

Publication Number	Assignee/Applicant Name	In vitro	In vivo	Composition	Method of making	Use/diagnostic use	Cell type	Tissue of origin	Therapy	Device
US6982362	Inoue; Keizo Arai; Hiroyuki				X Transgenic cmouse		X Embryonic			
US6984383	Genetics Institute, LLC		X			X	X Adult		X Cell transplantation	
US6984522	Regents of the University of Michigan	X In vitro screens		X Stem cell population			X adult	X tumor		
US6986887	Morphogenesis, Inc.	X In vitro method					X Adult human stem cells			
US6987102	Anormed, Inc.				X Isolating adult stem cells		X adult			
US6989030	Japan Tissue Engineering Co., Ltd.		X Tissue implant	X Bone tissue implan			X Adult bone stem cells			
US6994858	Oncolytics Biotech Inc.	X Selecting cell comp. for transplantation					X Hematopoietic stem cells			
US6995298	Millennium Pharmaceuticals, Inc.				X Making transgenic mouse		X Embryonic stem cells			
US6998249	Pharmacia & Upjohn Company	X screen				X Toxicity screen	X Stem cells (adult and embryonic)			
US6998266	Institute National de la Recherche Agronomique Centre National de la Recherche Scientifique (CNRS) Ecole Normale Superieur de Lyon	X Culture medium		X Culture medium			X Embryonic	X Avian embryonic stem cells		
US6998514	Babraham Institute				X Transgenic mouse		X embryonic			
US7005252	Wisconsin Alumni Research Foundation	X			X Culturing without medium		X Primate embryonic			
US7005299	The University of Edinburgh	X			X Transformed embryonic stem cell		X Mouse embryonic stem cell			
US7011828	ES Cell International Pte. Ltd.		X In vivo transplantation method		X Human adult stem cells for transplantation		X Human neural progenitor adult	X Neuronal		
US7011829	Shin-ichi Kanemaru , Osaka		X				X Adult mesenchymal		X Vocal cord reconstruction	
US7019192	Musculoskeletal Transplant Foundation			X Bone composition for reconstruction			X X Adult			
US7019194	HANSSON LENNART EGELRUD TORBJOERN				X Transgenic mouse		X Embryonic			
US7026292	Stryker Corporation		X				X Adult Progenitor		X Method for inducing bone marrow formation	X device
US7029666	Osiris Therapeutics, Inc.		X				X Adult mesenchymal		X Method for promoting muscle tissue growth	
US7029913	Wisconsin Alumni Research Foundation	X		Human embryonic stem cell composition				X Embryonic q		
US7029915	University of Florida Research Foundation, Inc.				X Making a cell composition			X Hepatic stem cell		
US7030291	Deltagen, Inc.				X Transgenic mouse		X Embryonic	X Embryo		
US7033995	Stem Cell Therapeutics Inc.		X				X Adult	X Neural	X	
US7034200	Ludwig Institute for Cancer Research	X			X Transgenic mouse		X embryonic	X Embryonic		
US7037719	StemCells California, Inc.	X			X Enriched stem cell population		X adult	X CNS		
US7037720	University of Utah Reseach Foundation				X Enriched stem cell population					
US7037721	Hy-Gene Biomedical, Inc.	X		X Culture medium			X Adult	X Epidermal keratinocytes		
US7037892	Astellas Pharma Inc.		X		X Proliferating hematopoietic stem cells		X adult	X Hematopoietic stem cells	X	

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US7041507	Cedars-Sinai Medical Center	X			X Method of differentiating		X Adult	X Epiderman basal cell		
US7045148	Anthrogenesis Corporation	X			X Isolating stem cells		X adult	X Hematopoietic stem cells		
US7048856	Regents of the University of Michigan Cleveland Clinic Foundation	X					X Adult			X Device to purify
US7048934	Stem Cell Therapeutics Inc.									
US7049072	University of South Florida	X				X Diagnose leukemia	X Adult	X Bone marroe, mesenchymal		
US7049139	Singapore Eye Research Institute	X			X Conjunctival tissue equivalents		X Adult	Conjunctival stem cells		
US7049141	StemCells California, Inc.	X			X Composition of neural stem cells		X Adult	X Neural		
US7052518	Olympus Corporation	X		X Artificial Bone	X Artificial Bone		X Adult	X Bone, etc.		
US7052907	The United States of America as represented by the Department of Health and Human Services	X		X Isolated composition of human dental pulp stem cells	X Making an isolated human dental pulp stem cells		X Adult	X Dental pulp stem cells		
US7056734	The United States of America as represented by the Department of Health and Human Services, NIH	X		X Isolated population of insulin producing cells	X Method of making an isolated population of insulin producing cells		X Adult	X Pancreatic stem cells		
US7060494	Reliance Life Sciences Pvt. Ltd.	X			X Human mesenchymal stem cells population		X Adult	X Umbilical cord blood		
US7067118	Immunex Corporation	X	X		X Hematopoietic stem cell populations		X Adult	X Hematopoietic	X Expanding in vivo	
US7067123	Musculoskeletal Transplant Foundation	X	x	X Cartilage replacement	X Cartilage replacement	X Repair cartilage	X Adult	X Bone and Blood	X Repair	
US7067316	Cytomatrix, LLC	X					X Adult	X Hematopoietic		X Device for culturing
US7070759	NeoRx Corporation		X				X Adult	X Bone marrow	X Treating leukemia	
US7070996	Rigel Pharmaceuticals, Inc.	X			X Cultured mast cells		X Adult	X CD34 positive stem cell		
US7071373	The Board of Trustees of the University of Illinois		X	Transgenic ungulate	X Making transgenic ungulate		X Embryonic	X Cultured ungulate embryo		
US7074397	Genentech, Inc.	X	X		X Enhancing hemaptoeitic cells		X Adult	X hematopoietic	X Repopulate blood	
US7074771	The Trustees of Columbia University in the City of New York	X	X		X Induce chicken neural progenitor cells		X Adult	X Chicken neural		
US7074812	Nutraleutical Development Corporation		X		X Develop muscle mass		X Adult	X Stem cells		
US7078231	Raven biothechnologies, inc.		X				X Adult	X human pancreatic progenitor	X Cell Therapy	
US7078232	Artecel, Inc.		X	X Isolated adipose derived adult stem cells	X Isolated adipose derived adult stem cells		X Adult	X Adipose	X Teating articular cartilage defect	
US7083977	Tanabe Seiyaku Co., Ltd.	X			X Producing embryonic stem cell		X Embryonic	X Mucaca fuscata		
US7083979	Indiana University Foundation	X Transduced hematopoieitic stem cells		X Transduced hematopoieitic stem cells	X Transduced hematopoieitic stem cells		X Adult	X Hematopoietic		
US7091035	The United States of America as represented by the Department of Health and Human Services	X					X Adult			X
US7094885	NeoRx Corporation		X				X Adult	X Bone marrow	X Treat bone associated cancer	

