

Curriculum Vitae

Dr. MARYAM PASHAIASL: Professor of Reproductive
Biology

Address Faculty of Advanced Medical Sciences
Tabriz University of Medical Sciences, Tabriz, Iran
TEL: 04133355789

Email: pashaim@tbzmed.ac.ir
pashaimaryam@yahoo.com

Educational Qualifications

Postdoc, Fertility preservation 2016-2017
Melbourne IVF, Royal Women's Hospital
Melbourne University

PhD, Reproductive Biology, Centre for Reproduction and 2006-2010
Development (CRD), Monash Institute of Medical Research
(MIMR), Monash University)
Clinical Embryology, Department of Obstetrics and
Gynaecology, CRD, MIMR, Monash University

M.D Degree, Tabriz University of Medical Sciences 1998 - 1991
Faculty of Medicine, Tabriz, Iran

Work Experiences

2021-present Dean of Faculty, Faculty of Advanced Medical Sciences

2021-present Head of Clinical Research Development Unit, Alzahra
Educational and Treatment Center

2020-present Head of IVF Lab, Infertility Treatment Center, Alzahra Educational
and Treatment Centre

2018-present Research Deputy, Obstetrics & Gynaecology (Al-zahra) Hospital

Deputy of General Medical Education, Department of Anatomical
Sciences

2011-Present Academic Member & Researcher & Lecturer, Faculty of Medicine
Affiliated Academic Member of Faculty of Advanced &
Medical Sciences, Tabriz University of Medical Sciences

Clinical Embryologist 2013-2018
Infertility Centre of Obstetrics & Gynaecology Al-Zahra-
Hospital, Tabriz University of Medical Sciences, Tabriz, Iran

IPS cells characterization
,Immunohistochemistry and Histochemistry Staining
Karyotyping
;hellip;………&

Publications, Conference Proceedings and Presentations

Maryam Lale Ataei, Mohammad Karimipour, Parviz Shahabi, Hamid Soltani-Zangbar, Maryam Pashaiasl*, Human Mesenchymal Stem Cell Transplantation Improved Functional Outcomes Following Spinal Cord Injury. Concomitantly with Neuroblast Regeneration. Advanced Pharmaceutical Bulletin, 2022/10, doi: [10.34172/apb.2023.058](https://doi.org/10.34172/apb.2023.058)

*Corresponding author

Zahra Shakoory, Roghiyeh Pashaei-Asl, Maryam Pashaiasl, Soodabeh Davaran, Hossein Ghanbari, Esmail Ebrahimie, Seyed Mahdi Rezayat Biocompatibility study of P (N-isopropylacrylamide)-based nanocomposite and its cytotoxic effect on HeLa cells as a drug delivery system for Cisplatin, Journal of Drug Delivery Science and Technology, 2022/5/1, doi.org/10.1016/j.jddst.2022.103254

Lale Ataei M, Karimipour M, Shahabi P, Pashaei-Asl R, Ebrahimie E, Pashaiasl M*. The Restorative Effect of Human Amniotic Fluid Stem Cells on Spinal Cord Injury Cells. 2021 Sep 28;10(10):2565. doi: [10.3390/cells10102565](https://doi.org/10.3390/cells10102565). *Corresponding author

Ezzati M, Shanebandi D, Bahramzadeh B, Hamdi K, Pashaiasl M*. Investigation of molecular cryopreservation, fertility potential and microRNA-mediated apoptosis in Oligoasthenoteratozoospermia men. Cell Tissue Bank. 2021 Mar;22(1):123-135. doi: [10.1007/s10561-020-09872-x](https://doi.org/10.1007/s10561-020-09872-x). Epub 2020 *Corresponding author

Javadi M, Soleimani Rad J, Pashaiasl M, Farashah MSG, Roshangar L. Reprod Biol. The effects of plasma-derived extracellular vesicles on cumulus expansion and oocyte maturation in mice. 2021 Dec 11;22(1):100593. doi: [10.1016/j.repbio.2021.100593](https://doi.org/10.1016/j.repbio.2021.100593)

Ezzati M, Shanebandi D, Bahramzadeh B, Hamdi K, Pashaiasl M*. Investigation of molecular cryopreservation, fertility potential and microRNA-mediated apoptosis in Oligoasthenoteratozoospermia men. Cell Tissue Bank. 2021 Mar;22(1):123-135. doi: [10.1007/s10561-020-09872-x](https://doi.org/10.1007/s10561-020-09872-x). Epub 2020 Oct 15. *Corresponding author

