

Publication Number	Assignee	In vitro	In vivo	Composition	Method of making	Use/diagnostic use	Cell type	Tissue of origin	Therapy	Device
US6090782	Pro-Neuron, Inc.	X	X			X	X hematopoietic		X	
US 5599703	The United States of America as represented by the Secretary of the Navy	X	X		X Isolation and coculturing		X human bone marrow CD34.sup.+ stem and progenitor cells, including primitive stem cells	X Bone marrow	X method of engrafting human bone marrow CD34.sup.+ stem and progenitor cells in a human	
US 5610056	Amgen Inc. Tosoh Corporation	X	X		X proliferation and differentiation of said hematopoietic cells		X hematopoietic cells		X method for producing erythroid cells for hematopoietic cell transplantation in a subject	
US5807744	Boehringer Mannheim GmbH	X	X		X		X bone marrow cells		X	
US5942496	The Regent of The University of Michigan	X	X		X		X bone progenitor cells	X bone progenitor tissue	X	
US 5981165	NeuroSpheres Holdings Ltd.	X	X		X		X multipotent neural stem cell	X juvenile or adult neural tissue	X	
US 5981211	Regents of the University of Minnesota	X	X		X		X bone marrow stem cells	X bone marrow	X	
US5997865"	Brian D. Bennett et al.	X	X		X		X hematopoietic		X	
US6022540"	Osiris Therapeutics, Inc.	X	X		X		X mesenchymal stem cell		X	
US6022848	Pro-Neuron, Inc.	X	X		X		X hematopoietic		X	
US 6066318	G. D. Searle & Co.	X	X		X		X hematopoietic stem cells		X	
US 6143293	Carnegie Mellon University of Pittsburgh	X	X	X	X		X mesenchymal stem cells		X	
US6165783	NeuroSpheres Holdings Ltd.	X	X		X		X multipotent neural stem cells		X	
US 5665350	University of Massachusetts Medical Center	X	X				X pluripotent hematopoietic stem cells		X Cell transplantation	

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US5869039	Institut National de la Sante et de la Recherche Medicale	X	X				X hematopoietic stem cells		X	
US5911983	University of Pittsburgh	X	X	X			X hematopoietic progenitor cell		X	
US6060052	Systemix, Inc.	X	X				X hematopoietic stem cells		X	
US 5697901	APPLIED TISSUE TECHNOLOGIES, LLC, WELLESLEY HILLS, MA	X	X		X method for introducing genetic material into a cell with a microneedle				X method for delivering genetic material into a human or non-human subject by introducing genetic material into a cell with a microneedle	
US 5656724	Repligen Corporation	x	x						X method for protecting myeloid progenitor cells from chemotherapeutic agents and radiation used by administering IL	
US6146623	Nexell Therapeutics, Inc.	X	X		X	X	X neutrophil progenitor cells			
US5981830	Schering Aktiengesellschaft Washington University	X	X	X transgenic mouse		X transgenic mouse	X embryonic stem cell			
US6149902	Yale University	X	X			X	X precursor cell			
US 5783566	California Institute of Technology, Pasadena, CA	X	X		X method for administering genetic material to cells		X hematopoietic progenitor cells			
US5906984	Arizona Board of Regents on behalf of The University of Arizona U.S. Bioscience	X	X		X		X hematopoietic progenitor cells			
US5928947	California Institute of Technology	X	X		X		X neural crest stem cell			

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US5942435	The Board of Trustees of the University of Illinois Biotechnology Research and Development Corp.	X	X	X embryonic stem cell	X		X embryonic stem cell			
US 5591717	The Ohio State Research Foundation	X	X				X erythrocyte progenitor cells and lymphocyte progenitor cells			
US5830462	President & Fellows of Harvard College Board of Trustees of Leland S. Stanford, Jr. University	X	X		X					
US 5637323	The United States of America as represented by the Department of Health and Human Services		X		X method of isolating		X hematopoietic stem cells	blood	X method of transplanting an increased number of hematopoietic stem cells AND method of improving engraftment of a peripheral blood leukocyte transplant	
US5928638	Systemix, Inc.		X		X		X hematopoietic		X	
US5977181	Cold Spring Harbor Laboratory		X		X		X of hematopoietic stem cells		X	
US 5614187	The General Hospital Corporation The United States of America as represented by the Department of Health and Human Services		X				X hematopoietic stem cells		X providing said recipient with a cell - recipient species bone marrow hematopoietic stem cells having inserted therein DNA encoding an antigen to inhibit immune response after transplantation	

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US 5635156	University of Pittsburgh		X				X hematopoietic stem cell		X method for conditioning a recipient for bone marrow transplantation	
US 5649904	Sandoz Ltd. Istituto Nazionale Per Lo Studio E La Cura Dei Tumori		X				X haemopoietic progenitor cell		X	
US 5655546	Alan A. Halpern		X				X Mesenchymal cell	X BONE MARROW	X method for repairing a defect in cartilage	
US 5662895	Sloan-Kettering Institute		X				X hematopoietic progenitor cells		X enhancing hematopoietic recovery in: allogeneic or autologous bone marrow progenitor cell transplantation or treating or preventing neutropenia in patients by administering a therapeutically effective dose of purified pluripotent CSF	

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US 5695755	Thalia Paoayannopoulou		x				X hematopoietic stem cells		X Peripheralizing hematopoietic stem cells by administering an anti-VLA-4 antibody, collecting peripheral blood, enriching the cells using antibodies, administer chemotherapy to the patient, return the enriched cells to the blood.	
US 5728377	Board of Regents, The University of Texas System (Austin, TX) ; Indiana University Foundation (Bloomington, IN) ; Sloan-Kettering Institute for Cancer Research (New York, NY)		X				X hematopoietic progenitor cells		X improved method for chemotherapy of a cancer patient employing an antineoplastic agent having bone marrow toxicity, by treating patient with a hematopoietic progenitor cell inhibitory amount of IP-10	
US 5733542	Osiris Therapeutics, Inc. Baltimore, Maryland		X				X mesenchymal stem cells		X bone marrow engraftment	

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US 5760012	Thomas Jefferson University		X				X hematopoietic stem cell		X method of repairing a mutation in a hepatocyte of a human subject, which comprises removing a hepatocyte from a subject, having a disease caused by the presence of a CRV-repairable mutation in the hepatocyte, and introducing a nucleic acid into the removed cell	
US 5762926	The Regents of the University of California		X				X Bone marrow cells, stem cells		X method for treating defective, diseased or damaged cells in the mammalian central nervous system comprising grafting genetically modified donor cells into the central nervous system of a subject	

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US 5763416	The Regent of the University of Michigan		X				X bone progenitor cells	X bone progenitor tissue	X Method of repairing a tissue site by transferring an osteotropic gene in association with a structural bone-compatible matrix to bone progenitor cells located within a bone progenitor tissue site of an animal where nucleic acid segment transfers into said cells	X osteotropic device, comprising an osteotropic gene capable of expression in bone progenitor cells, the gene associated with an amount of a structural bone-compatible matrix effective to absorb said gene