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US7101539	Eli Lilly and Company		X				X Adult		X Increase hematopoietic progenitor cells	
US7101704	Osiris Therapeutics, Inc.	X		X Mesenchymal stem cells	X Composition of mesenchymal stem cells		X Adult	X Mesenchymal		
US7101708	Yeda Research and Development Co. Ltd.	X			X Human hematopoietic stem cells		X Adult	X Hematopoietic		
US7101709	Neurospheres Holdings Ltd.	X				X Screen biological agents	X Adult	X Multipotent neural stem cells		
US7101710	TSAI MING-SONG HWANG SHIAW-MIN	X			X Harvesting mesenchymal stem cell population		X Adult	X Primary amniotic fluid cells		
US7105344	Axiogenesis AG	X		X Cell culture			X Embryonic	X Embryo		
US7109032	Consorzio per la Gestione del Centro di Biotecnologie Avanzate Istituto Nazionale per la Ricerca Sul Cancro	X			X Method to culture mesenchymal stem cells		X Adult	X mesenchymal		
US7112437	ES Cell International Pte. Ltd.	X			X Making human neural progenitor cell		X Embryonic	X Embryo		
US7112576	Regents of the University of Minnesota			X Frozen stem cells			X Hematopoietic stem cells	X Hematopoietic stem cells		
US7115267	Wellstat Therapeutics Corporation				X Stimulating stem cell differentiation					
US7115360	Regents of the University of Michigan	X				X Screen test compounds to inhibit tumorigenesis	X Adult	X Tumor stem cells		
US7115417	CHANCELLOR MICHAEL B HUARD JOHNNY CAPELLI CHRISTOPHER C QU ZHUQING				X Isolating skeletal muscle derived progenitor cells		X Adult	X Skeletal muscle derived progenitor cells		
US7115418	Neurospheres Holdings Ltd.	X			X Proliferating a culture of undifferentiated neural cells		X Adult	X neural		
US7118748	University of Southern California				X Accelerating proliferation of hematopoietic stem cells		X Adult	X hematopoietic		
US7125659	Chugai Seiyaku Kabushiki Kaisha	X				X Screen compounds	X Adult	X hematopoietic		
US7129034	Cedars-Sinai Medical Center	X			X Generate neural progenitor cells		X Adult	X Whole bone marrow		
US7131958	MacoPharma	X			X Collecting placental blood		X Placenta			X
US7132286	Psychiatric Genomics, Inc.	X			X Mammalian neural cells		X Adult	X neural		
US7132287	Psychiatric Genomics, Inc.	X			X Mammalian neural cells		X Adult	X neural		
US7135608	The Salk Institute for Biological Studies		X		X Transgenic non-human mammal		X Embryonic	X embryo		
US7138144	Askenasy, Nadir		X		X Inducing toleranc		X Adult	X Bone marrow	X Induce toleranc	
US7141072	Ed. Geistlich Soehne AG fuer Chemische Industrie		X		X Promoting cartilage regeneration		X Adult	X mesenchymal stem	X Repairing joints	
US7141379	Asahi Kasei Kabushiki Kaisha	X			X Hematopoietic cells		X Adult	X hematopoietic		
US7141716	The General Hospital Corporation	X		X Hematopoietic stem cell population	X Hematopoietic stem cell population		X Adult	X Hematopoietic stem cell		
US7145055	Central Institute for Experimental Animals									