M Ezzati, M Pashaiasl, Apoptosis related-microRNAs in Oligoasthenoteratozoospermia and Azoospermia men may reveal novel study of freezing damage, Human Reproduction, Volume 36, Issue Supplement1, July 2021, deab130.053, P-054, ESHRE <https://alzahrahosp.tbzmed.ac.ir/https://doi.org/10.1093/humrep/deab130.053>

Sadeghzadeh Oskouei B, Zargari S, Shahabi P, Ghaffari Novin M, Pashaiasl M*. Design and Microfabrication of An On-Chip Oocyte Maturation System for Reduction of Apoptosis

Cell J. 2021 Apr;23(1):32-39. doi: [10.22074/cellj.2021.7056](https://doi.org/10.22074/cellj.2021.7056). Epub 2021 Mar 1.

*Corresponding author

Sara Rahbar , Maryam Pashaiasl*, Maryam Ezzati, Yadollah Ahmadi AsrBadr, Manijeh Mohammadi-Dehcheshmeh, Seyed Abolgasem Mohammadi, Marefat Ghaffari Novin. MicroRNA-based Regulatory Circuit Involved in Sperm Infertility, Andrologia: 2019,

Accepted, *Corresponding author

Faramarz Rahmatizadeh, Jafar Soleimani Rad, Shiva Gholizadeh-Ghaleh Aziz, Maryam LaleAtaei, Manijeh Mohammadi-Dehcheshmeh, Maryam Pashaiasl. Reduction in the viability of human cervical cancer HeLa cell line via indirect co-culture with amniotic fluid- derived mesenchymal stem cells, *Advanced Pharmaceutical Bulletin(APB)*, 2019, Accepted, *Corresponding author

Faramarz Rahmatizadeh, Shiva Gholizadeh-Ghaleh Aziz, Esmaeil Ebrahimie, Maryam LaleAtaei, Jafar Soleimani Rad, Maryam Pashaiasl: Bidirectional and opposite effects of Na⁺ve Mesenchymal Stem Cells on tumor growth and progression, *International Journal of Women's Health and Reproduction Sciences*, 2019, Accepted, *Corresponding author

Gholizadeh-Ghaleh Aziz S, Fardiyazar Z, Pashaei-Asl F, Rahmati-Yamchi M, Khodadadi K, Pashaiasl M*. Human amniotic fluid stem cells (hAFSCs) expressing p21 and cyclin D1 genes retain excellent viability after freezing with (dimethyl sulfoxide) DMSO. *Bosn J Basic Med Sci.* 2019 Feb 12;19(1):43-51. doi: 10.17305/bjbms.2018.2912. *Corresponding author

Gholizadeh-Ghaleh Aziz S, Fardiyazar Z, Pashaiasl M. The human amniotic fluid mesenchymal stem cells therapy on, SKOV3, ovarian cancer cell line. *Mol Genet Genomic Med.* 2019 May 20:e726. doi: 10.1002/mgg3.726 *Corresponding author

Rahbar S, Novin MG, Alizadeh E, Shahnazi V, Pashaei-Asl F, AsrBadr YA, Farzadi L, Ebrahimie E, Pashaiasl M. New insights into the expression profile of MicroRNA-34c and P53 in infertile men spermatozoa and testicular tissue. *Cell Mol Biol.* 2017 Aug 30; 63(8):77-83. doi: 10.14715/cmb/2017.63.8.17. *Corresponding author

.Pashaei-Asl F, Pashaei-Asl R, Khodadadi K, Akbarzadeh A, Ebrahimie E, Pashaiasl M Enhancement of anticancer activity by silibinin and paclitaxel combination on the ovarian cancer. *Artif Cells Nanomed Biotechnol.* 2017 Sep 8:1-5. doi: 10.1080/21691401.2017.1374281. *Corresponding author

Pashaei-Asl R, Pashaei-Asl F, Mostafa Gharabaghi P, Khodadadi K, Ebrahimi M, Ebrahimie E, Pashaiasl M. The Inhibitory Effect of Ginger Extract on Ovarian Cancer Cell Line; Application of Systems Biology. *Adv Pharm Bull.* 2017 Jun; 7(2):241-249. doi: 10.15171/apb.2017.029. Epub 2017 Jun 30. *Corresponding author

