th ISSCR Annual Meeting Barcelona, Spain	Poster	Jully 8-11, 2009
٨١.	Poly-l-lysine and poly-l-ornithine as extra Cellular matrix influence differentially Neural differentiation of carcinoma Stem cells seeded on ra loaded plga Microspheres.	Nojehdehian, Hanieh, Baharvand, Hossein, Moztarzadeh, Fatollah, Zare Mehrjerdi, Nargess, Nazarian, Hamid	7th ISSCR Annual Meeting Barcelona, Spain	Poster	Jully 8-11, 2009
٨٢.	Evaluation of heat shock proteins (60-72-90) and heat shock constitutive protein7o Expression in cultured limbal stem cells During air	Mohamadi, Parvaneh, Ebrahimi, Marzieh, Baharvand, Hossein	7th ISSCR Annual Meeting Barcelona,	Poster	Jully 8-11, 2009

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	exposure		Spain		
۸۳.	Evaluating the effects of bFGF on limbal stem cells cultured on amniotic membrane and collagen I	Taghiabadi E, Ebrahimi M, Valadbeigy T. and Baharvand H.	14 th congress of Iranian Society for Reproductive Medicine	Oral	20-22 February. 2008, Yazd, Iran
۸۴.	Comparative transcriptome and proteome analyses of differentiating human embryonic stem cells	Baharvand, Hossein1, Fathi, Ali1, Pakzad, Mohammad1, Tabe Bordbar, Mohammad Sharif1, Brink, Thore C.2, Sudheer, Smita2, Ruiz, Guifré2, Adjaye, James2, Hosseini Salekdeh, Ghasem1	6 th ISSCR annual meeting	Poster	June 11-13, 2008 Philadelphia, USA
۸۵.	Hepatocyte Growth Factor (Hgf)-Treated Human Mesenchymal Stem Cell (Msc) Transplantation Is Not Effective For Homozygous Familial Hypercholesterolemia	Mohamadnejad, Mehdi1, Pournasr, Behshad2, Aghdami, Naser2, Bagheri, Mohammad1, Shahsavani, Mansoureh2, Namiri, Mehrnaz2, Taghiabadi, Ehsan1, Azizi, Hossein2, Akhlaghpour, Shahram1, Calandra, Sebastiano3, Malekzadeh, Reza1, Baharvand, Hossein2	6 th ISSCR annual meeting	Poster	June 11-13, 2008 Philadelphia, USA
۸۶.	Long term clinical safety and efficacy of intramyocardial autologous bone marrow cd133+ cell injection during cabg in patients with acute myocardial infarction	Aghdami, Nasser1, Ahmadi, Hossein2, Sadeghian1, Hakimeh2, Kouhkan, Azam1, Madani-Civi, Manouchehr2, Namiri, Mehrnaz1, Pournasr, Behshad1, Zare Mehrjerdi, Narges1, Shahverdi, Abdolhossein1, Vosough Dizaji, Ahmad1, Baharvand, Hossein	6 th ISSCR annual meeting	Poster	June 11-13, 2008 Philadelphia, USA
۸۷.	Evaluation of the effect of collagen i, matrigel and amniotic membrane on limbal	Ebrahimi, Marzieh, Taghi Abadi, Ehsan, Valadbeigy, Tahereh, Baharvand, Hossein	6 th ISSCR annual meeting	Poster	June 11-13, 2008 Philadelphia, USA
۸۸.	Proteomics as a tool for consideration human embryonic stem cell biology aspects	Fathi A, Baharvand H, Pakzad M. and Salekdeh G. H.	The 1 st Congress of Medical Proteomics	Oral	20 February. 2008, Tehran, Iran
۸۹.	Exploring key participants in proliferation and differentiation of embryonic	Salekdeh G. H, Baharvand H, Fathi A, Nasrabadi D, Shekari F, Adjaye J,	The 1 st Congress of Medical	Oral	20 February. 2008,

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	stem cells using proteomics and transcriptomics approaches	Moghaddam M. M, Valadbeigi T, Dolatshad N-F, Bordbar M. S. T, Pirhaji L. and Heidari M.	Proteomics		Tehran, Iran
۹۰.	Blue Native PAGE analysis of mouse liver microsomal fraction	Shekari F, Jordan B, Tae A, Baharvand H. and Salekdeh G. H.	The 1 st Congress of Medical Proteomics	Oral	20 February. 2008, Tehran, Iran
۹۱.	Nuclear Proteome Analysis of Monkey Embryonic Stem Cell Differentiation	Nasrabadi D, Salekdeh G. H, Mollamohammadi S, Rezaei M. L. and Baharvand H.	The 1 st Congress of Medical Proteomics	Oral	20 February. 2008, Tehran, Iran
۹۲.	Improved cardiac function following intramyocardial transplantation of autologous CD133 ⁺ enriched bone marrow cells after myocardial infarction.	Ahmadi H, Baharvand H, Saeed Kazemi A, Massoud S, Sadeghian H, Arkedani J. M, Mehrjerdi N. Z, Kouhkan A, Namiri M, Madani-Civi M, Fattahi F, Shahverdi A, Dizaji A. V, Stamm C. and Aghdami N.	5 th Joint Meeting German, Austrian and Swiss Societies for Thoracic and Cardiovascular Surgery.	Oral	17-20 Feb, 2008, Innsbruck, Austrian.