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US7145056	Abgenix, Inc./Japan Tobacco, Inc.			X Transduced mouse embryonic stem cell Transgenic mouse			X Embryonic	X embryo		
US7145057	Origen Therapeutics, Inc.			X Transgenic chicken			X Embryonic	X embryo		
US7147846	Zimmer Orthobiologics, Inc.				X Prosthetic graft		X Adult	X Hematopoietic and bone marrow progenitor	X Prosthetic graft	
US7148062	WiCell Research Institute, Inc.	X			X Make human trophoblast cells		X Embryonic	X embryo		
US7150989	Cornell Research Foundation, Inc.	X		X Immortalized neural progenitor cells	X Immortalized neural progenitor cells		X Adult	X Neural progenitor cells		
US7150990	ReproCell, Inc.	X		X Isolated pluripotent mouse fetal hepatic cell			X Adult	X Fetal hepatic stem cells		
US7150992	Innux Corporation	X			X Dendritic cell population		X Adult	X Hematopoietic stem cells		
US7151200	Ortho-McNeil Pharmaceutical, Inc.				X Transgenic mouse		X Embryonic	X Embryo		
US7153500	Osiris Therapeutics		X				X Adult	X Mesenchymal stem cells	X Treating a patient in need of megakaryocytes	
US7153501	The Scripps Research Institute			X			X Adult	X Hematopoietic		
US7153650	Geron Corporation	X				X Testing degree of differentiation	X Embryonic	X embryo		
US7153684	Vanderbilt University	X		X PGC-derived stem cell			X Embryonic	X Germ cells		
US7153686	Stemcells California, Inc.	X		X Population of neural cells enriched for neurosphere initiating stem cells			X Adult	X neural		
US7155288	Medtronic, Inc		X				X Adult	X Myocardial stem cells	X Repairing myocardium	X
US7157080	Fidia Advanced Biopolymers, SRL.		X				X Adult	X Chondrocytes	X Treating cartilage damage	
US7160724	University of South Florida	X		X Mononuclear cell population	X		X Adult	X Umbilical cord blood		
US7160725	Curis, Inc.	X		X 3-dimensional cartilage matrix	X 3-dimensional cartilage matrix		X Adult	X Mesenchymal		
US7166277	Neurospheres Holdings Ltd.	X	X	X	X Myelin forming cells		X Adult	X Neural stem cells	X Treating demyelination disease	
US7166280	Franco; Wayne P.		X				X Adult	X Adult stem cells	X cardiomyopathy	
US7166763	Trustees of Dartmouth College Massachusetts Institute of Technology (MIT)		X Transgenic mouse		X Mouse model of myxomatous valvular disease		X Embryonic	X embryo		
US7169750	Anomed, Inc.		X		Isolating stem cells from a subject		X Adult	X any	X	
US7176023	Wisconsin Alumni Research Foundation	X			X Directing differentiation		X Embryonic	X primate		
US7176345	Dana-Farber Cancer Institute, Inc.		X	X Non-human transgenic animals	X Non-human transgenic animals		X Embryonic	X embryo		
US7179643	Reliance Life Sciences Pvt. Ltd.	X					X adult	X Hematopoietic stem cells		X

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US7186409	The Children's Medical Center Corporation The General Hospital Corporation Northeastern Ohio Universities College of Medicine		X				X Adult	X Neural stem cells	X Delivering toxic 5-FU to tumor cells in the brain of a mammal	
US7186558	INSERM	X			X Differentiating to keratinocytes		X Embryonic	X embryo		
US7192769	Cytomatrix, LLC	X			X Lymphoid tissue specific cells		X Adult	X Hematopoietic		
US7198641	Aderans Research Institute, Inc.	X		X Porous scaffold	X Porous scaffold		X Adult	X Hair follicle progenitor cells		
US7198909	University of Medicine & Dentistry of New Jersey	X	X		X Transformed myeloid-committed stem cells		X Adult	X myeloid-committed stem cells		
US7198950	Institut Clayton de la Recherche	X		X Transformed hematopoietic stem cell			X Adult	X Hematopoietic		
US7199280	Mixis France S.A.			X Diploid mammalian cell	X		X Embryonic	X embryo		
US7202080	Ixion Biotechnology, Inc.	X			X Pancreatic cells		X Adult	X Hematopoietic and mesenchymal		
US7204979	Neurospheres Holdings Ltd.	X		X Hematopoietic cells	X Hematopoietic from neural stem cells		X Adult	X neural		
US7211434	Van Der Kooy; Derek	X			X Pluripotent mammalian stem cells Neural cells	X screen	X Embryonic	X embryo		
US7214372	University of Utah Research Foundation		X				X Adult	X Human glial restricted precursor cells	X Increasing re-myelination of neurons	
US7214850	Arexis AB		X	X Transgenic mouse	X Transgenic mouse		X Embryonic	X Embryo		
US7217565	StemCells California, Inc.	X		X Enriched population of neural stem cells	X Enriched population of neural stem cells		X Adult	X Neural		
US7217569 **	THOMSON JAMES A	X		X Clonal human embryonic stem cell population	X Clonal human embryonic stem cell population		X Embryo	X Human embryo		
US7220584	Wisconsin Alumni Research Foundation	X			X Differentiated human cell		X Embryonic	X embryo		
US7229827	FCB-Pharmicell Co., Ltd. LifeCord International Co., Ltd.	X			X Neural cells		X Adult	X Mesenchymal stem cells		
US7247477	Technion Research & Development Foundation Ltd.	X			X Preparubg vasculogenic progenitor cells		X Embryo	X embryo		
US7247480	ISIS Innovation Limited	X			X Human or mouse dendritic cells		X Embryonic	X Embryo		
US7252995	Fu; Yu-Show	X			X Neurons		X Embryonic and adult	X Embryonic, bone marrow, hematopoietic, cord blood		
US7253334	Aurox, LLC	X			X Cloning non-human animal		X Embryonic	X embryo		
US7255879	Anthrogenesis Corporation	X			X Collecting hematopoietic stem cells		X Adult	X placenta		
US7256041	The University of Edinburgh	X		X Isolated mammalian stem cell population			X Adult	X Any progenitor		
US7256042	Geron Corporation	X			X Hepatocyte lineage cells		X Adult	X Primate pluripotent stem cells		

