

Publication Number	Assignee/Applicant Name	In vitro	In vivo	Composition	Method of making	Use/diagnostic use	Cell type	Tissue of origin	Therapy	Device
US8038991	Abbott Cardiovascular Systems Inc.	X		X Compositions with hyaluronic acid and stem cells		X Kits with hyaluronic acid and stem cells	X localized cardiac progenitor cells, mesenchymal stem cells, cardiac stem cells, adipose-derived stem cells, embryonic stem cells, umbilical cord blood derived stem cells		X Compositions may be used to treat cardiomyoplasty	
US7964406	Academisch Medisch Centrum Bij De Universiteit Van Amsterdam	X	X			X A method for producing antibodies using stem cells		X non-human animal		
US7887572	Advanced Cardiovascular Systems, Inc.						x endothelial SC		x endothelialization	x
US8021676	Advanced Cardiovascular Systems, Inc.		X	X Implantable stent	X coating a polymer with a molecule that attracts endothelial progenitor cells	X Treat obstructions in heart	X endothelial progenitor cell			X stent
US8067025	Advanced Cardiovascular Systems, Inc.		X						X Treat cardiovascular disorders	X Polymer stent

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US8083726	Advanced Cardiovascular Systems, Inc.		X		X Method of making a hydrogel device seeded with stem cells					
US7910369	Advanced Cell Technology, Inc.	x			x		x human pluripotent SC, human embryonic SC			
US8034329	Advanced Technologies And Regenerative Medicine, LLC		X			X Method of treating kidney disease by administering homogenous cells from umbilical cord tissue.		X umbilical cord tissue (free of blood)	X Treat kidney damage	
US7977313	Affinergy, Inc. Synthes USA, LLC		X						X A method for enhancing one or more of osteoinduction with a peptide bound to a stem cell	

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US8058234	Agennix Incorporated		X			X Method of treating organ/tissue rejection in a patient by administering lactoferrin to patient receiving tissue or organ transplant, such as bone marrow or stem cells.			X Attenuate organ or tissue rejection in patient	
US7943817	AgriGenetics, Inc.			x transgenic plant	x		x transgenic plant			
US8044262	AgriNomics LLC		X	X Transgenic plant with PRDT1 polypeptide		X Transgenic plants with drought resistance				

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US8043614	AHLFORS JAN-ERIC W		X	X 3D cell scaffold seeded with stem cells for implantation in patients.						X 3D cell scaffold made by fibroblasts, seeded with stem cells
US7901936	Albany Medical College	x			x		x neural SC	x embryonic neural tissue		
US7863043	Aldagen, Inc.						x CD105+	x bone marrow		
US8084033	Amcell Corporation	X		X A hematopoietic stem cell that expresses an AC133 surface antigen and an antibody that recognizes the antigen.			X hematopoietic stem cells; neural crest cells	X Blood; Brain		
US7914779	Anthrogenesis Corporation	x		x	x		x SSEA4- and (CD34- or OCT-4+)	x human placental SC		

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US7976836	Anthrogenesis Corporation		X				X human placental stem cells	X human	X A method of treating an individual who has had a stroke	
US7993918	Anthrogenesis Corporation	X	X			X suppressing the proliferation of a plurality of tumor cells	X placental stem cells			
US8057788	Anthrogenesis Corporation	X		X Isolated human placental cells (CD34-, CD10+, SH2+) and cell populations enriched in these cells				X Placenta		
US8057789	Anthrogenesis Corporation	X		X Placental stem cells and kits with stem cells	X	Differentiating placental stem cells into a variety of cell types; methods of treating leukemia patients		X Placenta	X Leukemia therapy	

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US8071376	Anthrogenesis Corporation	X			X Method of making oligodendrocytes by culturing placental stem cells with a phosphodiesterase inhibitor		X Placental stem cell	X Placenta		
US7998472	Apceth GmbH & Co. KG		X				X genetically modified stem cells	X human	X A method for treating a subject afflicted with a tumor	
US8030537	Apogene GmbH & Co. KG	X	X		X Method of making recombinant protein in cows.		X bovine oocyte			
US7931687	Articular Engineering, LLC Rush University Medical Center	x	x	x osteochondrial implant	x making osteochondral implant		x chondrogenic SC	x placenta, umbilical cord, bone marrow, skin, periosteum, fat, perichondrium	x	x bone or joint implant
US7906074	Auburn University			x		x				

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US8038998	BERGSTEIN IVAN		X			X Method of killing cancer stem cells using antibody against cancer cell surface antigen			X Treat cancer (not prostate cancer)	
US7892222	Beta O 2 Technologies Ltd.		x						x	x
US8012500	Beta-O2 Technologies Ltd.		X							X Apparatus comprising functional cells which may be stem cells
US7875453	BioE LLC	x			x		x multilineage progenitor cells differentiated in hepatocytes	x fetal blood		
US7893019	Bio-Ker S r.l.			x	x				x mobilizes stem cells in vivo	

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US8048320	Biomet Manufacturing Corp.	X				X Method for separating mesenchymal stem cells from blood or adipose tissue using a separation system	X mesenchymal stem cells			
US7998204	Biomet Manufacturing Corp.		X				X differentiated stem cells, undifferentiated stem cells			X felt for repairing a defect which may comprise a cell
US7901671	bluebird bio, Inc.	x		x			x embryonic SC, somatic SC, progenitor cell			

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US8058063	Board of Regents, The University of Texas System	X	X		X Making cholinergic neurons by culturing neuronal stem cells		X Neuronal stem cells	X Brain	X Providing neuronal stem cells to patient who has lost cholinergic neurons	
US7960173	Board of Supervisors of Louisiana State University and Agricultural and Mechanical College	X		X A population of cardiac pacemaking cells derived from mouse pluripotent embryonic stem cells			X derived from mouse pluripotent embryonic stem cells	X mouse		
US8022045	Bogdahn; Ulrich Aigner; Ludwig		X			X Method of using antisense oligos against TGF receptor II to treat neurodegenerative disorders			X Treat various neurodegenerative disorders	