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US 5773460	Universite De Montreal, Montreal, CA		X				X Stem cell of bone marrow	X Bone marrow	X photodynamic therapy of a patient suffering from leukemias, disseminated multiple myelomas or lymphomas by harvesting pateint's bone marrow; treating with radiation and performing autologous stem cell transplantation using the purged bone marrow	
US 5788976	WBK, Inc., Diablo, CA		X				X Bone stem cell		X method for promoting new bone growth in a patient in need of bone repair of a bone defect site by recovering a portion of the cancellous bone of said patient in finely divided form together with all constituent components thereof including blood, marrow and bone stem cell elements	
US5800539	Emory University		X				X bone marrow cells		X	
US5806529	Yeda Research and Development Co. Ltd.		X				X T-cell-depleted stem cells		X	

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US5811089	Centr Embrionainikh Tkanev "Emcell"		X				X of human hematopoietic liver cells, human hematopoietic spleen cells		X	
US5811094	Osiris Therapeutics, Inc.		X				X human mesenchymal stem cells	X Bone marrow	X	
US5817773	New York University Sloan-Kettering Institute for Cancer Research		X				X hematopoietic progenitor cells		X	
US 5824297	Oncogene Science, Inc.		X				X Epwthelial stem cell		X	
US 5824304	Thalia Paoayannopoulou		x				X HEMATOPOEITIC STEM CELL		x	
US5830859	Ossacur AG		X				X bone stem cells		X	
US 5842477	Advanced Tissue Sciences, Inc.		X				X mesenchymal stem cells		X	
US5843423	Immunex Corporation		X				X hemapoeitic stem or progenitor cells		X	
US5846529	Nexell Therapeutics, Inc.		X				X neutrophil precursors		X	
US 5858347	G. D. Searle & Co.		X				X hematopoietic cells		X	
US5858963	BioTransplant, Inc.		X				X porcine bone marrow cells		X	
US 5871724	O.S.I. Pharmaceuticals Inc.		X				X hematopoietic progenitor cells		X	
US 5871767	Brown University Research Foundation		X				X neural stem cells		X	
US5876692	The University of Pittsburgh		X				X hematopoietic stem cells		X	
US5876708	The General Hospital Corporation		X				X hematopoietic stem cells		X	
US5880090	The Hope Heart Institute		X				X endothelial progenitors	X Bone marrow	X	

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US5888499	Nexell Therapeutics, Inc.		X				X human neutrophil precursor cells		X	
US 5888983	Thomas Jefferson University		X				X hematopoietic stem cell		X	
US 5891724	Queen's University at Kingston		X				X hematopoietic stem cell		X	
US5906934	Morphogen Pharmaceuticals, Inc. North Shore University Hospital Research Corporation		X				X isolated mesenchymal stem cells		X	
US5914108	Systemix, Inc.		X				X hematopoietic stem cell		X	
US5928639	Hadasit Medical Research Services and Development Ltd.		X				X autologous stem cell		X	
US5935565	Sloan-Kettering Institute for Cancer Research		X				X STEM CELL		X	
US 5939456	Trustees of Boston University		X				X erythroid or myeloid progenitor cells		X	
US5948426	Steven R. Jefferies		X				X mammalian stem cells		X	X
US5955432	Terrapin Technologies, Inc.		X				X hematopoietic progenitor cells		X	
US 5965564	Cell Therapeutics, Inc.		X				X hematopoietic stem cells		X	
US5980885	NeuroSpheres Holdings Ltd.		X				X transplanting multipotent neural stem cell		X	
US5980887	St. Elizabeth's Medical Center of Boston		X				X endothelial progenitor cell		X	
US6006752	The General Hospital Corporation		X				X hematopoietic stem cells		X	
US6010696	Osiris Therapeutics, Inc.		X				X mesenchymal stem cells and (ii) hematopoietic progenitor cells		X	

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US6013067	ZymoGenetics, Inc.		X				X bone marrow cells or peripheral blood stem cells	X bone marrow cells or peripheral blood stem cells	X	
US6015554	Systemix, Inc.		X				X human hematopoietic progenitor cells		X	
US6017527	Immunex Corporation		X				X hematopoietic stem or progenitor cells		X	
US6060049"	Ximerex, Inc.		X				X lymphocytic progenitor cells		X	
US6096731	Institute for Drug Research, Inc.		X				X hematopoietic cell		X	
US6117850	The Collaborative Group, Ltd.		X				X peripheral blood precursor cells		X	
US6165785	University of Cincinnati Shriners Hospitals for Children		X				X stem cells		X	
US 5514364	University of Pittsburgh		X						X Combination of bone marrow transplantation with radiation	
US 5633234	The Johns Hopkins University		X						X method of treatment for a cancer patient after resection of a neoplastic tumor by administering to said patient said stem cells containing said chimeric DNA segment	

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US 5650148	The Regents of the University of California		X						X method for treating defective, diseased or damaged cells in the mammalian central nervous system by grafting genetically modified donor cells	
US 5674843	Celtrix Pharmaceuticals, Inc.		X						X method for increasing the numbers of circulating stem cells in a subject by administering TGF.beta.-1; drawing peripheral blood; removing stem cells from the blood; and after the myelosuppressive therapy, administering the stem cell to the recipient	
US 5843435	Hadasit Medical Research Services and Development Ltd. Baxter International Inc.		X						X	
US5942222	The Rockefeller University		X						X	

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US6018096	Surrogen, Inc.		X	X chimeric, non-human, genetically immunocompetent mammal	X	X MAKE chimeric, non-human, genetically immunocompetent mammal	X human hematopoietic stem cells			
US 5574205	Cell Genesys, Inc.		X			X Making a genetically engineered mouse by transfecting embryonic stem cells and determining the effectiveness of a therapeutic agent in preventing transplant rejection in that mouse	X embryonic stem cells			

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US 5650550	The United States of America as represented by the Department of Health and Human Services		X	X murine embryonic stem cell		X	X murine embryonic stem cell			
US 5675059	The Ontario Cancer Institute		X	X		X A mutant mouse comprising disrupted alleles of the IRF-2 gene, the disruption being introduced into the mouse or an ancestor of the mouse at an embryonic stage using an embryonic stem cell line	X embryonic stem cell line			
US 5684222	Ontario Cancer Institute		X	X embryonic stem cell		X Mutant mouse	X embryonic stem cell			

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US 5698765	The Ontario Cancer Institute		X	X Embryonic stem cell line		X Mutant mouse	X Embryonic stem cell line			
US 5698766	The Regents of the University of California		X			X Mutant mouse	X embryonic stem cell			
US 5714667	Amgen Canada Inc.		X			X Mutant mouse	X Embryonic cell			
US 5750825	Chugai Seiyaku Kabushiki Kaisha, Tokyo, JP		X			X genetically engineered mouse having a disrupted endothelin e-1 gene by rendering the endothelin e-1 gene contained in the genome of the embryonic stem cells defective	X embryonic stem cell			
US 5750826	Merck & Co., Inc.		X			X transgenic mouse	X embryonic stem cells			