Pashaei-Asl R, Khodadadi K, Pashaei-Asl F, Haqshenas G, Ahmadian N, Pashaiasl M, Hajhosseini Baghdadabadi R. Legionella Pneumophila and Dendrimers-Mediated Antisense Therapy. *Adv Pharm Bull.* 2017 Jun; 7(2):179-187. doi: 10.15171/apb.2017.022. Epub 2017 Jun 30. Review. *Corresponding author

Shakoori Z, Ghanbari H, Omid Y, Pashaiasl M, Akbarzadeh A, Jomeh Farsangi Z, Rezayat SM, Davaran S. Fluorescent multi-responsive cross-linked P(N-isopropylacrylamide)-based nanocomposites for cisplatin delivery. *Drug Dev Ind Pharm.* 2017 Aug; .43(8):1283-1291. doi: 10.1080/03639045.2017.1313859. Epub 2017 Apr 18

Shiva Gholizadeh-Ghalehaziz; Fatima Pashaei-Asl ; Zahra Fardiyazar; Maryam Pashaiasl:

Isolation, Characterization, Cryopreservation of Human Amniotic Fluid Stem Cells and Differentiation to Osteogenic and Adipogenic Cells, *PLoS One*. 2016, 11(7):e0158281. doi: 10.1371/journal.pone.0158281 *Corresponding author

Pashaiasl M, Khodadadi K, Kayvanjoo AH, Pashaei-Asl R, Ebrahimie E, Ebrahimi M: Unravelling evolution of Nanog, the key transcription factor involved in self-renewal of undifferentiated embryonic stem cells, by pattern recognition in nucleotide and tandem repeats characteristics. *Gene*. 2016 Mar 10; 578(2):194-204 *Corresponding author

Pashaiasl M, Ebrahimi M, Ebrahimie E. Identification of the key regulating genes of diminished ovarian reserve (DOR) by network and gene ontology analysis. *Molecular Biology Reports*. 2016:1-15. *Corresponding author

Behnaz Sadeghzadeh Oskouei, Maryam Pashaiasl, Mohammad Hasan Heidari, Mohammad Salehi, Hadi Veladi, Firuz Ghaderi Pakdel, Parviz Shahbi, Marefat Ghaffari Novin: Evaluation of Mouse Oocyte In Vitro Maturation Developmental Competency in Dynamic Culture Systems by Designing and Construction of A Lab on A Chip Device and its Comparison with Conventional Culture System. *Cell Journal*, 2016, Vol 18, No 2, Jul-Sep

Shiva Gholizadeh-Ghaleh Aziz; Ezzatollah Fathi; Mohammad Rahmati-Yamchi; Zahra Fardyazar; Maryam Pashaiasl: An update clinical application of amniotic fluid-derived stem cells (AFSCs) in cancer cell therapy and tissue engineering, *Artificial Cells, Blood Substitutes, and Biotechnology*, Published online: 10 Aug 2016 *Corresponding author

Soheila Motaalia, Maryam Pashaeiasl, Abolfazl Akbarzadeha, Soodabeh Davaran: Synthesis and characterization of smart N-isopropylacrylamide-based magnetic nanocomposites containing doxorubicin anti-cancer drug, *Artificial Cells, Blood Substitutes, and Biotechnology*, 2016 May 19:1-8, 2016

Gholizadeh-Ghalehaziz S, Farahzadi R, Fathi E, Pashaiasl M: A Mini Overview of Isolation, Characterization and Application of Amniotic Fluid Stem Cells. *Int J Stem Cells*. 2015 .Nov; 8(2):115-20

Pashaiasl M, Khodadadi K, Richings NM, Holland MK, Verma PJ, Cryopreservation and .long-term maintenance of bovine embryo-derived cell lines, *Reprod Fertil Dev*. 2013 Jul

Khodadad Khodadadi, Huseyin Sumer, Maryam Pashaiasl, Susan Lim, Mark Williamson, Paul J. Verma, Induction of Pluripotency in Adult Equine Fibroblasts without c-MYC, (*Stem Cells International* Volume 2012 (2012