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US7968527	Boston Biomedical Research Institute		X		X					
					A method for inhibiting FGF signaling in an FGF-responsive cell, which may promote stem cell production					
US7922753	Boston Scientific Scimed, Inc.			x			x cells (numerous types) may be added to catheter assembly			x catheter assembly, optionally stent
US7994114	British Canadian Biosciences Corp		X		X		X			
					A method of increasing the number of hematopoietic cells		hematopoietic stem cell			
US8039436	British Columbia Cancer Agency Branch Adaerata, Limited Partnership Valorisation-Recherche, Limited Partnership RSEM, Limited Partnership	X		X		X	X	X		
						polypeptide for enhancing expansion of hematopoietic stem cells	hematopoietic stem cells	Bone marrow		

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US7968337	BRUESTLE OLIVER	X			X A method for the generation of an isolated cell composition consisting essentially of embryonic stem cell-derived neural precursor cells		X mouse or human embryonic stem cells	X mouse or human		
US7919309	California Institute of Technology	x	x	x	x				x	
US7939059	California Institute of Technology	x	x				x hematopoietic SC differentiate into Ag-specific T-cell		x	
US7977096	California Stem Cell, Inc.	X		X A complete media formulation for culturing human embryonic stem cells	X A method for culturing human embryonic stem cells		X human embryonic stem cells	X human		
US7884193	Cambridge Enterprises Limited			x	x		x embryonic SC, primordial germ, embryonic germ cell, stem cell			

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US8048620	Canadian Blood Services	X				X Method of testing blood for bacterial contamination				
US7894914	Cardiac Pacemakers, Inc.								x myocardial progenitor cells, neural cells, stem cells	x
US7981065	Cardiac Pacemakers, Inc.		X			X A method comprising affixing an isolated extracellular matrix, donor cells (which may be stem cells) are contacted				

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US7991480	Cardiac Pacemakers, Inc.		X							X A medical electrical device comprising a cell which may be stem cells.
US7955850	CARINCI FRANCESCO AQUINO RICCARDO DE ROSA ALFREDO GRAZIANO ANTONIO LAINO GREGORIO PAPACCIO GIANPAOLO	X		X A homogenous stem cell population			X Stem cell from Human Exfoliated Deciduous teeth	X human		
US8063240	Cayman Chemical Company, Incorporated	X	X	X Prostaglandin for expanding hemaotopoietic stem cells in culture or in patients						

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US8071366	Cedars-Sinai Medical Center	X		X Neural stem cells made by culturing bone marrow with FGF-2 and EGF				X Bone marrow		
US8034831	Celgene Corporation		X			X Method for treating myelofibrosis with myeloid metaplasia by administering specific compounds before, during, or after stem cell transplant			X Treat myelofibrosis with myeloid metaplasia	
US8048671	Cellcotec B.V.		X			X Method for repairing cartilage using primary chondrocytes and multipotent cells	X primary chondrocytes and multipotent cells	X Cartilage and bone marrow	X Cartilage repair	

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US8080524	Centre National de la Recherche Scientifique (CNRS)		X			X method of stimulating growth and/or differentiation of stem cells for hair growth, using claimed compound			X Hair growth	
US7919318	Chabio & Diostech Co., Ltd. College of Medicine Pochon Cha University Industry-Academic Cooperation Foundation	x			x		x vascular endothelial cells from embryonic stem cells	x embryoid bodies differentiated from embryonic stem cells		
US7863044	CHENG TAO YUAN YOUZHONG SHEN HONGMEI YU HUI SCADDEN DAVID T	x					x CD34+		x	

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US7968336	Children's Medical Center Corporation	X		X A composition enriched for isolated human fetal stem cells, An isolated pluripotent human fetal stem cell			X human fetal stem cells	X human		
US8021876	Children's Medical Center Corporation	X			X enriching for human pluripotent fetal stem cells		X human pluripotent fetal stem cells	X human amniotic fluid		
US8048855	Chugai Seiyaku Kabushiki Kaisha		X			X Method for reducing graft vs. host disease when administering stem cells to patient, by administering GM-CSF			X Reduce graft vs. host disease when administering stem cells to patient.	

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US8062751	Chung Yuan Christian University	X								X Membrane to separate stem cells
US7868015	Cold Spring Harbor Laboratory									
US8084425	COMMISSIONG JOHN W RAIBEKAS ANDREI A	X		X A neural stem cell, polypeptide, and carrier			X Neural stem cell	X Brain		
US8071367	Commonwealth Scientific and Industrial Research Organisation	X			X Selecting for hematopoietic stem cells from a population using an antibody against alpha9beta1					
US7935361	Contura A/S		x	x					x	x injectable endoprothesis
US7935478	Core Dynamics Limited	x			x method of preserving cells		x hematopoietic SC			

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US8030061	Cornell Research Foundation, Inc.	X				X Device used to test pharmacokinetics of any drug				X Microscale culture device to mimic multiple organs; stem cells can be cultured in the device.
US8043803	Cornell Research Foundation, Inc.	X				X A method for detecting stem or progenitor cells in a tissue, a tissue sample or a cell population	X hematopoietic and hemangiogenic stem cells			
US7932431	Crescendo Biologics Limited	x	x	x GM mouse and embryonic stem cells therefrom			x embryonic stem cells	x GM mouse		