۹۳.	Human embryonic stem cell proteomics	Fathi A, Baharvand H, Pakzad M. and Salekdeh G. H.	First International Symposium on Human Embryonic Stem Cell research	Poster	31 January – 2 February. 2008, Evry-paris, France
۹۴.	The effect of different extra cellular matrix (Collagen, Matrigel, Amniotic membrane) on limbal stem cells culture	Ebrahimi M, Taghi Abadi E, Valadbeigy T, Baharvand H.	The 5 th National Biotechnology Congress of Iran	Poster	24-27 Nov. 2007, Tehran, Iran
۹۵.	Proteomics analysis of epithelially denuded-human amniotic membrane as a limbal stem cell niche	Tabe-Bordbar MS, Baharvand H, Heydari M, Ebrahimi M, Valadbeigy T, Hosseini Salekdeh Gh.	HUPO 6 th Annual World Congress	Poster	Oct. 6-10, 2007-11-14 Seoul, Korea
۹۶.	A proteomics approach to identify human embryonic stem cell-associated proteins	Fathi A, Baharvand H, Pakzad M, Gourabi H, Hosseini Salekdeh Gh.	HUPO 6 th Annual World Congress	Poster	Oct. 6-10, 2007-11-14 Seoul, Korea
۹۷.	Proteome expression profiling of undifferentiated versus monkey embryonic stem cells	Bagher Nasr Abadi d, Baharvand H, Taei A, Mollamohammadi S, Hosseini Salekdeh Gh.	HUPO 6 th Annual World Congress	Poster	Oct. 6-10, 2007-11-14 Seoul, Korea

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٩٨.	Spontaneous differentiation of human embryonic stem cells leads to promiscuous progress through meiosis	Pirouz M, Valadbeigy T, <u>Baharvand H.</u>	5 th ISSCR Annual Meeting	Poster	June 17-20, 2007 Australia, Queensland
٩٩.	A proteomics approach to discover stemness associated genes in mouse embryonic stem cells	<u>Baharvand H.</u> , Fathi A, Pakzad M, Hosseini Salekdeh GH.	5 th ISSCR Annual Meeting	Poster	June 17-20, 2007 Australia, Queensland
١٠٠.	Growth of mouse embryonic stem cell-derived neurons on three-dimentional Poly-L-Lactic acid scaffold	Zare Mehrjardi N, Mirzadeh H, Khorasani MT, Sadatnia B, <u>Baharvand H.</u>	5 th ISSCR Annual Meeting	Poster	June 17-20, 2007 Australia, Queensland
١٠١.	Culture of human limbal stem cells on amniotic membrane of collagen with BFGF/NOGGIN	Ebrahimi M, Taghiabadi E, Heidari M, Javadi MA, Hosseini Salekdeh GH, <u>Baharvand H.</u>	5 th ISSCR Annual Meeting	Poster	June 17-20, 2007 Australia, Queensland
١٠٢.	Study of human limbal stem cells cultured on different matrices and co-culture systems	Ahmadian Kia N, Ebrahimi M, <u>Baharvand H.</u> , Hosseini A.	5 th ISSCR Annual Meeting	Poster	June 17-20, 2007 Australia, Queensland
١٠٣.	Heat Shock and the role of heat shock proteins during neural differentiation from murine embryonal carcinoma stem cells	Afzal E, Ebrahimi M, Arab Najafi SM, <u>Baharvand H.</u>	5 th ISSCR Annual Meeting	Poster	June 17-20, 2007 Australia, Queensland
١٠٤.	Radiosensitivity in mouse embryonic stem cells: strain differences	Karamali F, Gourabi H, <u>Baharvand H.</u> , Zeinali B, Jabbari Arfaee A.	5 th ISSCR Annual Meeting	Poster	June 17-20, 2007 Australia, Queensland
١٠٥.	DNA methylation pattern of the SOX-2 and FGF-4 regulatory regions in three different human embryonic stem cell lines	Totonchi M, Momeni Moghaddam M, Taei A, Gourabi H, <u>Baharvand H.</u>	5 th ISSCR Annual Meeting	Poster	June 17-20, 2007 Australia, Queensland
١٠٦.	Enhancement of Rat MSC viability and proliferation indexes when cultured in Rat serum	Rouhi L, Eslaminejad MB, <u>Baharvand H.</u> , Arab Najafi SM, Hamrahi D, Nazarian H.	5 th ISSCR Annual Meeting	Poster	June 17-20, 2007 Australia, Queensland