Kobra Hamdi , Maryam Vaezi, Behrooz Dagigazar, Mahzad Mehrzad Sadagiani , Laya Farzadi, Maryam Pashaei-Asl , Association between Thrombophilia and Repeated Assisted Reproductive Technology Failures, *Advanced Pharmaceutical Bulletin*, 2012, 2(2): 233-237
Corresponding author*

M. Pashaiasl, Kh. Khodadadi, M. K. Holland, P.J. Verma, The efficient generation of cell lines from bovine parthenotes, *Cell Reprogram*. 2010 Oct; 12(5):571-9

Shiva Gholizadeh, Fatemeh Pashaeiasl, Rogieh Pashaeiasl, Hamideh Azimi, Ezzatollah Fathi, Mohammad Rahmati, Zahra Fardiyazar, Maryam Pashaiasl, Evaluation the potential anticancer effects of human amniotic fluid derived stem cells (hAFDSCs) on ovarian cancer cells in vitro, *oral presentation, Accepted and published in 6th World Congress on Cells & Stem Cell Research, USA, 2016*

Behnaz Sadeghzadeh, Maryam Pashaei Asl, Mohammad Hasan Heidari, Mohammad Salehi, Hadi Veladi, Firuz Ghaderi Pakdel, Marefat Ghaffari Novin, A lab-on-a-chip device for embryo production: through in vitro oocyte maturation to in vitro fertilization, Lab-on-a-Chip-Europe, *Madrid, Spain, Accepted poster, 2016*

Maryam Pashaiasl, Sara Rahbar, Effat Alizadeh, Yadollah Ahmadi, Laya farzadi, Vahideh Shahnazi, Fatima Pashaei-Asl, Marefat Ghaffari Novin, Evaluation of molecular markers, antioxidant enzymes activity and DNA fragmentation in semen of infertile patients, *Annual meeting of the Endocrine Society of Australia and Society for Reproductive Biology and Australia and New Zealand Bone and Mineral Society 2016*

Behnaz Sadeghzadeh , Maryam Pashaei Asl, Mohammad Hasan Heidari, Mohammad Salehi, Hadi Veladi, Firuz Ghaderi Pakdel, Marefat Ghaffari Novin, Mouse oocyte maturation by an innovative microfluidic chip, Lab-on-a-Chip, *Microfluidics & Microarrays World Congress and Point-of-Care Diagnostics & Global Health World Congress, Singapore, 2015*

Behnaz Sadeghzadeh , Maryam Pashaei Asl, Mohammad Hasan Heidari, Mohammad Salehi, Hadi Veladi, Firuz Ghaderi Pakdel, Marefat Ghaffari Novin, Mouse in vitro oocyte maturation in microfluidic dynamic culture system by designing and Construction of a novel microfluidic device, *Select Biosciences, UK, Accepted Poster, 2015*

Shiva Gholizadeh, Maryam Pashaiasl, Zahra Fardiyazar Ezzatollah Fathi Raheleh Farahzadi
Fatemaeh Pashaiasl, Optimize Successful Vitrification of Human Amniotic Fluid-Derived Mesenchymal Stem Cells, *International Congress: Stem Cells and Regenerative Medicine Mashhad, Accepted Poster, 2015*

Shiva Gholizadeh, Maryam Pashaiasl, Zahra Fardiyazar Ezzatollah Fathi Raheleh Farahzadi
Fatemaeh Pashaiasl, Comparison of proliferation of amniotic fluid stem cells were isolated sources, 1st International and 9th National Biotechnology Congress of Islamic republic of Iran, May 2015, Shahid Beheshti University, Tehran, Iran, *Accepted Poster, May 2015*

Gholizadeh Sh, Pashaiasl M, Fardiyazar Z, Fathi E, Farahzadi R., Pashaiasl F, Characterization And Comparing Of Amniotic Fluid Stem Cells Before And After Freezing *.Royan International Twin Congress, Accepted Poster, September 2-4, 2015*

Verma P, Pashaei Asl M, Khodadadi Kh, Richings NM, Holland M, Cryopreservation and Long-term Maintenance of Bovine Embryo-Derived Cell Line, *Royan International Twin Congress 15th Congress on Reproductive Biomedicine 3-5 September 2014, Oral presentation, Invited Speaker*