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US7259011	New York Medical College			X Human pluripotent stem cells			X Adult	X Bone marrow, skeletal		
US7264793	Japan Science and Technology Corporation		X				X Neural		X Potentiating neural stem cells proliferating activity	
US7264968	President and Fellows of Harvard College	X			X Inducing cell to differentiate to neurons		X Adult	X Stem cell		
US7266483	Optimata Ltd.									
US7267981	Technion Research & Development Foundation Ltd.	X		X Embryonic stem cell culture	X Embryonic stem cell culture		X Embryonic	X embryo		
US7270810	Yeda Research and Development Co. Ltd.		X				X Adult	X Hematopoietic	X Preventing or decreasing GVHD	
US7270829	VAN EELEN WILLEM FREDERIK	X		X Meat product			X Adult	X Stem cells generally		
US7270998	Japan Science and Technology Corporation	X				X Identifying neurons	X Embryonic	X ES		
US7271187	Neuberger; Tim Herzberg; Uri Mallon; Veronica		X				X Adult	X Neuronal	X Treating spinal cord injury	
US7276371	Point Therapeutics, Inc.	X			X Stimulating hematopoietic stem cells		X Adult	X Hematopoietic stem cells		
US7279332	NeuroNova AB	X				X Screening test compounds	X Adult	X Neural stem cell		
US7282201	Asubio Pharma Co., Ltd.	X	X		X Expanding hematopoietic stem cells		X Adult	X Hematopoietic stem cells		
US7282222	The United States of America as Represented by the Department of Veterans Affairs		X				X Adult	X Hematopoietic, mesenchyma	X Targeting stem cells to heart and liver	
US7288405	Cornell Research Foundation, Inc.	X					X Adult	X Stem cells generally		X
US7288521	FRANCO WAYNE P		X		X Obtaining peripheral blood stem cells		X Adult	X Peripheral blood stem cells		
US7288522	The University of Southern California		X				X adult	X Erythroid progenitor cells	X	
US7291345	Osteotech, Inc.		X	X Composite for implant			X Adult	X Mesenchymal		
US7291450	Smith & Nephew, Inc. Pall Corporation	X			X Making cell concentrate		X Adult	X Mesenchymal or hematopoietic stem cells		
US7291597	FRANCO WAYNE P		X		X Method for obtaining peripheral blood stem cells		X Adult	X Peripheral blood stem cells	X Obtaining peripheral blood stem cells	
US7294331	Immunex Corporation		X				X Adult	X Hematopoietic	X Hematopoietic stem cells therapy	
US7294334	Advanced Cardiovascular Systems, Inc.		X			X Method of identifying an infarct region	X Adult	X Myocardial stem cells		
US7294510	Japan Science and Technology Corporation	X			X Embryoid bodies, Neural stem cells, Motor neurons		X Embryonic	X Embryo		

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US7297329	The Board of Trustees of the Leland Stanford Junior University		X				X Adult	X Lymphoid lineage	X treatment	
US7297538	Cardio3 S.A.	X					X adult	X Bone marrow stem cells		X
US7297539 **	Geron Corporation	X			X Human embryonic stem cells		X Embryonic	X embryo		
US7297540	Yissum Research Development Company of the Hebrew University of Jerusalem				X Method of making a micro-organ		X Adult	X Stem cells	X Generating an artificial organ	
US7299805	MarcTec, LLC		X				X Adult	X		
US7300760	The Board of Trustees of the Leland Stanford Junior University	X			X Enriched population of myeloid lineage progenitors		X Adult	X Hematopoietic stem cells		
US7303769	University of South Florida	X			X Purifying mesenchymal stem cells		X Adult	X Mesenchymal progenitor cells		
US7309232	Dentigenix Inc.		X				X Adult	X Dental pulp stem cells	X Trating teeth	X
US7309811	Elan Pharmaceuticals, Inc Pharmacia & Upjohn Company			X Mouse embryonic stem cell			X Embryonic	X embryo		
US7311904	Anthrogenesis Corporation			X Tissue matrix composition	X A tissue matrix composition		X Adult	X Placental stem cells		
US7311905	Anthrogenesis Corporation	X		X Tissue matrix composition	X Tissue matrix composition		X Adult	X Human placental stem cells		
US7312025	University of Washington	X		X Retinal cell culture	X Method for producing retinal stem cells		X Adult Retinal stem cells	X Retinal stem cells		
US7312078	Gamida Cell Ltd. Hadasit Medical Research Services and Development, Ltd.	X		X Expanded hematopoietic stem cells			X Adult	X Hematopoietic		
US7312081	The Trustees of Columbia University in the City of New York The Regents of the University of California	X			X Method of making ventral neuron		X Adult	X Neural stem cells		
US7312374	AviGenics, Inc		X		X Transgenic avian		X Embryonic	X embryo		
US7320872	NeuroNova AB			X Isolated neural CNS stem cell			X Adult	X Neural		
US7323011	Musculoskeletal Transplant Foundation			X Sterile bone composition comprising stem cells			X adult	X Mesenchymal	X Treating bone disorders	
US7323334	The Regents of the University of California				X Modulating neurogenesis		X Adult	X Neural stem cell	X Modulating Neurogenesis	
US7323616	Vertex Pharmaceuticals, Inc. Yale University		X	X Transgenic mouse			X Embryonic	X Embryo		
US7323618	Origen Therapeutics, Inc.		X Transgenic chicken				X Embryonic	X embryo		
US7326572	Geron Corporation	X			X Endoderm cells		X Embryonic	X Embryo		
US7329645	Applied Protein Sciences, LLC		X		X Inducing activity of CD34 cells		X Adult	X Hematopoietic cells	X Induce activity of CD34 cells	
US7332157	The General Hospital Corporation		X				X Adult	X Hematopoietic	X Graft to human	
US7332330	RenaMed Biologics, Inc.	X					X Adult	X Hematopoietic		X
US7332336	Effector Cell Institute, Inc.	X			X Inducing differentiation		X Adult and embryonic	X Mesenchymal and embryo		
US7335508	ProChon Biotech Ltd.	X		X Porous matrix comprising stem cells	X Method of making porous stem cells		X Adult	X Adult stem cells		
US7335646	Engene, Inc.		X				X Adult	X Multipotent progenitor cells	X Treating diabetes	