١٠٧.	The serum prepared from the rat peripheral blood significantly improves the viability and proliferation indexes of the rat mesenchymal stem cell in vitro	Rouhi L, Baghban Eslaminejad MR, Avab Najafi M, <u>Baharvand H.</u>	2 nd Int. Student Award & Congress in Reproductive Medicine	Poster	May, 2007 Yazd, Iran
١٠٨.	Mouse embryonic stem cell proteins responsible to	Fathi A, <u>Baharvand H*</u> , Soudi S, Pakzad M,	Joint 3 rd AOHUPO and	Poster	Dec. 2006

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	stemness	Hosseini Salekdeh Gh.	4 th Structural Biology and Functional Genomics Conference		Singapore
١٠٩.	Transdifferentiation of CD133+ human umbilical cord blood haematopoietic stem cells into neural cells by the anti cancer drug, Staurosporine	Faghihi F, Zare N, Soleimani Mehranji M, <u>Baharvand H.*</u>	14 th International Conference of the International Society of Differentiation	Poster	Oct. 2006 Innsbruck, Austria
١١٠.	Expression of heat shock proteins during neural differentiation of murine embryonic carcinoma stem cells (P19)	Afzal E, Ebrahimi M, Arab Najafi SM, <u>Baharvand H.</u>	14 th International Conference of the International Society of Differentiation	Poster	Oct. 2006 Innsbruck, Austria
١١١.	Embryonic Stem Cell Spheres: an easy and fast method for mass production of embryoid bodies for differentiation	Rohani L, Karbalaee K, Vahdati A, Nasr Esfahani MH, <u>Baharvand H.</u> , Ghodratnama R.	14 th International Conference of the International Society of Differentiation	Poster	Oct. 2006 Innsbruck, Austria
١١٢.	The effect of Gamma Radiation on different strains of mouse embryonic stem cells	Karamali F, Gourabi H, Zeinali B, <u>Baharvand H.</u> , Jabari Arfaee A.	14 th International Conference of the International Society of Differentiation	Poster	Oct. 2006 Innsbruck, Austria
١١٣.	Generation of dorsal cell types of the neural tube from mouse embryonic stem cells	Najafi F, <u>Baharvand H.</u> , Hatami M, Farrokhi A, Massumi M, Zare N.	14 th International Conference of the International Society of Differentiation	Poster	Oct. 2006 Innsbruck, Austria
١١٤.	Isolation of stem cells and differentiation of human ESCs into hepatocytes	<u>Baharvand H.*</u>	The role of stem cells in treatment of gastrointestinal and liver disease	Oral	July 27 th 2006
١١٥.	Differentiation of human embryonic stem cells into functional hepatocyte-like	<u>Baharvand H.*</u> Hashemi SM, Farrokhi A,	4 th ISSCR Annual	Poster	Canada, June 2006 (travel

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	cells in two- and three dimensional culture systems in vitro	Shahsavani M.	Meeting		award winner)
۱۱۶.	Can notochord induce differentiation of embryonic stem cell into neurons?	Anjomshoa M, Nasr Esfahani MH*, Baharvand H. , Karbalaeei Kh, Ghodratnama R.	4 th ISSCR Annual Meeting	Poster	Canada, June 2006
۱۱۷.	Specification of diverse cell types of dorsal half of the neural tube from mouse embryonic stem cells by BMP-4	Najafi F*, Baharvand H. , Hatami M, Massumi M, Zare N.	4 th ISSCR Annual Meeting	Poster	Canada, June 2006
۱۱۸.	Charachteristics of human limbal epithelial stem cells during the expansion on denuded amniotic membrane	Ebrahimi M, Baharvand H. , Javadi MA, Massumi M, Piryaei A.	4 th ISSCR Annual Meeting	Poster	Canada, June 2006
۱۱۹.	Differentiation of cholinergic neurons by lineage selection method from mouse embryonic stem cells	Homayouni Moghadam F, Nasr Esfahani MH, Karbalaeei Kh, Ghodratnama R, Baharvand H.	4 th ISSCR Annual Meeting	Poster	Canada, June 2006