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US5821235	Baylor College of Medicine		X			X	X intestinal epithelial progenitor cells			
US5869718	Jean-Pierre Julien		X			X	X mouse embryonic stem cells			
US 5922927	BASF Aktiengesellschaft		X			X a transgenic mouse	X embryonic stem cells			
US5955645	Ortho Pharmaceutical Corp.		X	X transgenic mouse		X transgenic mouse	X embryonic stem cells			
US5994617	HSC Research Development Corporation		X	X chimeric mouse		X making a chimeric mouse	X human hematopoietic stem cells			
US5994618	Johns Hopkins University School of Medicine		X	X transgenic mouse		X transgenic mouse	X embryonic stem cell			
US6002066	Ortho Pharmaceutical Corp.		X	X A transgenic mouse		X transgenic mouse	X embryonic stem cell			
US6002067	The University of British Columbia		X	X A transgenic mouse		X	X embryonic stem cells			
US6008434	Johns Hopkins University School of Medicine		X	X A transgenic mouse		X A transgenic mouse	X mouse embryonic stem cell			
US6008435	The Regents of the University of California		X	X transgenic mouse		X transgenic mouse	X mouse embryonic stem cell			
US 6011018	Board of Trustees of Leland Stanford Jr. University President and Fellows of Harvard College		X			X	X STEM CELL			

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US 6028244	California Institute of Technology		X			X producing a transgenic mouse	X embryonic stem cell			
US 6054436	Board of Trustees of Leland S. Stanford Jr. Univ. President & Fellows of Harvard College		X			X	X STEM CELL OR PROGENITOR CELL			
US 6066778	The Regents of the University of Michigan		X			X transgenic mouse	X embryonic stem cell			
US6075181	Abgenix, Inc.		X			X transgenic mouse	X embryonic stem cell			
US6077990	Ortho-McNeil Pharmaceutical, Inc.		X			X transgenic mouse	X mouse embryonic stem cell			
US 6080910	Case Western Reserve University		X			X transgenic mouse	X embryonic stem cell			
US 6080911	Ohio University		X			X transgenic mouse	X mouse embryonic stem cell			
US 6100444	University of Rochester Medical Center		X			X transgenic mouse	X embryonic stem cell			
US6100445	BASF Aktiengesellschaft		X			X transgenic mouse	X mouse embryonic stem cell			
US 6127598	The Regents of the University of California		X			X transgenic mouse	X embryonic stem cell			
US 6133503"	The Regents of the University of California		X			X	X embryonic stem cell			
US6136040	Washington University		X			X	X embryonic stem cell			

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US 6147275	Research Development Foundation		X			X transgenic mouse	X embryonic stem cells			
US6162963	Abgenix, Inc.		X	X		X transgenic mouse	X mouse embryonic stem cell			
US6166289	Ortho-McNeil Pharmaceutical, Inc.		X			X transgenic mouse	X mouse embryonic stem cell			
US 5605822	The Regents of The University of Michigan		X Ex-vivo		X proliferation, expansion, or both, by culturing human hematopoietic cells		X human hematopoietic cells			
US 5635386	The Regents of The University of Michigan		X Ex-vivo		X method for controlling cellular lineage development of hematopoietic cellular system		X Hematopoietic stem cell or progenitor cell; human peripheral blood mononuclear cells, human bone marrow cells, human fetal liver cells, human cord blood cells, human spleen cells			
US 5650147	The Rockefeller University		X		X method of stimulating granulocyte-macrophage progenitor cells by adding cytokine		X granulocyte-macrophage progenitor cells			

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US 5731490	The Ontario Cancer Institute		X	X embryonic stem (ES) cell line	X Mutant mouse		X embryonic stem (ES) cell			
US 5777195	The Rockefeller University		X		X Knockout mouse		X Embryonic stem cell			
US 5786340	Baylor College of Medicine		X		X method for introduction of a nucleic acid cassette into intestinal epithelial progenitor cells		X intestinal epithelial progenitor cells			
US5925568	British Biotech Pharmaceuticals Limited		X		X		X hematopoietic			
US6071889	NeuroSpheres Holdings Ltd.		X		X		X multipotent neural stem cells			
US 5625122	The Ontario Cancer Institute		X	X			X Embryonic stem cell			
US 5674841	Genetics Institute, Inc.		X				X hematopoietic stem cells			
US5792901	The Regents of the University of California		X				X a mouse embryonic stem cell			
US5814300	Cephalon, Inc.		X	X			X embryonic stem cell			
US5932779	Millennium Pharmaceuticals, Inc.		X	X			X embryonic stem cell			
US 5538713	Systemix, Inc.		X		X introducing hemopoietic stem cells into an implanted bone primordium					
US5843438	Board of Regents University of Washington		X		X					
US 5484770	Hafslund Nycomed Bioreg AS		X							

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US5798113	Brown University Research Foundation		X							
US5856301	British Biotech Pharmaceuticals Limited		X							
US 5616612	American Cyanamid Company	X			X method of enhancing the growth of bone marrow progenitor cells		X bone marrow progenitor cells		X method of enhancing the growth of bone marrow progenitor cells in a mammal treated with chemotherapeutic agent or exposed to radiation	
US 5736396	Case Western Reserve University	X Ex vivo			X lineage-directed differentiation		X mesenchymal stem cells		X method of treating an individual in need of mesenchymal cells of a particular mesenchymal lineage	
US5837507	The Regents of the University of California Humphries; Keith Sauvageau; Guy	X		X	X		X hematopoietic stem cells		X	
US5843425	The General Hospital Corporation	X		X hematopoietic stem cells	X		X hematopoietic stem cells		X	
US5846958	U.S. Bioscience, Inc. Arizona Board of Regents on Behalf of the University of Arizona	X			X		X stimulating hematopoietic progenitor cells		X	
US 6074639	G. D. Searle & Co.	X			X		X STEM CELL		X	

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US 5670147	Regents of the University of Michigan	X Ex vivo		X ex vivo cell culture composition comprising human stem cells wherein said human stem cells are rendered mitotic ex vivo			X human hematopoietic stem cells or human bone marrow cells		X In an autologous or an allogeneic human bone marrow transplantation, culturing (i) human bone marrow cells or (ii) a cellular composition comprising human hematopoietic stem cell with ex vivo human stem cell division therein,	
US 5672346	Indiana University Foundation	X					X Hematopoietic stem cell		X	
US5834441	Rhone-Poulenc Rorer Pharmaceuticals Inc.	X			X				X	
US 5580724	Board of Regents, The University of Texas System	X			X stimulating fetal cell growth	X analyzing fetal cells for genetic content or abnormalities	X fetal cells from maternal blood			