Pashaei Asl M, Kayvanjoo AH, Pashaei Asl F, Lotfinejad M, Soleimani Rad J, Ebrahimi M, Comparing Expression Patterns of Endometrial Genes in Implantation Failures and Recurrent Miscarriages with Fertile Couples Following ICSI/IVF Using in Silico Analysis, Royan International Twin Congress 15th Congress on Reproductive Biomedicine 3-5 .September 2014, *Oral presentation*

M. Pashaei Asl, F. Pashaei Asl, A.H. Kayvanjoo, S. Daneshpooy, J. soleimani Rad, M. Ebrahimi, Identifying the key regulating genes in DOR by studying interaction and enriched sub-networks pathways, *Accepted poster, 30th Annual Meeting of ESHRE, Munich, Germany, 29 June – 2 July, 2014*

Shiva Gholizadeh, Maryam Pashaiasl, Zahra Fardiazar Ezzatollah Fathi Raheleh Farahzadi, Evaluate Proliferation of the Amniotic Fluid Derived Stem Cells (AFDSCs) in Different Condition at Cell Culture, *the 8th International and 13th National Congress on .Quality Improvement in Clinical Laboratories, Accepted Poster, 2014*

Pashai Asl M, Khodadadi K, Holland M, Verma P. Parthenote embryos as a source of histocompatible cells foe cell-based therapy, *2012, 3rd International and 18th National .Congress of Iranian Society for Reproductive Medicine, Oral presentation*

M. Pashai Asl, Kh. Khodadadi, NM. Richings, MK. Holland, PJ. Verma (2010). Effect of inhibitors of signalling pathways on derivation of pluripotent cell Lines from bovine IVP embryos and parthenotes, *Accepted Poster, 11th Royan International Twin Congress, .Tehran, Iran*

Maryam Pashai Asl, Khodadad Khodadadi, Nadine M. Richings, Michael K. Holland, Paul J. Verma (2010), Derivation of embryonic stem cell lines from parthenote , Iranian Ph.D .students Conference (Australia-New Zealand), *Oral presentaton*

M. Pashai Asl, Kh. Khodadadi, M. K. Holland, P.J. Verma (2009) Comparison of putative bovine ESC lines derived from parthenotes and in vitro produced embryos, *Australian .Society for Stem Cell Research (ASSCR), Australia*

M. Pashai Asl, Kh. Khodadadi, M. K. Holland, P.J. Verma (2008) Investigation of pluripotency in derived Embryonic Stem Cell (ESC) lines, *Accepted Poster, ESA-SRB, .Annual Scientific Conference, Australia*

M. Pashai Asl, Kh. Khodadadi, K. Zang, M. K. Holland, P.J. Verma (2008) Establishing bovine embryonic stem-like cell lines and optimizing cryopreservation techniques, *Accepted Poster, 9 th International Congress on Reproductive Biomedicine and 4th .Congress on Stem Cells Biology and Technology, Tehran, Iran*

M. Pashai Asl, Kh. Khodadadi, N. Richings, P. Bello, M. K. Holland, P.J. Verma (2008) Embryonic stem like-cell lines derived from parthenotes, *Accepted Poster, 6th Annual .Meeting of International Society for Stem Cell Research (ISSCR), Pennsylvania, USA*

M. Pashai Asl, N.M. Richings, K. Zhang, M.K. Holland, P.J Verma (2007), Generation of feeder-free and LIF-independent bovine ES cell lines, *8th Royan International Twin .Congress, Tehran, Iran, Oral presentaton*

M. Pashai Asl, N.M. Richings, K. Zhang , M.K. Holland M, P.J Verma (2007), Derivation and long-term maintenance of bovine stem cell lines, *Accepted poster, 5th Annual Meeting International Society for Stem Cell Research, Cairns, Australia*

طراحی و ساخت ریزتراشه بلوغ آزمایشگاهی تخمک) ثبت اختراع 8/5/97 & 96301)

سیاوش زرگری، هادی ولادی*، بهناز صادق زاده اسکویی، پرویز شهابی، جواد فرونچی، مریم پاشائی اصل،
مقاله نشریه: مهندسی برق « شماره 3

اثر ضد سرطانی سیلیبیین بر روی رده سلولی سرطان اپیتلیالی تخمدان و بررسی بیان ژن P21

فاطمه پاشائی اصل، مریم پاشائی اصل*،
مقاله نشریه: دانشگاه علوم پزشکی اردبیل « شماره 61