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US8076137	Cytograft Tissue Engineering, Inc.		X							X Tissue sheet-wrapped stent, with stem cells seeded in the lumen
US7887795	Cytori Therapeutics, Inc.				x		x adipose and endothelial SC	x adipose tissue	x fat graft	
US7901672	Cytori Therapeutics, Inc.				x		x adipose and endothelial stem cells	x fat tissue		
US7892835	Daiichi Sankyo Company, Limited	x			x		x human pluripotent SC	x mammalian embryonic stem or germ cells		
US7964387	DANCU MICHAEL	X			X A method of conditioning a hybrid synthetic tubular structure having stem cells and/or endothelial cells					

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US7968329	DANCU MICHAEL	X			A method of conditioning a hybrid synthetic tubular structure having stem cells and/or endothelial cells					
US7879102	DePuy Spine, Inc.		x					x spinal discs	x treatment of spinal disc defects	
US7875296	DePuy Spine, Inc.		x	x			x stem, pluripotent, progenitors,		x	x
US8067397	DePuy Spine, Inc.			X Cycline compound and mesenchymal stem cells				X Bone marrow; adipose tissue	X Treating intervertebral disc with cycline compound and mesenchymal stem cells	

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US7947284	Desert Lake Technologies, LLC		X		X A method of mobilizing hematopoietic stem cells in a subject,		X hematopoietic stem cells	X human		
US8034328	Desert Lake Technologies, LLC		X			X Enhance homing of stem cells using blue-green algae			X Treat Parkinson's disease; traumatic brain injury	
US8017390	Dongguk University Industry-Academic Cooperation Foundation	X				X A method for the preparation of a dermal papilla tissue, which comprises culturing mesenchymal stem cells	X mesenchymal stem cells	X bone marrow, adipose tissue or umbilical cord		

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US8030541	Dow AgroSciences LLC		X			X Add a specific nucleotide sequence to plant stem cells to make transgenic plant with improved meal quality		X Plant		
US8034993	Dow AgroSciences LLC		X	X Transgenic canola plants		X Method of making transgenic canola plants	X Plant Progenitor cells	X Plant		
US8084428	Ed. Geistlich Soehne AG fuer Chemische Industrie		X			X Methods of repairing meniscal tears using collagen membranes impregnated with mesenchymal stem cells	X Mesenchymal stem cells		X Treating meniscal tears	

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US8067161	Eisai R&D Management Co., Ltd.					X Methods and kits for detecting dopaminergic neuron proliferative progenitor, using the marker Nato3.		X Midbrain of embryos		
US7971592	Eisai R&D Management Co., Ltd. Ochi; Mistuo	X	X	X A magnetic cell			X a neural stem cell	X	X A method for inducing tissue repair in a subject	
US7947498	ES Cell International PTE Ltd.	X			X method of preparing ES cells	X A method of generating neurons, the method by culturing undifferentiated human embryonic stem cell	X undifferentiated human embryonic stem cell	X human		
US7875272	Ethicon, Incorporated		x				x CD117-	x postpartum tissue	x stroke	

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US7875273	Ethicon, Incorporated		x				x CD117-	x umbilical	x Parkinson's disease	
US7947448	F. Hoffmann-La Roche Inc.		X		X A method for screening of compounds capable of regulating neural stem cell activity					
US7968111	Fidia Advanced Biopolymers S r.L.									A biocompatible, composite osteochondral graft that may comprise stem cell
US8071377	Fred Hutchinson Cancer Research Center	X			X Method of making immortalized hematopoietic stem cells		X hematopoietic stem cells	X bone marrow, umbilical cord blood, placental blood, or Wharton's jelly, fetal blood		

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US7955852	Gamida Cell Ltd.	X			X A method of expanding a population of CD34+ hematopoietic stem cells ex-vivo		X embryonic stem cells and adult stem cells	X bone marrow, peripheral blood and neonatal umbilical cord blood		
US8080417	Gamida Cell Ltd.	X				X Method of expanding and preventing differentiation of CD133+ hematopoietic cells by culturing with mesenchymal stem cells; also transplant of CD133+ cells to a patient.	X CD133+ hematopoietic stem cells		X Adoptive immunotherapy	

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US8039256	GC Corporation/Two Cells Co., Ltd.	X				X Method of culturing mesenchymal stem cells	X mesenchymal stem cells	X bone marrow, umbilical cord blood, synovial membrane, amniotic membrane		
US7940978	General Electric Company	x	x			x characterizing cells by motion				
US8083069	General Electric Company	X				X Magnetic cell sorting of stem cells				
US7988957	Genesis Healthcare Corp.	X				X A method for increasing transgene expression in a gene transfer mediated by an adeno-associated virus vector	X stem cells or hematopoietic stem cells	X human		

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US8034612	Genetix Limited	X								X Device for selecting, picking, and dispensing stem cell colonies
US7915034	Genx International			x						
US7897590	Genzyme Corporation	x			x					
US7935692	Genzyme Corporation		x						x mobilizes stem cells in vivo	
US7863293	Genzyme Corporation			x						
US7985586	Georgia Health Sciences University	X		X A cell culture comprising a cell culture medium enriched with oligodendrocyte precursor cells (ODPCs) derived from a differentiated stem cell			X an embryonic or adult-derived stem cell	X an embryonic or adult-derived stem cell		

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US8002830	Georgia Tech Research Corporation		X				X mesenchymal stem cells			X A hydrogel comprises one or more of the following cells types: osteoblasts, chondrocytes, mesenchymal stem cells
US7906330	Geron Corporation	x		x	x		x differentiated cells that synthesize Type II collagen or aggrecan	x human embryonic SC line		
US7918819	Health & Human Services - NIH		x	x					x	x catheter
US7883861	HemoGenix, Inc.	x				x	x primitive hemotopoetic cells.	x peripheral blood, bone marrow, umbilical cord blood, yolk sac, fetal liver, spleen		