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US 5677139	President and Fellows of Harvard College	X			X coculturing in vitro a monolayer of non-human primate thymic stromal cells with primate hematopoietic T cell progenitor cells	X comparing differentiation or growth of the T cell progenitor cells, or descendants thereof, exposed to the agent to the differentiation or growth of control T cell progenitor cells or descendants thereof as a determination of the effect of the agent	X T cell progenitor cells			

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US 5759774	COBE Laboratories, Inc.	X			X Method of forming stem cells bound to a solid support	X method of detecting in vitro the presence or absence of a ligand in a fluid sample by bringing it into contact with stem cells bound to a solid support	X Stem cell in general			
US5834308	University of Florida Research Foundation, Inc.	X			X	X	X mammalian pancreatic stem cells			

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US 5670372	Vanderbilt University	X				X method of screening factors for the ability to promote the formation of embryonic stem cells by combining primordial germ cells with factors and determining the formation of embryonic stem cells	X embryonic stem cells			

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US 5693482	California Institute of Technology	X				X method for assaying the effect of a substance on neural crest stem cells	X neural crest stem cells			
US 5741706"	Immusol, Incorporated, San Diego, CA	X				X method of inhibiting the expression of an HIV nucleic acid in an isolated cell	X hematopoietic stem cell			

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US 5750864	Epitope, Inc.	X				X method for delaying wound-induced ripening of fruit of a fruit-bearing plant, comprising transforming progenitor cells of the plant	X progenitor cells of the plant			
US 5763197	Systemix, Inc.	X				X method for identifying the presence of a growth factor that affects the self-regeneration of human hematopoietic stem cells	X hematopoietic stem cells			

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US 5766880	Queen's University at Kingston	X		X A transformant hematopoietic stem cell		X method for preparing an isolated multidrug resistance-associated protein comprising culturing a transformant host cell including a recombinant expression vector	X hematopoietic stem cell			

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US 5783383	The Board of Trustees of the Leland Stanford Junior University	X				X detecting cytomegalovirus (CMV) in a tissue sample including hematopoietic stem cells	X hematopoietic stem cells	X Human tissue, bone marrow and blood		
US5800811	Epeius Biotechnologies Corporation	X		X		X MKE AN ARTIFICIAL SKIN	X mesenchymal stem cells			
US5824084	The Cleveland Clinic Foundation	X				X	X connective tissue progenitor cells	X Bone marrow		
US5827740	Osiris Therapeutics, Inc.	X		X mesenchymal stem cells		X	X mesenchymal stem cells			
US 5858740"	Cell Genesys, Inc.	X		X		X	X hematopoietic stem cells			
US 5874099	Brown University Research Foundation	X				X	X NEURAL STEM CELLS			
US5902741	Advanced Tissue Sciences, Inc.	X		X		X	X mesenchymal stem cells			
US5906938	Board of Regents of the University of Washington	X				X	X hematopoietic			
US5908784	Case Western Reserve University	X		X		X	X mesenchymal precursor cells			

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US5912173	The United States of America as represented by the Department of Health and Human Services	X				X	X embryonic stem cells			
US5928945	Advanced Tissue Sciences, Inc.	X				X	X chondrocyte stem cells			X
US5939598	Abgenix, Inc.	X				X a transgenic mouse	X embryonic stem cell			
US5948428	Stryker Corporation	X				X	X progenitor cell is an osteoblast			X
US5958774	Centre National de la Recherche Scientifique	X		X primitive quiescent hematopoietic stem cells		X	X primitive quiescent hematopoietic stem cells			
US5965437	Beth Israel Deaconess Medical Center, Inc.	X				X	X quiescent pluripotent hematopoietic progenitor cells			
US5985660	Systemix, Inc.	X				X	X dendritic progenitor cell			
US5994619	University of Massachusetts, A Public Institution of Higher Education of the Commonwealth of Massachusetts, as Represented by its Amherst Campus	X				X	X ICM progenitor cells from a bovine or porcine preblastocyst stage embryo			
US5994620	The Jackson Laboratory	X				X	X embryonic stem cell			
US6004528	Ivan Bergstein	X				X	X cancer stem line			

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US 6027744	University of Massachusetts Medical Center The Children's Medical Center Corporation	X		X		X	X neural stem cells			
US6033906	California Institute of Technology	X				X	X mammalian neural stem cell			
US6048964	Stryker Corporation	X				X	X mammalian progenitor cell			
US6093531"	NeuroSpheres Holdings Ltd.	X		X		X	X mammalian multipotent neural stem cell progeny			
US 6139578	Etex Corporation	X				X	X mesenchymal stem cells			
US 5480827	Inoteb	X		X Solid support containing cultured bone marrow cells (1)	X Method of culturing bone marrow cells on solid support (1)		X bone marrow cells (1)			
US 5523226	Biotechnology Research and Development Corp. Board of Trustees of the University of Illinois	X		X embryonic stem cell obtained from a culture that is capable of forming a tumor in a SCIDS mouse	X obtaining an embryonic stem cell from a culture that is shown to be capable of producing a tumor		X embryonic stem cells			

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US 5534423	Regents of the University of Michigan	X			X infecting or transfecting target cells with vectors		X hematopoietic stem cells			
US 5556783	Trustees of Univ. of Penna New York Univ.	X		X Product by process	X Culturing hair follicular stem cells		X hair follicular stem cells			
US 5556954	Beth Israel Hospital Boston Association	X			X Enhancing specific gene expression in hematopoietic stem cells		X hematopoietic stem cells			
US 5580714	Celox Laboratories, Inc.	X			X Method of cryopreserving and thawing stem cells; method of using them in therapy		X hematopoietic stem cells, hematopoietic progenitor cells, CD 34+ cells and umbilical cord blood cells			
US 5589369	Cell Genesys Inc. The President and Fellows of Harvard College	X			X method for making mammalian embryonic stem cells which are homozygous for disrupted target loci		X malian embryonic stem cells			
US 5599705	Robert B. Cameron	X			X Isolation, culturing and differentiation		X pluripotent hematopoietic bone marrow stem cells			
US 5605829	Regents of the University of Minnesota	X			X Culturing and differentiation		X hematopoietic cells			
US 5612205	GenPharm International, Incorporated	X			X method for generating a DNA segment inside an embryonic cell		X embryonic cell			

Publication Number	Assignee	In vitro	In vivo	Composition	Method of making	Use/diagnostic use	Cell type	Tissue of origin	Therapy	Device
US 5612206	Introgene B.V.	X			X method for preparing primate bone marrow cells containing a DNA sequence of interest		X bone marrow cells			
US 5612211	New York University Sloan-Kettering Institute For Cancer Research	X			X culturing		X hematopoietic progenitor cells			
US 5614397	Board of Trustees of the Leland Stanford Junior University	X			X method for increasing the lifespan of a mammalian hematolymphoid cell by using a transgenic hematopoietic stem cell		X hematopoietic stem cell			
US 5631219	Somatogen, Inc.	X			X enhancing growth or differentiation of mammalian progenitor stem cells by administration of hemoglobin.		X erythroid progenitor cells			
US 5635387	CellPro, Inc.	X			X method for increasing the number of human hematopoietic precursor cells		X hematopoietic precursor cells			
US 5639618	Plurion, Inc.	X			X		X pluripotent embryonic stem cell			