اثر سمیت توام پکلی تاکسل و سیلیبیین بر روی رده سلول سرطانی آندومتر

آمنه بصیری، مریم پاشایی اصل*،
مقاله نشریه: دانشگاه علوم پزشکی اردبیل « شماره 61

تأثیر سیلیبیین بر القاء آپوپتوز و مهار رشد سلولی در رده سلولی M CF-7 سرطان پستان

سید محمدباقر پیروزپناه، سعید پیروزپناه، مهدی سبزیچی، رقیه پاشایی اصل، مریم پاشایی اصل، ناصر
صمدی*،

مقاله نشریه: علوم تغذیه و صنایع غذایی ایران « (پیاپی 37)، زمستان 1393 شماره 4

Students and projects supervision

Supervised & Supervising 1. 10 PhD students

Internal Medicine residents 3 .2

Master students 5 .3

M.D students 3 .4

Projects

Investigation of the effects of some graphene nano-layers derivatives on human cumulus cells (Ph.D project)

Assessment the effect of freezing on the microRNAs involved in spermatogenesis (and their correlation with apoptosis in the sperm of infertile men (Ph.D project)

Effect of plasma-driven exosomes on cumulus expansion and fertility rate in mice in vitro (Ph.D project)

Design and development of microfluidic chip to improve oocyte maturation and development of the mammalian preimplantation embryo: comparison with (conventional static culture systems (Ph.D project)

Identification of key regulating genes in diminished ovarian reserve (DOR) by network and gene ontology analysis

Comparing of feature genes in implantation failure & recurrent miscarriage patients with fertile couples following ICSI/IVF

Assessment of relationship between microRNA and its target genes sperm with apoptosis, DNA fragmentation, reactive oxygen species in male infertility (Ph.D project).

Isolation and characterization of amniotic fluid stem cells & its antitumor therapeutic (application in ovarian cancer (Ph.D project)

Investigation of the effects of amniotic fluid derived stem cells on survival, cell cycle (and apoptosis of cervical cancer cell line- Hela (C115) (Ph.D project)

In vivo and in vitro differentiation of amniotic fluid stem cells to neural cells and
(therapeutic effects on spinal cord injuries (Ph.D project

Determining the regulatory networks of NANOG, SOX2 and POU5F1

In-vitro synthesis of N- isopropyl acrylamide-containing copolymers prepared from
(smart Nanogel Cisplatin and its effects on Hela cell apoptosis (Ph.D project

Investigation of doxorubicin loaded with magnetic nanoparticles based on PNIPAAm
(co-polymer for drug delivery in ovarian cancer therapy (Master project

Silibinin and Paclitaxel Combination Effect on Ovarian Cancer cell line (Master
(Project

Cytotoxic Effect of Silibinin and Paclitaxcel Combination in Human Endometrial
(Cancer Cell Line (Master Project

The effects of Silibilin on transcription levels of apoptotic factors in breast carcinoma
(cell lines (Master Project

Effect of Ginger on Apoptotic Gene Expression in SKOv-3 Ovarian Cancer Cell Line

Investigation of relationship between phenotypic and genotypic refractory
rheumatoid arthritis patients with mutation in exon 10 of the gene MEFV in northwest
(of Iran (Medical specialty residency project

Mutation of pyrin E148Q in patients with refractory rheumatoid arthritis (Medical
(specialty residency project

Investigation of effective genes, proteins specially AMH as important markers in
(ovarian reserve (M.D Project

Bioinformatic analysis of Nanog genes to determine the expressing agents at
(proteomics in order to produce iPSCs (M.D Project

Comparing effective endometrial genes & proteins in implantation failures & recurrent
miscarriages with fertile couples following ICSI/IVF using bioinformatics analysis
(M.D Project

Memberships

Australian Stem Cells Society

Society for Reproductive Biology- Australia

Iranian Medical Organization

Iranian Society of Embryology and Reproductive Biology

.Iranian Society for Reproductive Medicine

Research Interests

Reproductive Biology: (ART, Embryology, Oocyte, Sperm, Reproductive Ethic, Human
(;assisted conception, Implantation, Endometrium, Ovary, SCNT, ...&hellip

Stem Cells (Embryonic stem cells, Adult Stem cells, AFSCs, Cancer Stem cells, induced
(pluripotent stem cells (iPSCs). …&hellip

Cancer (Reproductive system…….), Cancer Treatment & Drug test