۱۲۰.	Differentiation mouse embryonic stem cells to β -like cells by a novel four-step protocol using BMP-4 and all-trans retinoic acid following exposure to serially reducing serum concentration	Pirouz M, Baharvand H. , Mohabatkari H, Farrokhi A, Jafari H, Khodadadi L.	4 th ISSCR Annual Meeting	Poster	Canada, June 2006
۱۲۱.	Induction of human embryonic stem cells into neural differentiation by increasing cyclic-adenosine monophosphate	Hatami M, Baharvand H. , Massumi M.	4 th ISSCR Annual Meeting	Poster	Canada, June 2006
۱۲۲.	First experience of local implantation of autologous CD 133 ⁺ bone marrow stem cell for myocardial regeneration in Iran	Baharvand H. , Ahmadi H, Kazemi Ashtiani S, Soleimani M, Sadaghian H, Madjd Ardekani J, Marzban M, Zare N, Kouhkan A, Madani-Civi M, Namiri M.	4 th ISSCR Annual Meeting	Poster	Canada, June 2006
۱۲۳.	Transplantation of human embryonic stem cell-derived neural-like tubes in spinal cord injury model	Zare Mehrjerdi N, Baharvand H. , Hatami M, Kiani S.	4 th ISSCR Annual Meeting	Poster	Canada, June 2006
۱۲۴.	Human embryonic stem cells: concepts and potentials	Baharvand H.*	Introduction to new	Oral	Iran, 18/May/200

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			technologies in medicine		6
۱۲۵.	Embryonic stem cells and germ cell differentiation	Baharvand H.*	12 th Iranian Fertility and Infertility Congress	Oral	Iran, 9-10 March 2006
۱۲۶.	Differentiation of mouse embryonic stem cells into haematopoietic cells	Atashi A*, Soleimani M, Baharvand H. , Massumi M.	1 st Iranian Biotechnology Students Meeting	Oral	Iran, Nov. 2005
۱۲۷.	A novel method for differentiation of embryonic stem cells into hematopoietic cells	Atashi A, Soleimani M, Baharvand H. , Massumi M.	XXX th World Congress of International Society of Haematology	Poster	Turkey, Sept. 28-Oct. 2, 2005
۱۲۸.	Dose mouse spleen niche affect on the expression of human globins genes?	Massumi M, Soleimani M, Baharvand H. , Atashi A	XXX th World Congress of International Society of Haematology	Poster	Turkey, Sept. 28-Oct. 2, 2005
۱۲۹.	Expresion of endoderm and liver-specific genes after differentiation of human embryonic stem cells	Hashemi SM*, Baharvand H. , Farrokhi A.	8 th Iranian Congress of Biochemistry & the 1 st International Congress of Biochemistry & Molecular Biology	Oral	Iran, 11-15 Sept. 2005
۱۳۰.	Differential Gene Expression During Culture of Human limbal Stem Cells	Ebrahimi* M, Baharvand H. , Javadi M.A, Sigarodi P, Masoumi M, Mollamohammadi S.	International Symposium on Stem Cells	Oral	Mumbai, India, 18-21 Sept. 2005
۱۳۱.	Differentiation of human embryonic stem cells into hepatocytes in vitro	Hashemi M, Baharvand H*	International Symposium on Stem Cells	Oral	Mumbai, India, 18-21 Sept. 2005
۱۳۲.	The effect of fibroblast growth factor on differentiation of mouse embryonic stem cells into cardiomyocytes	Khezri Sh*, Rezazadeh Valojerdi M, Sepehri H, Baharvand H.	13 th Iranian Biology Conference & the 1 st International Conference of Biology	Oral	Iran, 23-25 Aug. 2005
۱۳۳.	The effect of protein kinase inhibition on neural differentiation of human mesenchymal stem cells	Hashemi SM*, Baharvand H. , Massumi M.	13 th Iranian Biology Conference & the 1 st	Oral	Iran, 23-25 Aug. 2005