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US7989178	HemoGenix, Inc.	X			X A method for determining both the proliferation status and the differentiation status of hematopoietic stem cells and progenitor cells		X hematopoietic stem cells and progenitor cells	X animal		
US8070810	Histogenics Corporation		X	X Polymer sheath seeded with stem cells		X Method of repairing injured tendons or ligaments with a polymer sheath seeded with stem cells.			X Treat injured tendons or ligaments	X Polymer sheath seeded with stem cells

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US8070827	Histogenics Corporation		X			X Method of using dual-scaffold construct seeded with stem cells to repair tissues, including skin, cartilage, bone, tendon, and meniscus				
US7968088	HONMOU OSAMU HAMADA HIROFUMI	X	X		X culturing mesenchymal stem cells		X mesenchymal stem cells	X peripheral blood	X A method of treating stroke	
US7918854	Howmedica Osteonics Corp.		x						x	x stent
US8058243	HSC Research and Development Limited Partnership Mount Sinai Hospital		X						X Treat medulloblastoma or glioblastoma with ifenprodil	

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US7901680	IBC Pharmaceuticals, Inc.			x			x inducing an immune response against CD138+ MM SC			
US8034608	ICE Development Technologies, LLC		X	X Hybrid vascular graft			X Embryonic stem cells; mesenchymal stem cells		X promote endothelialization of the grafted device	X Hybrid vascular graft seeded with stem cells
US8016881	ICON Interventional Systems, Inc.		X							X A surgical article comprising an agent, stem cell
US7943579	Immundiagnostik AG	x	x	x implant			x mesenchymal SC		x	x implant material
US7902338	Immunomedics, Inc.			x						
US7914787	Immunomedics, Inc.	x	x	x		x				
US7919090	Immunomedics, Inc.		x						x treating cancer	

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US8062636	Immunomedics, Inc.		X						X Treating CEA expressing cancer with CEA antibody	
US8080250	Immunomedics, Inc.		X						X Treat cancer with antibody (recognizes cancer stem cell antigens)	
US8084029	Immunomedics, Inc.		X			X Method of delivering stem cell growth factors using an antibody that binds alpha-fetoprotein				
US8084583	Immunomedics, Inc.		X	X An antibody that binds EGP-1 couple to a stem cell growth factor					X Treating Cancer	

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US7935527	Industrial Technology Research Institute	x			x embryonic stem cells culture		x human embryonic stem cells	x human embryonic stem cells		
US7972851	Industrial Technology Research Institute	X				X A method for purifying fetoprotein expressing cells from Human Embryonic Stem Cells	X Human Embryonic Stem Cells	X huamn		
US7981630	Industrial Technology Research Institute	X				X A method of discriminating differentiated human embryonic stem cell	X human embryonic stem cell	X human		
US8048675	iPierian, Inc.	X			X Method of generating pluripotent stem cells by introducing factors in nucleated blood cells		X Nucleated blood cells			

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US8067367	Janssen Pharmaceutica, N.V.		X						X Increasing speed of engraftment of hematopoietic stem cells with thrombopoietin mimetic; using thrombopoietin mimetic to generate stem cells for harvest	
US7879603	Japan Science and Technology Agency	x			x		x mesenchymal differentiate into cells that produce steroid hormones	x mesenchymal		
US7927630	JOHNSON LANNY L		x				x SC from patient's joint	x joint of patient	x treatment of injured/degenerative joint	
US8021882	JOHNSTONE BRIAN H MARCH KEITH LEONARD DU YANSHENG	X			X Method of making stem cell conditioned media using adipose stem cells		X rat/human adipose stem cell	X adipose tissue		

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US8008540	Kampavata AB		X			X A method for producing the transgenic mouse	X embryonic stem cells	X mice		
US8017389	Keck Graduate Institute	X			X A method of preparing a purified isolated cell population enriched in cardiac stem cells	X A method of preparing an isolated population of differentiated cells	X cardiac stem cells			
US8075916	Korea Institute of Science and Technology		X	X Compound that forms sol gel as delivery system for stem cells						X Compound that forms sol gel as delivery system for stem cells
US7897397	Kowa Company, Ltd.; Kitakaze; Masafumi; Minamiao; Tetsuo; Hirata; Akio	x			x				x somatic SC, bone marrow cell.	

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US8002733	KRAFT DANIEL,HOLE JAMES		X						X A method for aspirating bone marrow	
US8043253	KRAFT DANIEL,HOLE JAMES		X			X aspiration of bone marrow				X System for aspirating bone marrow
US8048999	Kyoto University	X		X Nuclear programming factor that includes isolated genes from the Oct, Klf, and Myc families; families Oct, Klf, and Myc; also uses Oct, Klf, and a cytokine.						

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US8058065	Kyoto University	X			Method of making induced pluripotent stem cells from differentiated cells, by transfecting cells with genes for Oct3/4, Klf4, c-myc, and Sox2.					
US8048421	Kyowa Hakko Kirin Co., Ltd.	X		X Antibody to human thrombopoietin receptor; used to stimulate growth in stem cells from umbilical cord blood			X CD34+ stem cells	X Umbilical cord blood		
US7892534	LEE JAU-NAN LEE TONY TUNG-YING LEE YUTA		x				x differntiate into neuron	x human trophoblast	x brain, especially parkinson's disease	
US7867712	Massachusetts Institute of Technology	x				x				
US7883891	Massachusetts Institute of Technology	x				x	x liver or neuronal cells			

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US7977092	Massachusetts Institute of Technology	X	X			X A method of identifying one or more candidate anti-tumorigenic agents	X stem cells comprising bell-shaped nuclei	X mammal		
US8021877	Massachusetts Institute of Technology	X				X patterning cells on a substrate				
US8022178	Massachusetts Institute of Technology	X	X	X Self-assembling peptides, including matrices that contain stem cells		X for culture of stem cells and implantation into subjects				X Self-assembling peptide to form matrix for culture or implantation; allows growth of stem cells
US8016814	Medtronic Vascular, Inc.									