Publication Number	Assignee	In vitro	In vivo	Composition	Method of making	Use/diagnostic use	Cell type	Tissue of origin	Therapy	Device
US 5643741	Systemix, Inc.	X			X method for identifying the presence of human hematopoietic stem cells in a hematopoietic cell sample		X hematopoietic stem cells			
US 5646043	Regents of the University of Michigan	X Ex vivo			X culturing		X hematopoietic stem cell			
US 5654183	California Institute of Technology	X		X isolated cellular composition of genetically engineered mammalian neural crest stem cells	X		X neural crest stem cells			
US 5656498	Nippon Telegraph and Telephone Corporation	x			X method for manufacturing freeze-dried blood cells, stem cells, and platelets		X hemopoietic stem cells			
US 5656601	Berlin-Chemie AG	x			X method of stimulating growth of bone marrow stem cells		X bone marrow stem cells			

Publication Number	Assignee	In vitro	In vivo	Composition	Method of making	Use/diagnostic use	Cell type	Tissue of origin	Therapy	Device
US 5658761	Gsf-Forschungszentrum fur Umwelt und Gesundheit GmbH	x			X co-culturing hematopoietic stem cells with growth arrested, adherent stromal cells		X hematopoietic stem cells			
US 5665557	Systemix, Inc. The Toronto Hospital Research Institute	X		X hematopoietic cells enriched for megakaryocyte progenitor cells	X method of obtaining and expanding a composition substantially enriched in a subpopulation of hematopoietic stem cells		X hematopoietic cells enriched for megakaryocyte progenitor cells			

Publication Number	Assignee	In vitro	In vivo	Composition	Method of making	Use/diagnostic use	Cell type	Tissue of origin	Therapy	Device
US 5670351	The Regents of the University of Michigan	X Ex vivo		X ex vivo human stem cell composition in which a substantial number of human stem cells originating from a human hematopoietic system have undergone ex vivo cell division	X genetic transformation by exposing human hematopoietic stem cells to a gene transfer vector, and culturing thereby providing ex vivo human stem cell division		X human hematopoietic stem cells or human bone marrow cells			
US 5672499	California Institute of Technology	X			X immortalizing isolated neural crest stem cells by contacting with an immortalization gene		X neural crest stem cells			
US 5677136	Systemix, Inc.	X			X		X human hematopoietic cells			

Publication Number	Assignee	In vitro	In vivo	Composition	Method of making	Use/diagnostic use	Cell type	Tissue of origin	Therapy	Device
US 5681559	Systemix, Inc.	X			X method for obtaining a cell population enriched in hematopoietic stem cells using fluorescently labeled antibodies which bind specifically to CD34		X hematopoietic stem cells	X fetal or neonatal cells		
US 5686278	Indiana University Foundation	X		X	X increasing the frequency of transduction of hematopoietic cells by a replication-defective recombinant retrovirus vector		X hematopoietic cells			
US 5700691	Baxter Healthcare Inc., Irvine, CA	X			X Isolation and culturing		X hematopoietic progenitor cells			
US 5721367	Pharming B.V. (Leiden, NL)	X			X method for generating a DNA segment inside an embryonic cell		X embryonic stem cell			
US 5728581	Systemix, Inc.	X			X Expanding hematopoietic stems cells		X hematopoietic stems cells			
US 5733541	The Regent of the University of Michigan	X			X propagating and maintaining the immature morphology of mammalian hematopoietic cells		X hematopoietic cells			

Publication Number	Assignee	In vitro	In vivo	Composition	Method of making	Use/ diagnostic use	Cell type	Tissue of origin	Therapy	Device
US 5733727	Indiana University Foundation	X		X embryonic stem cell having introduced DNA encoding a marker gene enabling selection of a cardiomyocyte cell lineage from other cell lineages resulting from the differentiation of the stem cells	X Transfecting, culturing, differentiate,		X embryonic stem cells			
US 5744347	Ohio University Edison	X		X murine stem cells	X		X murine stem cells			
US 5744361	Indiana University	X			X		X hematopoietic stem cells			
US 5744442	Bristol Meyers Squibb Company McMaster University	X			X		X erythroid-committed stem cells			

Publication Number	Assignee	In vitro	In vivo	Composition	Method of making	Use/diagnostic use	Cell type	Tissue of origin	Therapy	Device
US 5750376	NeuroSpheres Holdings Ltd.	X		X genetically modified neural stem cell	X Making genetically modified neural stem cell		X neural stem cell	X juvenile or adult mammalian neural tissue		
US 5753505	Emory University	X			X		X neuronal progenitor cells	X mammalian brain		
US 5753506	CNS Stem Cell Technology, Inc., Bethesda, MD	X			X		X stem cells of the central nervous system	X central nervous system tissue		
US 5756325	Thomas Jefferson University	X			X method of introducing a predetermined alteration in a target gene of the genome of a cultured cell		X Embryonic stem cell			
US 5759764	Celox Laboratories, Inc.	X			X cryopreserving		X hematopoietic stem or progenitor cells	X umbilical cord blood		
US 5766902	Therexsys Limited, London, GB	X			X Method of delivering a nucleic acid molecule to haematopoietic stem cell by exposing the population of cells to a complex comprising the nucleic acid molecule and a ligand which binds to the target cell		X haematopoietic stem cell			

Publication Number	Assignee	In vitro	In vivo	Composition	Method of making	Use/diagnostic use	Cell type	Tissue of origin	Therapy	Device
US 5766944	Margaret Eileen Ruiz	X			X process of expanding and differentiating bone marrow-derived stem cells into immunocompetent T cells; process of coculturing		X bone-marrow derived stem cells	X bone-marrow		
US 5766951	Quality Biological, Inc., Gaithersburg, MD	X			X method for growing normal cells from human bone marrow which comprises;		X Bone marrow cells			
US 5767086	Terrapin Technologies, Inc., South San Francisco, CA	X			X method to stimulate the differentiation of bone marrow		X bone marrow			
US 5770414	The Regents of the University of California	X		X	X Transfecting a neuronal progenitor cell with a vector to produce a recombinant retrovirus		X neuronal progenitor cell			

Publication Number	Assignee	In vitro	In vivo	Composition	Method of making	Use/diagnostic use	Cell type	Tissue of origin	Therapy	Device
US 5772994	The University of Pittsburgh	X		X composition comprising mammalian hematopoietic cells with the retention of mammalian hematopoietic facilitatory cells which hematopoietic facilitatory cells are capable of facilitating engraftment of bone marrow cells	X method for obtaining a cellular composition having at least about 95% mammalian hematopoietic facilitatory cells		X hematopoietic cells			
US 5773224	Peter Grandics et al.	X			X		X hematopoietic stem cells, fetal cells from the peripheral blood of pregnant women			