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۱۳۴.	The effect of fibroblast growth factor on differentiation of mouse embryonic stem cells-derived cardiomyocytes	Khezri Sh, Sepehri H, <u>Baharvand H.</u> Rezazadeh Valojerdi M.	21st Annual Meeting of the European Society of Human Reproduction and Embryology	Poster presentation	Denmark, 19-22 June, 2005
۱۳۵.	Hepatocyte differentiation from human embryonic stem cells	Hashemi SM, <u>Baharvand H.</u>	13 th world congress of IVF	Oral Presentation	Istanbul, Turkey, 26-30 May, 2005
۱۳۶.	The evaluation of chronotropic properties of mouse cardiomyocytes after fibroblast growth factor treatment	Khezri Sh, Rezazadeh Valojerdi M, Sepehri H, <u>Baharvand H.</u>	13 th world congress of IVF	Oral Presentation	Istanbul, Turkey, 26-30 May, 2005
۱۳۷.	Embryonic stem cells: Establishment, properties and differentiation	<u>Baharvand H.</u>	International symposium on stem cells, NCEMB, Punjab university, Lahore, Pakistan	Oral	2003 Dec 7-8
۱۳۸.	Establishment of new embryonic stem cell lines from Balb/c and C57BL/6 mouse strains	<u>Baharvand H.</u> Matthaie KI.	10 th annual meeting of Middle East Fertility Society (MEFS), Lebanon	Oral	2003 Dec, 10-13
۱۳۹.	The ultrastructure of mouse embryonic stem cells	<u>Bahavand H.</u> Matthaie KI.	4 th Biennial Alpha Conference	Poster P22	2003, Sep 25-27
۱۴۰.	Establishment of New Embryonic stem cell lines from the C57BL/6 and BALB/c Mouse strains	<u>Bahavand H.</u> Matthaie KI.	4 th Biennial Alpha Conference	Poster P21	2003, Sep 25-27
۱۴۱.	In vitro differentiation of embryonic stem cells into functional neurons	<u>Bahavand H.</u> Matthaie KI.	4 th Biennial Alpha Conference	Oral O41	2003, Sep 25-27
۱۴۲.	Effect of electrical	Nasr-Esfahani MH, Darabi	4 th Biennial	Oral	2003,

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	activation post ICSI on fertilization and embryo development rate in severe-teratospermic patients	MR, Eimani H, <u>Baharvand H.</u>	Alpha Conference	O43	Sep 25-27
۱۴۳.	Effect of vitrification on survival of inner cell mass of in vitro produce bovine blastocysts	Nasr-Esfahani MH, Karimi H, <u>Baharvand H.</u> , Eimani H, Mardani M, Matthaei MI.	4 th Biennial Alpha Conference	Poster P 72	2003, Sep 25-27
۱۴۴.	Comparison of different culture systems on blastocyst production from immature bovine oocyte	Nasr-Esfahani MH, Sadeghi H, <u>Baharvand H.</u> , Eimani H, Mardani M.	4 th Biennial Alpha Conference	Poster P 71	2003, Sep 25-27
۱۴۵.	Effect of different voltage and duration on production of tetraploid blastocyst from 2-cell bovine embryos	Nasr-Esfahani MH, Darabi MR, <u>Baharvand H.</u> , Eimani H, Mardani M.	4 th Biennial Alpha Conference	Poster P 70	2003, Sep 25-27
۱۴۶.	Influence of Direct electrical (DC) pulsing on murine oocyte maturation and development	Eimani H, Rezazadeh M, Nasr-Esfahani MH, <u>Baharvand H.</u> , Kazemi H, Shahverdi A.	4 th Biennial Alpha Conference	Poster P 73	2003, Sep 25-27
۱۴۷.	Separation of X-and Y-bearing mouse spermatozoa by discontinuous pure sperm and albumin gradients for sex preselection	Kazemi S, Farhadi M, Sarbazi F, Afsharian P, <u>Baharvand H.</u>	4 th Biennial Alpha Conference	Poster P10	2003, Sep 25-27
۱۴۸.	Differentiation of embryonic stem cells in vitro	<u>Baharvand H.</u> , Matthaei K, Farzaneh P.	John Curtin School of medical research, Canberra, Australia	Oral	2002
۱۴۹.	Establishment of new murine embryonic stem cells, ultrastructure, differentiation into neurons in vitro	<u>Baharvand H.</u> , Matthaei K, Farzaneh P.	John Curtin School of medical research, Canberra, Australia	Oral	2002