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US8058061	Memorial Sloan-Kettering Cancer Center	X		X stem cell or hematopoietic progenitor cell with genes that express globin protein	X Method of making hematopoietic progenitor that express globin protein cell using lentiviral vectors				X Treat hemoglobinopathies	
US7892263	Mi4Spine, LLC		x						x vertebral disc	x
US7883698	MICHEJDA MARIA	x			x		x fetal hematopoetic and mesenchymal SC	x fetal bone chips		
US8034616	Mitsubishi Heavy Industries, Ltd. Yuge; Rul	X			X Method of culturing stem cells using rotation to suppress differentiation; then applying centrifugal force to initiate differentiation					X Cell Culture device for suppressing and then initiating stem cell differentiation.

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US8008249	Morehouse School of Medicine		X						X A method for enhancing migration of stem cells from a ventricle into damaged brain	
US7939057	Mount Sinai School of Medicine		x mobilization		x making in vivo, in some embodiment also harvest SC from blood			x self	x method of mobilizing hematopoietic SC or progenitor SC from bone marrow to peripheral blood	
US7955849	Mount Sinai School of Medicine	X				X A method of generating mesoderm cells comprising: a) culturing mammalian embryonic stem	X mammalian embryonic stem cells	X mammal		
US7879103	Musculoskeletal Transplant Foundation		x						x spinal disc	x implant

Publication Number	Assignee/Applicant Name	In vitro	In vivo	Composition	Method of making	Use/diagnostic use	Cell type	Tissue of origin	Therapy	Device
USRE42208	Musculoskeletal Transplant Foundation			X Cartilage repair material (allograft cartilage) seeded with stem cells		X Method of repairing cartilage using cartilage repair material (allograft cartilage) seeded with stem cells			X Cartilage repair	
US7959683	Musculoskeletal Transplant Foundation Spineology, Inc.		X						X treating a degenerative intervertebral disc	X An implant for treating a degenerative intervertebral disc which may comprise stem cells

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US8076282	N.V. Nutricia	X	X			X Improve the function of stem cells by administering a composition including various lipids, nucleotides, and proteins				
US7985407	National Cancer Center		X				X allogeneic hematopoietic stem cell		X A method of treating a tumor by stem cell transplantation	
US8067163	National Chung Cheng University	X				X Method to determine the biological function of the TRIP10 gene in mesenchymal stem cells, using antisense technology	X Mesenchymal stem cells			

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US7883865	National University Corporation Nagoya University	x			x		x embryonic SC or bone marrow SC			
US7951584	National University Corporation Nagoya University	X			X method of producing a biological organic material, including stem cells					
US8062632	National Yang-Ming University	X			X Method for culturing hepatocytes from mesenchymal stem cells		X mesenchymal stem cells	X Bone marrow; umbilical cord blood	X Produce hepatocytes for restoring liver function	
US8030492	Neuralstem, Inc.	X	X	X Neurogenic agent (chemical, not a peptide)		X promotes neurogenic phenotypes and cell proliferation in a subject or in vivo.			X Given to humans, in combination with stem cells from brain.	

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US8058434	Neuralstem, Inc.		X	X Neurogenic agent (chemical, not a peptide)					X Inhibiting neuronal death in a subject by administering the neurogenic agent.	
US7981863	Neuronova AB		X		X A method for inducing the in situ proliferation or differentiation of neural stem cells	X A method for inducing the in situ proliferation or differentiation of neural stem cells	X neural stem cells		X A method of treating a patient with Parkinson's disease	
US7862810	New York Medical College	x culture and expand cardiac stem cells	x extract cardiac SC, grow in vitro and administer to patient.				x cardiac SC c-kit+		x repair of heart damage by admin SC	
US8008254	New York Medical College		X				X cardiac stem cells		X A method of restoring functional and structural integrity to damaged myocardium	

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US7928068	New York University	x SC may be stimulated in vitro prior to injecting into patient	x				x chondrocyte progenitors, mesenchymal SC, SC capable of proliferating along mesenchymal lineage		x method of promoting chondrogenesis	
US8067230	New York University	X		X Prostatic tumor stem cells that express alpha 6 integrin and at least one of Bcl-2, FGFR, promini, CD34, a Notch protein, and a Frizzled protein.			X Prostatic stem cells	X Prostate		
US8030072	Newcastle University Univerzita Karlova V Praze	X		X Neural crest stem cells	X Method of culturing neural crest stem cells from hair follicle		X Neural crest stem cells	X Hair follicles		
US7862551	Nexeon MedSystems, Inc.								x Method of injecting stem cells	

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US8062283	Nexeon MedSystems, Inc.		X				X Stem cells and endothelial progenitor cells.		X Treat infarcted myocardium using stem cells	
US7939491	Nora Therapeutics, Inc.		x						x	
US8048636	Northshore University Healthsystem	X				X Method of screening for modulator of h2-calponin activity using embryonic stem cell				
US8003388	Nortis, Inc.	X				X A method for creating networks of perfusable microvessels in vitro				
US7935805	Novartis Vaccines & Diagnostics, Inc	x	x	x					x	
US7943375	Novartis Vaccines & Diagnostics, Inc	x	x	x					x immunization against virus	