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US7338517	University of South Carolina			X Tissue scaffold comprising stem cells			X Adult	X Stem cells		
US7338657	BioSphere Medical, Inc.			X Injectable composition containing stem cells			X Adult	X Mesenchymal stem cells	X	
US7341062	Bioheart, Inc.		X				X Adult	X All types of adult stem cles	X Repair myocardium of an individual	
US7341871	The Regents of the University of Michigan	X			X Expressing a nucleic acid		X Embryonic	X Embryo		
US7344881	Gamida Cell Ltd.	X			X Expanding hematopoietic stem cells		X Adult	X Hematopoietic stem cells		
US7345025	Johnson & Johnson Research Pty. Limited		X	X Hematopoietic stem cells			X Adult	X Hematopoietic stem cells	X X Engraftment of hematopoietic stem cells	
US7347876	TSAI RAY JUI-FANG	X Creat surgical graft		X Surgical graft containing stem cells	X Surgical graft		X Adult	X fetal	X Surgical graft	
US7351421	SUNG HSING-WEN CHEN MEI-CHIN TU PETER Y TU HOSHENG		X				X Adult	X Endothelial progenitor cells	X Treating atherosclerotic plaques	
US7351841	Nissan Chemical Industries, Ltd.									
US7354729"	HemoGenix, Inc.		X			X Determining proliferation status	X Adult	X hematopoietic		
US7354730	HemoGenix, Inc.	X				X Determining proliferation status	X Adult	X hematopoietic		
US7354763	Technion Research & Development Foundation Ltd.	X		X Method of generating vascular smooth muscle cels			X Embryonic	X embryo		
US7354932	Anomed, Inc.		X Isolated progenitor cells		X Isolated progenitor cells		X Adult	X progenitor		
US7361505	Neurospheres Holdings Ltd.	X		X Purified multipotent neural stem cells			X Embryonic and adul	X Embryonic and fetal		
US7368115	Stem Cell Therapeutics Inc.	X			X Enhancing neural stem cell		X Adult	X Neural stem cells		
US7371400	The General Hospital Corporation	X					X Adult	X Numerous adult stem cells		X Device for culturing stem cells
US7371922	The Board of Trustees of the University of Illinois									
US7375077	The Board of Trustees of the University of Illinois			X Scaffold comprising stem cells			X Adult	X Various progenitor cells		
US7378277	The United States of America as represented by the Department of Health and Human Services	X			X Detecting T cell mediated anti-cancer cel activity		X Adult	X Hematopoietic stem cells		
US7378569	Animal Technology Institute Taiwan			X Transgenic pid			X Embryonic	X embryo		
US7381561	StemCells California, Inc.	X			X Method for producing CNS cells		X Adult	X Neural stem cells		
US7384784	Ottawa Health Research Institute			X Muscle stem cell			X Adult	X muscle		
US7387772	Immunimedics, Inc.									
US7390484	Cytori Therapeutics, Inc.	X					X adult	X Adipose-derived stem cells		X
US7390657	WiCell Research Institute, Inc.	X			X Testing agents		X Embryonic	X embryo		
US7390659	The Trustees of Columbia University in the City of New York	X			X Identifying a therapeutic agent		X Embryonic	X embryo		

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US7393526	Children's Medical Center Corporation		X				X Adult	X Neural stem cells	X Delivering therapeutic agent to a subject	
US7393686	The Trustees of Columbia University in the City of New York The Regents of the University of California	X			X Convert neural stem cell		X Adult	X Neural stem cell		
US7399632	Angioblast Systems, Incorporated	X			X Method to enrich for mesenchymal stem cells		X Adult	X Mesenchymal stem cells		
US7410773	Ghazi Jaswinder Dhoot	X			X Method of increasing the number of stem cells; Identifying agent		X Adult	X Progenitor cells		
US7410797	OGLE ROY C THOLPADY SUNIL			X			X Adult	X Nerve stem cells		
US7410798	Geron Corporation	X			X Method for culturing stem cells		X Embryonic	X embryo		
US7413734	Ethicon, Incorporated		X				X Adult	X Fetal	X Treating a patient having retinitis	
US7413865	Roslin Institute (Edinburgh)	X				X Method of diagnosis of transmissible spongiform encephalopathy	X Adult	X Hematopoietic stem cells		
US7413897	University of North Carolina at Chapel Hill Vesta Therapeutics, Inc.			X			X Adult	X Hepatic stem cells		
US7413902	Geron Corporation	X			X Culturing primordial stem cells		X Adult	X Primordial stem cells		
US7416887	Novartis AG	X			X		X Adult	X Hematopoietic stem cells		
US7417026	Children's Hospital Medical Center		X				X Adult	X Peripheral blood lymphocytes	X	
US7419798	Zybac LLC	X				X Method of detecting bacteria in a sample	X Adult	X Bone marrow stem cells		
US7419825	Children's Hospital of Orange County	X			X Enriching neural stem cells		X adult	X Neural stem cells		
US7422736	Food Industry Research and Development Institute	X			X Producing pluripotent stem cells		X adult	X mesenchymal		
US7422897	North Carolina State University			X Sustained culture of undifferentiated chicken cells	X Sustained culture of undifferentiated chicken cells		X embryonic	X embryo		
US7422900	The Regents of the University of Michigan	X			X Connective tissue or a tendon construct		X adult	X Stem cells that can differentiate into fibroblast cells		
US7425448	Geron Corporation	X			X Human cardiomyocytes		X embryonic	X embryo		
US7427284	University of Leeds		X		X Repairing damaged tissue		X Adult	X Mesenchymal	X Repairing damaged tissue	
US7427502	Massachusetts Institute of Technology	X				X Identifying stem cell of interest	X adult	X Organ specific stem cell		