۱۵۰.	In vitro differentiation of mouse embryonic stem cells into functional neurons	<u>Baharvand H.</u> , Matthaei KI.	2 nd Iranian congress of neuroscience, Shahid Beheshti university of medical sciences	Oral	2002, Nov 29-31
۱۵۱.	Establishment of a new murine embryonic stem cell	<u>Baharvand H.</u> , Matthaei KI.	2 nd Iranian congress of	Oral	2002

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۱۵۲.	Separation of X and Y bearing mouse spermatozoa e by discontinuous Pure-Sperm gradient for sex preselection	Farhadi M, Kazemi S, Afsharian P, <u>Baharvand H.</u> frootan SS.	9 th annual meeting of Middle East Fertility Society (MEFS), Egypt	Poster, 97-98	2002 Oct 30-2Nov
۱۵۳.	Limbal stem cell culture	<u>Baharvand H.</u>	12 th Iranian congress of Ophthalmology	Oral	2002
۱۵۴.	Improvement of blastocyst development by sequential culture media with co-culture 2 days after zygote retrieval	<u>Baharvand H.</u> , Rezazadeh Valojerdi M.	the 1 st Iranian cong. on applied biology, Mashhad, Iran	Abstract book, 206,Poster	2001 Feb, 6-7
۱۵۵.	Interaction of essential and nonessential amino acids and macromolecule-supplemented media are effective in blastocyst collapse	<u>Baharvand H.</u> , Rezazadeh Valojerdi M.	the 1 st Iranian cong. on applied biology, Mashhad, Iran	Abstract book, 207,Poster	2001 Feb, 6-7
۱۵۶.	Effect of co-culture of ampullary cells of hamster oviduct on mouse embryo development, cleavage and ultrastructure	<u>Baharvand H.</u> , Rezazadeh Valojerdi M.	the 1 st Iranian cong. on applied biology, Mashhad, Iran	Abstract book, 215,Poster	2001 Feb, 6-7
۱۵۷.	Production of in- house-sequential culture media and their effects on improvement of preimplantation mouse development	<u>Baharvand H.</u> , Rezazadeh Valojerdi M.	the 1 st Iranian cong. on applied biology, Mashhad, Iran	Abstract book, 216,Poster	2001 Feb, 6-7
۱۵۸.	Embryo development after fusing blastomers of 2-cell mouse embryos by electrofusion	<u>Baharvand H.</u> , Rahbar S, Movahedin M, Afsharian P.	the 1 st Iranian cong. on applied biology, Mashhad, Iran	Abstract book, 41,Oral	2001 Feb, 6-7
۱۵۹.	Overcoming to Blastocyst Collapse and Improvement of Blastocyst Development by Modified Combination of Sequential Culture Media and Co-culture	<u>Baharvand H.</u> , Rezazadeh Valojerdi M.	17 th annual Meet. European Society of Human Reproduction and embryology (ESHRE), lausan, Swiss	Oral	2001, July, 1-4
۱۶۰.	Improvement of blastocyst development in vitro and	<u>Baharvand H.</u>	second Royan international	Oral	12-13 Sep.,

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	overcoming the blastocyst collapse and its effective factor(s) in sequential culture media		research award (Infertility and Reproductive Health)		2001
۱۶۱.	Effect of Ascorbate on long-term cultures of mouse embryos development in sequential culture media	Afsharian P, Baharvand H.	8 th annual meeting of Middle East Fertility Society (MEFS), Bahrain, Manameh	Poster, P-104	2001 Nov, 7-10
۱۶۲.	Effect of transferin-supplemented sequential culture media on the mouse preimplantation embryos	Shahverdi A, Baharvand H.	8 th annual meeting of Middle East Fertility Society (MEFS), Bahrain, Manameh	Poster, P-94	2001 Nov, 7-10
۱۶۳.	Effect of co-culture of ampullary cells of hamster oviduct on mouse embryo development, cleavage and ultrastructure	Kazemi Ashtiani, Baharvand H.	8 th annual meeting of Middle East Fertility Society (MEFS), Bahrain, Manameh	Poster, P-93	2001 Nov, 7-10