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US8012681	Novartis Vaccines & Diagnostics, Inc.	X				X A method for determining the susceptibility of a cancer patient to an osteoblastic response in mesenchymal stem cells	X mesenchymal stem cells			
US8084255	Oklahoma Medical Research Foundation	X		X Fucosylated CD34+ stem cells from umbilical cord blood			X CD34+ stem cells	X Umbilical cord blood		
US7972767	Olympus Corporation	X			X A method for culturing a mesenchymal stem cell	X A method for producing a biological tissue prosthesis	X mesenchymal stem cell			
US7972849	Oregon Health & Science University	X			X A method for producing a pluripotent primate stem cell		X pluripotent stem cells	X primate somatic cell		

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US7981628	Oregon Health & Science University	X	X			X A method for isolating a pancreatic endocrine cell	X embryonic stem cell, an adult stem cell or a progenitor cell			
US7892829	Osiris Therapeutics, Inc.		x				x SC that differentiate in vivo into cardiomyocytes	x mesenchymal	x	
US7923203	Pall Corporation Smith & Nephew, Inc.		x				x mesenchymal SC, hematopoietic SC	x human	x treating bone defect	
US7993908	Parsortix, Inc.	X			X A method of separating stem cells		X fetal stem cells	X human		
US8071083	Progentix Orthobiology B.V.		X			X Treat tissue defect with an unseeded scaffold that attracts mesenchymal stem cells				
US7908091	Prometheus Laboratories Inc.	x				x	x endothelial progenitor cells, cancer SC			

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US8084048	Purdue Research Foundation	X	X			X Method for enhancing tissue graft vascularization by seeding a tissue graft construct with endothelial cells and a second cell type such as smooth muscle progenitor cells	X smooth muscle progenitor cells			
US7919602	Ramot at Tel-Aviv University Ltd.	x			x		x satellite SC, myoblast SC, mesenchymal SC, hematopoietic SC.	x peripheral blood, bone marrow, skeletal muscle,		
US7927587	Regents of the University of Minnesota		x				x differentiate into at least one of endo, ecto and mesodermal lineages	x human multipotent non-embryonic non-germ cells	x providing lysosomal enzyme by administering expanded SC	

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US8067233	Reliance Life Science PVT. Ltd.	X			X Method of isolating stem cells from corneal limbal tissue.		X human embryonic-like stem cells	X Epithelium of corneal limbal tissue		
US7935528	Rhode Island Hospital, a Lifespan Partner	x		x liver SC			x primary liver SC	x normal liver tissue		
US7923246	Riken	x			x		x inducing embryonic stem cells to nervous system cells	x embryonic stem cells		
US8039021	Royer Biomedical, Inc.		X	X Bioerodible composition seeded with stem cells			X mesenchymal stem cells			X Bioerodible composition seeded with stem cells

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US7998740	SACKSTEIN ROBERT	X	X		X A method for increasing cell surface expression	X use as part of a hematopoietic stem cell transplantation	X hematopoietic stem cell			
US8084236	SACKSTEIN ROBERT	X		X Compositions and kits for modifying a glycan on the surface of a stem cell.						
US7919317	Sanford-Burnham Medical Research Institute	x			x		x progenitor cells differentiated to neuronal SC	x human SC, embryonic SC, hematopoietic SC,		
US7964402	Sanford-Burnham Medical Research Institute	X			X A method of preparing human embryonic stem cells		X embryonic stem cells	X human		

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US8071378	Sanford-Burnham Medical Research Institute	X				X Method of maintaining markers of pluripotency by expressing an exogenous polypeptide (ZNF206)	X Embryonic stem cells			
US7951925	Sangamo BioSciences, Inc.	X		X A cell comprising a protein. The cell can be a stem cell. In an example the cell is human embryonic stem stem			X human embryonic stem stem			
US7923032	Seacoast Neuroscience, Inc.		x				x bone marrow, fetal neural tissue, fetal SC	x bone marrow, fetal neural tissue, fetal SC	x delivery to the CNS	

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US7871438	Senorx, Inc.					x			x	
US7947435	Seoul National University Industry Foundation	X				X A method for screening for a neuronal regeneration material, spinal cord slice treated with mesenchymal stem cells is used as a positive control	X mesenchymal stem cells			
US8022036	Sigma-Tau Industrie Farmaceutiche Riunite S.p.A.		X			X Method of treating graft vs. host disease in mammal receiving stem cells using thymosin alpha 1			X Treat graft vs. host disease in mammal receiving stem cells using thymosin alpha 1	
US7875072	SPIELBERG THEODORE E		x stent	x stent					x therapeutic method	x stent

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US7906331	St. Jude Children's Research Hospital	x	x		x	x	x breast cancer resistance protein (BRCP)-expressing SC			
US7994131	Stem Cell Therapeutics Corp.		X						X A method of treating a human with a disease or condition associated with damaged or diseased heart cells	
US7884072	Stem Cell Therapeutics Inc.		x				x neural SC		x delivery to the brain for Rx stroke, injury	
US7943376	Stem Cell Therapeutics Inc.	x			x		x neural progenitor cell	x brain tissue		

Publication Number	Assignee/Applicant Name	In vitro	In vivo	Composition	Method of making	Use/diagnostic use	Cell type	Tissue of origin	Therapy	Device
US8048619	StemCyte, Inc.		X			X Methods of treating hematopoietic malignancies using umbilical cord blood (plasma depleted) that contains CD34+ cells; stem cells may be added		X Umbilical cord blood	X Treating hematopoietic malignancies and disorders	
US8062837	StemCyte, Inc.			X Anticoagulated plasma-depleted umbilical cord blood and a cryoprotectant	X					
US8075880	Steward St. Elizabeth's Medical Center of Boston, Inc.		X			X CD34+ endothelial progenitor cells are administered to cardiac tissue	X Endothelial progenitor cells	X Blood	X Increasing angiogenesis in cardiac tissue	