Publication Number	Assignee/Applicant Name	In vitro	In vivo	Composition	Method of making	Use/diagnostic use	Cell type	Tissue of origin	Therapy	Device
US7427603	The Children's Medical Center Corporation	X	X		X Enhancing hematopoietic stem cell differentiation		X adult	X hematopoietic	X Treating to enhance hematopoietic stem cell differentiation	
US7429378	DePuy Spine, Inc.		X				X adultq	X mesenchymal	X Treating degenerative disc disease	
US7429383	The General Hospital Corporation		X				X adult	X Hematopoietic	X Enhancing the growth of hematopoietic stem cells	
US7429488	Cytori Therapeutics, Inc.	X			X Process Adipose stem cells		X adultq	X adipose		
US7429489	Gamida Cell Ltd./Hadasit Medical Research Services and Development, Ltd.	X		X Expanded hematopoietic stem cell population	X Expanded population of stem cells		X adult	X hematopoietic		
US7431932	Oncolytics Biotech Inc.	X	X		X Reducing tumor risk		X adult	X hematopoietic	X Treating patient with HSC	
US7432101	Vivalis	X			X Reducing replication of recombinant vaccinia virus		X embryonic	X Chicken embryo		
US7432104	BresGen Inc.	X		X Human embryonic stem cell culture	X Producing undifferentiated embryonic stem cells		X embryo	X embryo		
US7432236	The United States of America as represented by the Secretary of the Department of Health and Human Services		X				X adult	X Hematopoietic stem cell	X Stimulating production of HSC	
US7432251	Institut Pasteur		X				X Adult	X Neural stem cells	X Directing migration of cells to CNS	
US7435585	University of Pennsylvania	X	X		X Autostimulating a cell		X adult	X Any stem cell		
US7435586	The University of Queensland	X			X Generating a substantially homogeneous population of cells		X adult	X neural		
US7435591	Fred Hutchinson Cancer Research Center			X Isolated transgenic somatic or embryonic stem cell			X Adult and embryo	X Adult and embryonic		
US7438902	The General Hospital Corporation		X				X adult	X Pancreatic stem cell	X Treating diabetes	
US7439064	Wicell Research Institute, Inc.	X		X Culture of human embryonic stem cells	X Making a culture of human embryonic stem cells		X embryonic	X embryo		
US7439066	University of Iowa Research Foundation	X		X Isolated neural progenitor stem cell			X adult	X neural		
US7439332	Kirin Pharma Kabushiki Kaisha			X Isolated polypeptide			X adulte	X Erythroid progenitor cells		
US7442390	University of South Florida		X				X adult	X Hematopoietic	X Enhancing engraftment	
US7442397	Regents of the University of Minnesota		X				X adult	X Stem or progenitor cells	X Delivering stem cells in vivo	
US7442545	Stemcell Technologies, Inc.	X				X Identifying a stem cell population	X Adult	X neural		
US7442548	Wisconsin Alumni Research Foundation	X		X Embryonic cell culture	X New line of embryonic stem cells		X embryonic	X embryo		

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US7445931	Bresagen, Inc. Medical College of Georgia Research Institute	X			X A human neural cell		X adult	X Pluripotent human cell		
US7449180	KISIDAY JOHN GRODZINSKY ALAN ZHANG SHUGUANG			X Scaffold containing embryonic stem cells			X embryonic	X embryo		
US7449334	Wisconsin Alumni Research Foundation	X		X Embryonic stem cell culture	X Method of making embryonic stem cell culture		X Embryonic	X embryo		
US7452532	SciCoTec GmbH		X				X adult	X Myocardial stem cells	X Repairing a heart	
US7452662	Hema-Quebec	X			X Method for culturing hematopoietic stem cells		X adult	X Hematopoietic		
US7452718	Geron Corporation	X			X Differentiating pluripotent cells		X embryonic	X embryo		
US7455962	Toudai TLO. Ltd.	X			X Method of making a population		X adult	X Hematopoietic		
US7459152	Rush University Medical Center		X				X adult	X neural	X Treating parkinsonism	
US7459307	Medipost Co., Ltd Ha; Chul-Won		X	X			X adult	X Mesenchymal stem cells	Articular cartilage damage	
US7459600	The University of Edinburgh	X		X Non-human transgenic animal	X Making non-human transgenic animal		X embryonic	X embryo		
US7462483	The General Hospital Corporation	X		X Isolated hematopoietic stem cell			X adult	X Hematopoietic		
US7465582	Neuro Therapeutics AB	X			X Inducing neuronal fate		X adult	X neural		
US7468276	Anthrogenesis Corporation			X Isolated placental stem cell			X adult	X Placental stem cell		
US7468277	Cornell Research Foundation, Inc. Japan Science and Technology Corporation			X Enriched neural stem cells			X adult	X neural		
US7470537	HEDRICK MARC HIKATZ ADAM JILL LULL RAMON FUTRELL J WILLIAM BENHAIM PROSPER LORENZ HERMANN PETER ZHU MIN			X Adipose-derived stem cells			X adult	X Adipose-derived stem cells		
US7470538	Case Western Reserve University		X				X adult	X fetal	X	
US7473420	Cytori Therapeutics, Inc.	X		X Method for processing stem cells			X adult	X Adipose-derived stem cells	X	
US7473555	Geron Corporation	X			X Process for differentiating primate pluripotent stem cells		X Adult and embryonic	X Embryo and pluripotent		
US7473556	Isis Innovation Limited	X			X Method of making mouse dendritic cells		X embryo	X embryonic		
US7476538	Centre National de la Recherche Scientifique L'Oreal	X			X Method for enriching keratinocyte stem cells		X adult	X Keratinocyte stem cells		
US7476541	Dutra; Timothy F.	X						X Stem cells		X
US7476547	BioE, Inc.	X			X Method for separating stem cells		X adult	X Hematopoietic stem cells		
US7476776	Seoul National University Industry Foundation Avicore Biotechnology Institute Inc. Hanmi Pharm. Co. Ltd.		X	X Chimeric chicken	X Transgenic chickens		X embryo	X Chicken embryo		
US7476779	Agriomics LLC		X	X Altered plant			X adult	X Plant cells		
US7488574	Sysmex Corporation	X					X adult	X Stem cells		X
US7491385	GeneGrafts Ltd.		X				X adult	X Neural stem cells	X	