Publication Number	Assignee	In vitro	In vivo	Composition	Method of making	Use/diagnostic use	Cell type	Tissue of origin	Therapy	Device
US 5776773	The Babraham Institute, Cambridge, GB	X			X		X embryonic stem cell			
US 5776781	Systemix, Inc.	X			X method of measuring cells in a sterile environment		X hematopoietic stem cell			X sterile system for measuring at least one property of a sample of cells
US 5780300	Yale University	X			X Expanding and cell proliferation		X hematopoietic precursor cell, epithelial precursor cell, liver precursor cell,			
US 5789215	GenPharm International, San Jose, CA	X			X method for modifying the genome of a target cell		X embryonic stem cell			
US 5792632	Institut Pasteur, Paris, FR	X		X A recombinant stem cell	X Method of making a recombinant stem cell expressing a polypeptide		X Stem cell			
US5804446	The Picower Institute for Medical Research	X			X		X hematopoietic stem cells			
US5807686	Regents of University of Minnesota Rhone-Poulenc Rorer Pharmaceuticals	X		X	X		X quiescent human hematopoietic stem cells			
US5808008	Sloan-Kettering Institute for Cancer Research	X			X		X hematopoietic progenitor cells			

Publication Number	Assignee	In vitro	In vivo	Composition	Method of making	Use/diagnostic use	Cell type	Tissue of origin	Therapy	Device
US5811301	Robert B. Cameron	X			X		X pluripotent hematopoietic stem cells			
US5814440	Systemix, Inc.	X			X		X hematopoietic stem cells			
US5821108	The Board of Trustees of the Leland Stanford Junior University	X			X		X progenitor cells			
US5824489	California Institute of Technology	X			X		X mammalian neural crest stem cells			
US 5824547	Takara Shuzo Co., Ltd.	X			X		X hematopoietic stem cells, peripheral blood stem cells, umbilical blood cells			
US5827735	MorphoGen Pharmaceuticals, Inc.	X		X Purified pluripotent mesenchymal stem cells	X		X Purified pluripotent mesenchymal stem cells			
US5827742	Beth Israel Deaconess Medical Center, Inc.	X			X		X pluripotent hematopoietic progenitor cells			
US5830651	Signal Pharmaceuticals, Inc.	X		X	X		X pre-oligodendroglial stem cell			
US5830701	Tao Medical Electronics Co., Ltd.	X			X		X hematopoietic progenitor cells			
US5830760	Fred Hutchinson Cancer Research Center	X		X hematopoietic stem cell line	X		X hematopoietic stem cell line			
US 5834312	Hy-Gene, Inc.	X			X		X BASAL STEM CELL			

Publication Number	Assignee	In vitro	In vivo	Composition	Method of making	Use/diagnostic use	Cell type	Tissue of origin	Therapy	Device
US5840580	Becton Dickinson and Company	X		X	X		X hematopoietic stem cells			
US5843633	Amcell Corporation	X			X		X hematopoietic progenitor cells			
US5843780	Wisconsin Alumni Research Foundation	X		X embryonic stem cells	X		X embryonic stem cells			
US5849553	California Institute of Technology	X			X		X neural crest stem cells			
US5851832	Neurospheres, Ltd.	X		X	X		X multipotent neural stem cells			
US 5858744	Boehringer Mannheim GmbH	X			X		X haematopoietic stem cells			
US5858782	Regents of the University of Michigan	X			X		X hematopoietic progenitor cells			
US5859307	Massachusetts Institute of Technology Dana Farber Cancer Institute & Tufts University	X		X	X		X embryonic stem cells			
US 5861153	Societe L'Oreal S.A.	X		X Skin equivalent	X		X precursors of Langerhans' cells			
US5861313	Ontogeny, Inc.	X			X		X progenitor cells			
US5861315	Amgen Inc. Tosoh Corporation	X			X		X multipotential hematopoietic cells			
US5866115	Klinikum Der Albert-Ludwigs-Universitat Freiburg	X			X		X peripheral blood progenitor cells			
US 5869337	President and Fellows of Harvard College Board of Trustees of Leland S. Stanford Jr. University	X		X	X		X PROGENITOR CELL			
US5874266	Cyntellect, Inc.	X			X		X hematopoietic			
US 5874308	University of British Columbia	X			X		X HEMOTOPOEITIC	X bone marrow or blood		

Publication Number	Assignee	In vitro	In vivo	Composition	Method of making	Use/diagnostic use	Cell type	Tissue of origin	Therapy	Device
US5877299	Stemcell Technologies Inc.	X			X		X human hematopoietic progenitor cells			
US5905041	Boehringer Ingelheim International GmbH	X			X		X CD34.sup.+ progenitor cells			
US5905042	University of Massachusetts, A Public Institution of Higher Education of the Commonwealth of Massachusetts, as Represented by its Amherst Campus	X			X		X embryonic			
US5906940	Forschungszentrum Julich GmbH	X			X		X STROMAL CELL			
US5908782	Osiris Therapeutics, Inc.	X		X mesenchymal stem cells	X		X mesenchymal stem cells			
US 5912174	The Scripps Research Institute	X			X		X pluripotent stem cells OR lymphohematopoietic stem cells			
US5912175	Hy-Gene, Inc.	X			X		X basal stem cells			
US5912177	Common Services Agency	X			X		X stem cells from peripheral or cord blood	X peripheral or cord blood		X
US5914268	National Jewish Center for Immunology and Respiratory Medicine	X		X	X		X embryonic stem cell			
US 5919997	Cold Spring Harbor Laboratory Albert Einstein College of Medicine of Yeshiva University	X		X	X		X mouse embryonic stem cells			
US5922597	Regents of the University of Minnesota	X			X		X hematopoietic			
US5922847	Amgen Inc.	X			X		X hematopoietic			

Publication Number	Assignee	In vitro	In vivo	Composition	Method of making	Use/diagnostic use	Cell type	Tissue of origin	Therapy	Device
US5945337	Quality Biological, Inc.	X			X		X CD34.sup.+ cell	X BONE MARROW		
US5948278	BioSeparations, Inc.	X			X		X erythroid progenitor cells			
US 5952224	LaJolla Cancer Research Foundation	X			X		X STEM CELL			
US 5955441	Oklahoma Medical Research Foundation Yale University	X			X		X hematopoietic progenitor cells			
US 5958769	Fred Hutchinson Cancer Research Center	X		X	X		X hematopoietic progenitor cells			
US5962325	Advanced Tissue Sciences, Inc.	X		X	X		X mesenchymal stem cells			
US5965436	Osiris Therapeutics, Inc.	X			X		X mesenchymal stem cells			
US5968829	Cytotherapeutics, Inc.	X		X	X		X human central nervous system (CNS) neural stem cells			
US5972627	Systemix, Inc.	X		X	X		X human hematopoietic lymphoid and dendritic progenitor cells			
US5985276	GSF-Forschungszentrum für Umwelt und Gesundheit GmbH	X			X		X STEM CELL			
US 5985656	The Board of Trustees of the Leland Stanford Junior University	X		X	X		X CD34.sup.+ progenitor cells.			
US 5985658	Health Research Incorporated	X			X		X stem progenitor cells			
US6001647	Ixion Biotechnology, Inc.	X			X		X islet producing stem cells			
US6001654	California Institute of Technology	X			X		X neural stem cell			
US6001803	Sloan-Kettering Institute for Cancer Research	X		X	X		X progenitor cells			