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US7947499	Technion Research & Development Foundation Ltd.	X				X A method of dynamically generating embryoid bodies by culturing embryonic stem cells	X embryonic stem cells			
US7955851	Technion Research & Development Foundation Ltd.	X		X A cell culture comprising undifferentiated human pluripotent stem cells	X A method of culturing human pluripotent stem cells in an undifferentiated and proliferative state		X human pluripotent stem cells, comprising embryonic stem (ES) cells	X human		
US7915039	TEPLYASHIN ALEXANDER S	x			x		x mesenchymal SC	x fat, placenta		

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US8039257	The Board of Regents of the University of Nebraska		X			X Method of providing donor stem cells resistant to cytotoxicity in recipient, by using tissue from an animal treated with marrow from the recipient				
US7981935	The Board of Regents of the University of Texas System	X	X			X A method of inducing cardiogenic differentiation in a stem cell		X animal		
US8084023	The Board of Trustees of The University of Arkansas The United States of America as represented by the Department of Veterans Affairs	X		X Mesenchymal stem cell in 3D matrix			X Mesenchymal stem cells			

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US7927785	The Board of Trustees of the University of Illinois	x				x	x multipotent hematopoietic SC	x cord blood, peripheral blood, bone marrow		
US8026054	The Board of Trustees of the University of Illinois	X			X Method of making antibodies against fetal CD36+ stem cells.	X Making antibodies that can distinguish fetal CD36+ stem cells from maternal CD36+ cells.	X fetal CD36+ stem cells	X Maternal blood		
US8076091	The Brigham and Women's Hospital, Inc.	X				X Enriching stem cells from a cell mixture by using an antibody to a 7p P-glycoprotein.				
US7907769	The Charles Stark Draper Laboratory, Inc. University of Pittsburgh-of the Commonwealth System of Higher Education	x				x				

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US7920736	The Charles Stark Draper Laboratory, Inc. University of Pittsburgh-of the Commonwealth System of Higher Education	x				x identification of SC based on image features				
US7892578	The General Hospital Corporation		x				x bone marrow, peripheral blood cells, cord blood, expanded stem cells	x bone marrow, peripheral blood cells, cord blood, expanded stem cells	x hematologic disorders	
US7939062	The General Hospital Corporation		x				x blood progenitor cells	x donor peripheral blood progenitor cells	x blood reconstitution after irradiation	
US7943136	The General Hospital Corporation		x				x hematopoietic stem or progenitor cells		x drug treatment to increase ratio of normal to abnormal cells	

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US7951364	The General Hospital Corporation	X			X A method for enhancing bone marrow engraftment, including stem cells		X hematopoietic progenitor cells, including stem cells			
US7955247	The General Hospital Corporation		X						X A method of reversing cardiac remodeling, which may comprise stem cell	
US7955846	The General Hospital Corporation			X An isolated non-embryonic stem cell			X	X mammalian		
US8058067	The Open University		X		X Method of making tube from matrix seeded with fibroblasts and stem cells				X Induce peripheral nerve re-growth	X Tube formed from matrix seeded with fibroblasts and stem cells

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US7884066	The Regents of the University of California	x	x				x osteogenic (mesenchymal, fetal embryonic, stem cell)		x	
US7897588	The Regents of the University of California	x	x		x		x differentiate into osteoblasts, inhibit differentiation into adipocytes.	x mammalian mesenchymal SC		
US8044026	The Regents of the University of California		X	X NELL peptide and implants containing the NELL peptide					X Composition for promoting cartilage formation	
US7985601	The Regents of the University of California Northwestern University									X A polymer network, which may further comprise a cell, which may be stem cell

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US8005526	The Regents of The University of Michigan									X A biologically integrated bioelectrode device, which may comprise stem cell
US8043853	The Regents of the University of Michigan	X		X Neural crest stem cells			X Neural crest stem cells	X gut		
US8044259	The Regents of the University of Michigan	X				X Method of testing compounds on tumor stem cells from epithelium		X epithelial tissue		

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US7951592	The Scripps Research Institute	X			X A method of identifying compounds that induce dedifferentiation of mesenchymal lineage committed mammalian cells into multipotent mesenchymal stem cells		X multipotent mesenchymal stem cells			
US7906302	The Trustees of Columbia University in the City of New York		x						x contact dermatitis	
US8084593	The Trustees of Columbia University in the City of New York	X		X A stem cell that expresses a protein that blocks HIV						

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US7968126	The Trustees of Columbia University in the City of New York The Research Foundation of State University of New York	X				X A method of creating a bypass tract for a heart, comprising: growing mesenchymal stem cells in vitro	X human mesenchymal stem cells	X human		
US7993917	The United States of America as represented by the Secretary of the Army	X				X A method of obtaining a cellular product from a cell, stem cell				
US8075921	The United States of America as represented by the Secretary of the Department of Health and Human Services The Trustees of the University of Pennsylvania		X			X Treat leukemia patients with allogeneic rapamycin-resistant Th2 cells.	X Th2 cells (rapamycin resistant)		X Leukemia therapy	

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US8022269	The University of Queensland		X	X Transgenic plant sink cells, plant sink tissues, and plants that produce more soluble carbohydrates	X Method of making transgenic plants with different carbohydrate properties in sink tissue	X Methods of producing soluble carbohydrates using transgenic plants, plant tissues, and plant stem cells.	X plant stem cells, plant sink cells	X Plant		
US8058064	The University of Tokyo	X			X Make sac-like structure enclosing embryonic stem cells; Method of differentiating embryonic stem cells into blood cells.		X Embryonic stem cells			
US7875451	The University of Washington	x	x			x		x embryonic stem cells	x cardiac repair	
US7972856	The University of Washington	X			X An in vitro method of producing a vertebrate cell		X embryonic stem cell			