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US7491866	Board of Regents University of Texas System	X		X Rat stem cell line			X adult	X Rat spermatogonial stem cell line		
US7491868	The General Hospital Corporation		X	X Transgenic			X embryonic	X embryo		
US7494459	Biophan Technologies, Inc.									
US7494644	The Regents of the University of California		X		X An in vivo electrical connection		X adult	X Mesenchymal stem cell	X	
US7494807	The Board of Trustees of the Leland Stanford Junior University	X			X Method for enriching for megakaryocyte progenitor cells		X Adult	X Megakaryocyte progenitor cells		
US7494811	LifeNet Health	X			X Method for growing new bone		X adult	X Bone forming cells		
US7497686	Odontis Ltd., Intercytek Ltd.		X				X adult	X Tooth stem cells	X	
US7498168	Odontis Limited	X			X A tooth progenitor cell		X embryonic	X embryo		
US7498171	Anthrogenesis Corporation	X			X Method for promoting differentiation of hematopoietic stem cells		X adult	X Hematopoietic stem cells	X Promoting differentiation of stem cells	
US7501115	Cytori Therapeutics, Inc.	X					X adult	X Adipose derived stem cells		X
US7501281	Maine Medical Center Research Institute	X			X Method for producing a population of pluripotent stem cells		X adult	X neural		
US7504099	Yissum Research Development Company of the Hebrew University of Jerusalem		X				X adult	X Mesenchymal stem cell	X Regenerating tendon or ligament	
US7504100	Cedars-Sinai Medical Center		X				X adult	X Neural	X	
US7504257	ES Cell International Pte. Ltd.	X			X Method for producing human neural progenitor cells		X embryonic	X embryo		
US7504258	Cytograft Tissue Engineering, Inc.		X		X Method of making a living stent		X adult	X All types of adult stem cells	X	
US7510870	Industry-Academic Cooperation Foundation, The Catholic University of Korea	X		X An isolated hematopoietic stem cell			X adult	X Mammalian hematopoietic stem cell		
US7510876	Cythera, Inc.	X		X An isolated multipotent endoderm cells			X Adult	X Multipotent endoderm cells		
US7514074	Osiris Therapeutics, Inc.		X				X adult	X Mesenchymal stem cells	X Improving ventricular wall motion	
US7514075	Cytori Therapeutics, Inc.	X					X adult	X Adipose derived stem cells		X
US7514229	The Board of Trustees of the Leland Stanford Junior University	X			X Method of staging a blood disorder		X adult	X Hematopoietic stem cells		
US7514259	Schepens Eye Research Institute		X				X adult	X Retinal stem cells	X Repopulating photoreceptor cells of a mammal	
US7514260	WiCell Research Institute, Inc.	X		X In vitro culture of embryonic stem cells	X Method for making in vitro embryonic stem cell		X embryonic	X embryo		

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US7518033	The General Hospital Corporation			X Genetically modified cell	X Method for producing a genetically modified cell		X embryonic	X embryo		
US7520888	Warsaw Orthopedic, Inc.		X				X adult	X Various adult stem cells	X	
US7521231	Organogenesis, Inc.	X			X Method for preparing animal tissue		X adult	X mesenchymal		
US7524489	Ethicon, Incorporated		X				X adult	X Cord blood	X Method for treating traumatic brain injury	
US7524490	Board of Regents of the University of Texas System		X				X Adult	X Bone marrow stem cells	X Method for inhibiting apoptosis in a mammal	
US7524491	University of Rochester		X	X Non-human transgenic animals	X Method for assessing injury		X adult	X Neural stem cells		
US7524492	Joslin Diabetes Center, Inc.	X			X Method for producing human insulin cell		X adult	X Stem cell generally		
US7524493	M.G.V.S. Ltd.		X	X Genetically transformed liver progenitor cell			X adult	X Progenitor cell	X Inducing liver regeneration	
US7524500	Therapure Biopharma Inc.	X	X	X Method for transforming hematopoietic stem cell			X adult	X Hematopoietic stem cell		
US7527974**	Shanghai Second Medical University/Sheng; HuiZhen	X			X Method for making embryonic stem cell		X embryonic	X embryo		
US7530982	Biomet Manufacturing Corp.		X		X Method for making a composite graft		X adult	X Adipose-derived stem cells	X	
US7530995	3F Therapeutics, Inc.			X Elongate valve sten			X adult	X Stem cells		
US7531354	University of Georgia Research Foundation, Inc.	X		X Method for producing neuroprogenitor cells			X Embryo	X Embryonic		
US7531355	The Regents of the University of California	X		X Method for inducing leiomyogenic differentiation			X Adult	X Adipose derived stem cell		
US7531503	Wake Forest University Health Sciences			X Matrix composition			X Adult	X progenitor		
US7531505	Affinergy, Inc.			X Cell adherent composition			X Adult	X endothelial		
US7534606	National Health Research Institutes	X		X Method for neurogenic differentiation			X Adult	X Placental stem cells		
US7534607	Industrial Technology Research Institute	X			X Method of producing cardiomyocytes		X Adult	X Mesenchymal stem cells		
US7534609	Pluristem Life Systems Inc.	X			X Method of expanding undifferentiated hematopoietic stem cells		X Adult	X Hematopoietic stem cells		
US7534765	Stem Cell Therapeutics Corp.		X				X Adult	X Neural stem cell	X Delivering oligodendrocytes in a mammal and treating a neuronal disease	