Publication Number	Assignee	In vitro	In vivo	Composition	Method of making	Use/diagnostic use	Cell type	Tissue of origin	Therapy	Device
US6004743	Coulter International Corp..	X			X		X hematopoietic stem cells			
US6015671	Indiana University Foundation	X		X embryonic stem cells	X		X embryonic stem cells			
US 6017761	Systemix, Inc.	X			X		X hematopoietic stem cell			
US 6022743	Advanced Tissue Sciences, Inc.	X			X		X pancreatic stem cells			
US6030836	Osiris Therapeutics, Inc.	X		X	X		X human hematopoietic stem cells			
US 6033907	Indiana University Foundation	X			X		X hematopoietic stem cells			
US6037174	Nexell Therapeutics, Inc.	X		X	X		X human hematopoietic precursor cells	X bone marrow, peripheral blood, or cord blood		
US6040180	NeuralStem Biopharmaceuticals, Ltd.	X			X		X multipotential CNS stem cells			
US6043066	Mangano; Joseph A & Buchanan, Linda	X			X		X stem cells			
US 6045818	Massachusetts Institute of Technology	X			X		X STEM CELL			
US 6051146	COBE Laboratories, Inc.	X			X		X STEM CELL			
US6060270	The University of Michigan	X			X		X kidney tubule stem cells			
US 6060317	The United States of America as represented by the Department of Health and Human Services	X			X		X CD34+ stem cells			
US 6063593	University of Southern California University Park Campus	X			X		X mesenchymal stem cells			

Publication Number	Assignee	In vitro	In vivo	Composition	Method of making	Use/diagnostic use	Cell type	Tissue of origin	Therapy	Device
US6068836	University of Massachusetts	X		X	X		X pluripotent hematopoietic stem cells			
US 6071422	Cobe Laboratories, Inc.	X			X		X STEM CELL			X
US 6077667	Baylor College of Medicine	X			X		X embryonic stem cells			
US6077708	Paul C. Collins et al.	X			X		X progenitor cells			
US6083747	Stemcell Therapeutics LLC	X			X		X hematopoietic stem cells			
US 6086900	Board of Regents, The University of Texas Systems	X			X		X embryonic stem cell			
US6087113	Case Western Reserve University	X			X		X human mesenchymal stem cells			
US6096540	Becton Dickinson and Company	X			X		X CD34.sup.+ cells			
US 6096717	Jonathan W. Jarvik	X			X		X pleuripotent stem cells			
US6110739	National Jewish Medical and Research Center	X			X		X embryonic stem cell			
US6114168	Institute National de la Recherche Agronomique Centre National de la Recherche Scientifique (CNRS) Ecole Normale Superieure de Lyon	X		X	X		X chicken embryonic stem cells			
US6117675	HSC Research and Development Limited Partnership	X		X	X		X Retinal stem cells			
US 6124091	Research Corporation Technologies, Inc.	X			X		X hematopoietic stem cells	X blood		
US6127135	Novartis AG	X			X		X hematopoietic			
US6129911	Rhode Island Hospital, A LifeSpan Partner	X		X	X		X liver stem cell	X liver tissue		
US 6130089	Julianna Lisziewicz	X			X		X hematopoietic stem cells			

Publication Number	Assignee	In vitro	In vivo	Composition	Method of making	Use/ diagnostic use	Cell type	Tissue of origin	Therapy	Device
US 6136566	Lexicon Graphics Incorporated	X		X	X		X embryonic stem cells			
US 6139833	Lexicon Genetics Incorporated	X		X	X		X embryonic stem cells			
US6147052	KM Biotech, Inc.	X			X		X erythrocyte progenitor cells			
US 6150169	The University of Edinburgh	X			X		X embryonic stem cell			
US 6156493	University of Washington	X			X		X hematopoietic stem cell			
US6159461	Sloan-Kettering Institute for Cancer Research	X			X		X progenitor cells			

Publication Number	Assignee	In vitro	In vivo	Composition	Method of making	Use/diagnostic use	Cell type	Tissue of origin	Therapy	Device
US 5486359	Osiris Therapeutics, Inc.	X		X isolated, homogeneous population of human mesenchymal stem cells which can differentiate into cells of more than one connective tissue type such as bone, cartilage, adipose, tendon, ligament, and dermis.			X mesenchymal stem cells (1)	X Bone marrow		
US 5541103	Klinikum der Albert-Ludwigs-Universität Freiburg	X		X (product by process)			X Peripheral blood progenitor cells	blood		
US 5589376	California Institute of Technology	X		X Comp. of neural crest stem cells			X neural crest stem cells			

Publication Number	Assignee	In vitro	In vivo	Composition	Method of making	Use/diagnostic use	Cell type	Tissue of origin	Therapy	Device
US 5591625	Case Western Reserve University	X		X			X human mesenchymal stem cells	X marrow		
US 5656479	North Carolina State University	x		X			X undifferentiated avian cells expressing an embryonic stem cell			
US 5716827	Systemix, Inc.	X		X hematopoietic stem cells			X hematopoietic stem cells			
US 5750397	Systemix, Inc.	X		X A culture and a coculture of hematopoietic stem cells			X hematopoietic stem cells			

Publication Number	Assignee	In vitro	In vivo	Composition	Method of making	Use/diagnostic use	Cell type	Tissue of origin	Therapy	Device
US 5763266	The Regents of the University of Michigan	X					X hematopoietic cells			X bioreactor suitable for culturing human cell and/or tissue, including human stem cells or human hematopoietic cells

Publication Number	Assignee	In vitro	In vivo	Composition	Method of making	Use/diagnostic use	Cell type	Tissue of origin	Therapy	Device
US 5769899	Matrix Biotechnologies, Inc., Melville, NY	X					X mesenchymal stem cells			X bio-absorbable cartilage repair system for regenerating damaged or destroyed articular cartilage on a joint surface of a bone comprising a bioabsorbable material and a porous insert containing mesenchymal stem cells
US 5786323	Amgen Inc., Thousand Oaks, CA and Tosoh Corporation, Tokyo, JP	X		X			X hematopoietic stem cells			
US5814511	Michigan State University	X		X			X human breast epithelial stem cell			
US5830510	North Carolina State University	X		X			X embryonic stem cell			