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US8039253	Tokyo Metropolitan Institute of Gerontology Chugai Seiyaku Kabushiki Kaisha	X			X Method of maturing oligodendrocyte progenitor cells	X For use with demyelinating diseases.	X oligodendrocyte progenitor cells	X Brain	X Treat demyelinating diseases	
US8066989	Trion Pharma GmbH		X			X Method for reducing or avoiding graft vs. host disease by administering allogeneic effector cells and antibodies.			X Reduce or avoid graft vs. host disease during tumor treatment	
US7939323	Universite Laval	x			x		x progenitors of endothelia, epithelial, smooth muscle, fibroblast-like	x umbilical cord		
US7888119	University of Central Florida Research Foundation, Inc.			x						

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US8080420	University of Central Florida Research Foundation, Inc.	X		X An inner ear hair cell produced from a neural stem cell	X Method of making an inner ear hair cell by biasing differentiation of a neural stem cell		X Inner ear hair cell			
US7875591	University of Delaware		x							x scaffold
US7897727	University of Delaware						x epithelial SC, mesenchymal SC			x
US7931893	University of Iowa Research Foundation				x transducing neural progenitor cell		x neural progenitor cell			
US7928284	University of Kentucky Research Foundation		x			x				
US7867752	University of Pittsburgh	x								
US7906110	University of Pittsburgh—of the Commonwealth System of Higher Education		x				x skeletal muscle progenitor cells	x skeletal muscle	x wound repair	
US7892766	University of Rochester		x						x	x

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US8057826	University of South Florida		X			X Method for reducing graft vs. host disease in organ transplant patient by administering mesenchymal progenitor cells	X Pluri-differentiated mesenchymal progenitor cells.		X To treat graft vs. host disease in organ transplant	
US7939058	University of Southern California		x					x self	x in vivo treatment to protect or restore peripheral blood cell counts during/after chemotherapy.	
US8080593	University of Southern California		X			X Method for reversibly adhering stem cells to a biological tissue				

Publication Number	Assignee/Applicant Name	In vitro	In vivo	Composition	Method of making	Use/diagnostic use	Cell type	Tissue of origin	Therapy	Device
US7932084	University of Virginia Patent Foundation	x culture method		x medium			x adipose-derived SC	x adipose-derived		
US7947079	University of Virginia Patent Foundation		X						X A method of fusing a spinal region, wherein the bone growth inducing material may be stem cell	
US7993821	University of Washington	X			X A method of isolating cancer cells, putative cancer stem cell		X putative cancer stem cell			
US7985585	Viacyte, Inc.	X		X An in vitro cell culture further comprising human embryonic stem cells			X human embryonic stem cells	X human		

Publication Number	Assignee/Applicant Name	In vitro	In vivo	Composition	Method of making	Use/diagnostic use	Cell type	Tissue of origin	Therapy	Device
US7989204	Viacyte, Inc.	X				X human definitive endoderm cells are differentiated in vitro from human embryonic stem cells	X embryonic stem cells	X human		
US7993916	Viacyte, Inc.	X				X use of stem cells to produce human definitive endoderm cells	X human pluripotent stem cells, embryonic stem cells	X human		
US7993920	Viacyte, Inc.	X	X			X A method for producing insulin	X human pluripotent stem cells	X human		

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US8003096	Vlaams Interuniversitair Instituut voor Biotechnologie VZW Life Sciences Research Partners VZW		X				X stem cells , bone marrow stem cells	X bone marrow,	X A method for enhancing recruitment of stem cells and/or progenitor cells used in patients	
US7943341	Wacker Chemie AG	x								
US7883847	Wake Forest University Health Sciences	x				x				
US7892532	Warsaw Orthopedic, In Emory University		x				x progenitor cell to differentiate into osteoblast			
US8071369	Whitehead Institute for Biomedical Research	X		X Somatic cell that expresses Oct4 and a candidate agent for testing ability to reprogram the cell			X mesenchymal stem cells, neural stem cells, hematopoietic stem cells			
US7892830	Wisconsin Alumni Research Foundation	x		x	x		x human pluripotent SC			

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US7947501	Wisconsin Alumni Research Foundation	X		X A population of pluripotent stem cells	X A method of creating a human pluripotent transgenic stem cell line		X human pluripotent transgenic stem cell	X human		
US8012751	Wisconsin Alumni Research Foundation	X		X A multipotent cell population		X A method for directing the differentiation of human embryonic stem cells into a population of multipotent cells	X human embryonic stem cells	X human		
US8034613	Wisconsin Alumni Research Foundation	X		X multipotent lymphohematopoietic progenitor cells	X Method of making lymphohematopoietic progenitor cells by co-culture with stromal cells		X multipotent lymphohematopoietic progenitor cells			

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US8062890	Wisconsin Alumni Research Foundation	X		X Array for cell culture of stem cells; human stem cell cultures		X Method of identifying ligands to specific cells to induce growth.				
US7988951	Yale University		X						X A method for suppressing the immune response of an intended transplant recipient receiving a transplantation of bone marrow or stem cells	
US8029780	Yeda Research and Development Co. Ltd.	X			X Method of collecting and treating stem cells for transplant	X Treated stem cells have increased chemoattraction to the liver.		X Umbilical cord blood; mobilized adult blood	X Liver Treatment	

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US7951582	Yissum Research Development Company of the Hebrew University of Jerusalem	X			X A method of identifying cells of interest in a cell sample, which may be stem cell		X hematopoietic stem cells, mesenchymal stem cells, adult stem cells			
US8007535	Zimmer Spine, Inc.		X					X mesenchymal stem cells		X A spinal implant system for implantation which may comprise mesenchymal stem cells