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US7537756	The General Hospital Corporation	X	X				X Adult	X Pancreatic stem cell	X Treating diabetes	
US7537780	Histogenics Corporation		X				X Adult	X Chondocyte stem cells	X Treating cartilage injuries	
US7541025	Jimro Co., Ltd.		X Treating malignant tumor				X Adult	X Bone marrow stem cells	X Treating malignant tumor or GVHD	
US7541183	Ottawa Health Research Institute	X			X Method for inhibiting differentiation of muscle stem cells or inducing differentiation		X Adult	X Muscle stem cells		
US7541186	University of Washington	X			X Method for differentiating embryonic stem cells to retinal cells		X Embryonic	X Embryo		
US7544359	Fukuda; Keiichi Hisaka; Yasuyo Chugai Seiyaku Kabushiki Kaisha		X				X Adult	X Hematopoietic stem cells	X Method for treating arteriosclerosis	
US7544509	McGill University	X			X Method for preparing stem cell composition		X Adult	X Multipotent stem cells		
US7544510	The General Hospital Corporation									
US7544511	Neuralstem Biopharmaceuticals Ltd.	X			X Method for maintaining neural precursor cells		X Adult	X Neural stem cells		
US7547541	Region Hovedstaden V Herlev Hospital	X						X Embryo		X System for producing mammalian pre-embryo
US7547545	PROCKOP DARWIN J DENG WEIWEN	X	X		X Method for producing neural progenitor cell		X Adult	X Bone marrow stem cell		
US7547547	Zandstra; Peter W.	X			X Method for forming embryoid bodies		X Embryonic	X embryo		
US7547551	University of Antwerp Schuler; Gerold Strobel; Isolde	X			X Method for transfection of hematopoietic stem cells		X Adult	X hematopoietic		
US7547674	New York Medical College		X				X Adult	X Myocardial stem cells	X Method for restoring myocardial tissue	
US7547817	Amgen Fremont Inc.			X Transgenic mouse			X Embryonic	X Embryo		
US7548780	Cardiac Pacemakers, Inc.		X				X Adult	X Myocardial stem cells	X Method for treating heart patient	
US7554004	Case Western Reserve University	X			X Method for modifying mouse embryonic stem cell		X Embryonic	X Embryo		
US7556801	Kourion Therapeutics GmbH		X				X Adult	X Umbilical cord blood stem cells	X Treating cardiac disease	

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US7560276	Ethicon, Incorporated		X				X Adult	X Cord blood stem cells	X Method of stimulating tissue infiltration	
US7560280**	Kourion Therapeutics GmbH			X Isolated stem cell			X Adult	X Isolated from human umbilical cord blood		
US7563459	The United States of America as represented by the Department of Veterans Affairs		X				X Adult	X Hematopoietic stem cells	X Method for regenerating heart tissue	
US7563619	Van Andel Research Institute Wisconsin Alumni Research Foundation	X			X Method for enriching mammary stem cells		X Adult	X Mammary stem cells		
US7563810	Celgene Corporation		X				X Adult	X Umbilical cord blood stem cells	X Method for treating myeloproliferative disease	
US7563825	Choongwae Pharma Corporation	X			X Method for modulating stem cells		X Adult	X Stem cell or progenitor cells		
US7569385	The Regents of the University of California	X		X Epithelial multi-potent stem cells	X Making epithelial multi-potent stem cells		X Epithelial multi-potent stem cells	Epithelial		
US7572630	Mitsubishi Tanabe Pharma Corporation	X			X Method of producing a vascular cell		X Vascular endothelial cell	X Primate embryonic stem cell		
US7575924	Research Development Foundation	X			X Method for transducing hematopoietic stem cell		X hematopoietic stem cell	X hematopoietic stem cell		
US7575925	Sunnybrook Health Sciences Centre	X			X Method of producing cells of the T cell lineage		X Cells of the T cell lineage	X Hematopoietic stem or progenitor cells		
	System Corporation	X				X Method for counting hematopoietic stem cells	X Hematopoietic stem cells	X Blood cells		
USRE039006*										
USRE040811	Board of Regents of the University of Washington		X				CD34 stem cells			
US7070947	Millennium Pharmaceuticals, Inc.									
US7189695	ZymoGenetics, Inc.	X					X Adult	X hematopoietic		
US7192580	Wellstat Biologics Corporation University of Ottawa	X			X Purified population		X Adult	X Hematopoietic	X Treating cancer	
US7413903	ES Cell International Pte. Ltd.	X					X Embryonic	X embryo		
US7485296	The Regents of the University of California Agensys, Inc.		X				X adult	X Pancreatic cancer cell	X	
US7488710	The United States of America as represented by the Department of Health and Human Services St. Vincent's Institute of Medical Research						X adult	X Osteoclast progenitor cell	X	