۱۶۴.	Embryo development after fusing of blastomers of 2-cell mouse embryos by electrofusion	Baharvand H. , Rahbar S, Afsharian P, Kazemi Ashtiani S.	8 th annual meeting of Middle East Fertility Society (MEFS), Bahrain, Manameh	Poster, P-107	2001 Nov, 7-10
۱۶۵.	Pregnancy in infertile patients with special disease	Vosugh A, Kazemi Ashtiani S, Shahverdi A, Rahbar S, Baharvand H.	8 th annual meeting of Middle East Fertility Society (MEFS), Bahrain, Manameh	Poster, P-106	2001 Nov, 7-10
۱۶۶.	Relationship between pregnancy outcome and some parameters of infertile couples	Kazemi S, Shahverdi A, Rahbar S, Baharvand H.	8 th annual meeting of Middle East Fertility Society (MEFS), Bahrain, Manameh	Poster, P-92	2001 Nov, 7-10
۱۶۷.	Development of vitrified one	Movaghar B, Movahedin	5 th Congress of	Poster,	Nov., 2001

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	cell mouse embryos in MEM-a medium with and without co-culture.	M, Rezazadeh M, <u>Baharvand H</u>	Society of Anatomical sciences of Iran, Tehran	464	
۱۶۸.	Effect of vero cells co-culture on the development of vitrified 8-cell mouse embryos.	Ghanei M, Movahedin M, Rezazadeh M, <u>Baharvand H</u>	5 th Congress of Society of Anatomical sciences of Iran, Tehran	Poster, 464	Nov., 2001
۱۶۹.	Effect of sequential culture media with co-culture on vitrified-thawed one cell mouse embryo development in vitro.	Movaghar B, Movahedin M, Rezazadeh M, <u>Baharvand H</u>	9 th Congress of fertility and infertility Society of Iran	Poster 464	Nov., 2001
۱۷۰.	Effect of vero cell co-culture in R2 medium on the development of vitrified-thawed 8-cell mouse embryos.	Ghanei M, Movahedin M, Rezazadeh M, <u>Baharvand H</u>	9 th Congress of fertility and infertility Society of Iran	Poster, 464	Nov., 2001
۱۷۱.	Resumption of immature mouse oocytes: Roll of two direct electrical pulses	Eimani H, Rezazadeh Valojerdi M, Kazemi S, Nasr MH, <u>Baharvand H</u> , Shahverdi H.	14 th international congress of geographic medicine and 15 th Iranian congress of physiology and pharmacology	Poster, P-1-34	2001
۱۷۲.	Sequential media and blastocyst transfer	<u>Baharvand H</u>	Avesina Institute (Reproductive Biology and Biotechnology of Infertility), Tehran, Iran	Oral	2000
۱۷۳.	High viability blastocyst transfer: a new method in infertility treatment	<u>Baharvand H</u> , Rezazadeh Valojerdi M.	6 th annual meeting of Ob & Gyn, Tehran, Iran	Oral	2000
۱۷۴.	Preimplantation genetic diagnosis	<u>Baharvand H</u>	Shahid Beheshti Uni. Nurse and midwifery college, Tehran, Iran	Oral	2000
۱۷۵.	Essential amino acids in sequential media could be a	<u>Baharvand H</u> , Rezazadeh Valojerdi M.	16 th annual Meet. European	Hum Reprod. 15, abstract	2000

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	collapsing factor for long-time blastocyst culture.		Society of Human Reproduction and embryology (ESHRE), Bologna, Italy	book,163, Poster	Jun, 25-28
١٧٦.	Fine structure of mouse embryos developed either in medium or in co-culture with ampullary epithelial cells of hamster oviduct	Baharvand H. Rezazadeh Valojerdi M.	Joint UK fertility societies meeting, Edinburgh	J Reprod Fertil, abstract book 25, 77,Poster	2000 31 st Jul-2 nd Aug
١٧٧.	Secreted 20 kD protein from rat epithelium has a critical role in fertilization	Sadeghi MR, Akhondi MM, Zahrae M, Baharvand H.	Joint UK fertility societies meeting, Edinburge	J Reprod Fertil, abstract book 25,93, Poster	2000 31 st Jul-2 nd Aug
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