Publication Number	Assignee	In vitro	In vivo	Composition	Method of making	Use/diagnostic use	Cell type	Tissue of origin	Therapy	Device
US5854071	Creative BioMolecules, Inc.	X		X			X progenitor cell population			
US5854207	Stryker Corporation	X		X			X the progenitor cell is an osteoblast stimulated to form bone			
US5855619	Case Western Reserve University	X					X mesenchymal stem cells			X
US 5866400	The University of Michigan	X					X hematopoietic stem cells			X
US5874301	National Jewish Center for Immunology and Respiratory Medicine	X		X			X pluripotent precursor cell			
US5876956	Johns Hopkins University School of Medicine	X		X human pluripotent hematopoietic stem cells			X human pluripotent hematopoietic stem cells			
US5879940	Fred Hutchinson Cancer Research Center	X		X			X hematopoietic precursor cells			
US5888807	The Regents of the University of Michigan	X					X human hematopoietic cells			X
US 5916810	Carnegie Mellon University	X					X pluripotent stem cells			
US5916870	Stryker Corporation	X					X progenitor cell			X
US5942225	Case Western Reserve University Osiris Therapeutics, Inc.	X		X			X human mesenchymal stem cells			
US 5954724	James A. Davidson	X					X Stemcell			X
US5955357	Nexell Therapeutics, Inc.	X		X			X neutrophil precursor cells			
US5958767	The Children's Medical Center Corp.	X		X			X neural stem cell			

Publication Number	Assignee	In vitro	In vivo	Composition	Method of making	Use/diagnostic use	Cell type	Tissue of origin	Therapy	Device
US 5985615	Abgenix, Inc. Japan Tobacco Inc.	X		X			X embryonic stem cell			
US5985659	The Institute of Physical and Chemical Research	X		X			X mouse embryonic stem cell line			
US 5994313	Board of Trustees of the Leland S. Stanford, Jr. University President and Fellows of Harvard College	X					X STEM CEL			
US6028243	The Cleveland Clinic Foundation	X		X			X mouse embryonic stem cell			
US 6030833"	The General Hospital	X		X			X cord blood hematopoietic stem cell, a bone marrow hematopoietic stem cell, a fetal liver hematopoietic stem cell, a neonatal liver hematopoietic stem cell, a fetal spleen hematopoietic stem cell and a neonatal spleen hematopoietic stem cell			
US6049026	The Cleveland Clinic Foundation	X		X composite bone marrow graft			X connective tissue progenitor cells			
US 6051402	Massachusetts Institute of Technology	X		X			X STEM CELL			

Publication Number	Assignee	In vitro	In vivo	Composition	Method of making	Use/diagnostic use	Cell type	Tissue of origin	Therapy	Device
US6066317	Genetics Institute, Inc.	X					X hematopoietic progenitor or stem cells			
US 6139835	Cell Genesys, Inc.	X EX VIVO		X			X mouse embryonic stem cell			
US6146888	The University of Edinburgh	X		X			X STEM CELL			
US 6156569	University of Massachusetts Office of Vice Chancellor for Research at Amherst	X		X			X avian primordial germ cells			

Publication Number	Assignee	In vitro	In vivo	Composition	Method of making	Use/ diagnostic use	Cell type	Tissue of origin	Therapy	Device
US 5759766	Fred Hutchinson Cancer Research Center	X				X method for diagnosing a predisposition to developing or suffering from disease associated with allogeneic cellular microchimerism in an individual by isolating and analyzing a sample of cells from the individual				
US5981268	The Board of Trustees of the Leland Stanford Junior University	X				X				

Publication Number	Assignee	In vitro	In vivo	Composition	Method of making	Use/diagnostic use	Cell type	Tissue of origin	Therapy	Device
US 5565350	Thomas Jefferson University	X			X method of introducing a predetermined alteration in a target sequence of the genome of an embryonic stem cell					
US 5663051	Activated Cell Therapy, Inc.	x			X method of enriching a hematopoietic progenitor CD34.sup.+ cell from cell mixture derived from bone marrow					X Device for enriching a hematopoietic progenitor CD34.sup.+ cell from cell mixture
US 5665380	Micro-Pak, Inc.	X			X method of transmitting a biologically active material to a stem cell in vitro using a liposome or a lipid vesicle					
US 5696229	The University of Virginia Patent Foundation, Charlottesville, VA	X			X method of promoting alveolarization, comprising treating stem cells or progenitor cells isolated from lung tissue with a peptide			X Lung tissue		

Publication Number	Assignee	In vitro	In vivo	Composition	Method of making	Use/diagnostic use	Cell type	Tissue of origin	Therapy	Device
US 5700681	La Jolla Cancer Research Foundation	X			X promoting differentiation					
US5795790	Cytotherapeutics, Inc.	X		X bioartificial organ	X					
US5811274	The Regents of the University of Michigan	X			X					
US5827640	Biostore New Zealand	X			X					
US5834001	Brown University Research Foundation	X			X					
US5834196	Nexins Research B.V.	X			X					
US5834256	Cell Genesys, Inc.	X			X					
US 5879875	Biostore New Zealand	X			X					
US 5939319	Cobe Laboratories, Inc.	X			X					
US5951877	Cobe Laboratories, Inc.	X			X					
US 5955256	Baxter International Inc.	X			X					
US5958670	COBE Laboratories, Inc.	X			X					
US 5997860"	G. D. Searle & Co.	X EX VIVO			X					
US 5767074	Sloan-Kettering Institute for Cancer Research	X		X Composition of a ligand protein effective to expand hematopoietic stem cells						
US5804431	The Regents of The University of Michigan	X								X
US5846796	The Picower Institute for Medical Research	X		X						
US 5879280	COBE Laboratories, Inc.	X								X
US6074874"	University of Pittsburgh					X	X embryonic stem cells			

Publication Number	Assignee	In vitro	In vivo	Composition	Method of making	Use/diagnostic use	Cell type	Tissue of origin	Therapy	Device
US 6057489"	M.D. Anderson Cancer Center			X			X embryonic stem cell			
US6060642	The Regents of the University of California			X			X embryonic stem cell			
US 6090608	Yissum Research Development Company of the Hebrew University of Jerusalem Hadasit Medical Research Services and Development Company Limited			X			X bone marrow cells and peripheral blood stem cells	X bone marrow cells and peripheral blood		
US6091001	Abgenix, Inc. Japan Tobacco Inc.			X			X mouse embryonic stem cell			
US6096300	Advanced Research and Technology Institute						X bone marrow progenitor cell proliferation			
US6103530	Cytotherapeutics, Inc.			X			X mammalian neural stem cells			
US 6110209	Kevin R. Stone			X			X mesenchymal stem cells			
US6114598	Abgenix, Inc.			X			X mouse embryonic stem cell			
US 6124495	Beacon Laboratories, Inc.						X Cell type	X Bone marrow		
US5885962	Amgen Inc.			Totals						