

**March, 2004 - 171 Gene-related Patent Applications Posted in 8 Major Categories**

<b>CHEMISTRY: ANALYTICAL AND IMMUNOLOGICAL TESTING</b>				
<b>Appl Number</b>	<b>Title</b>	<b>Assignee</b>	<b>Date Issued</b>	<b>Country</b>
20040048384	Method and device for collecting and stabilizing a biological sample	Augello, Frank A	11-Mar-04	United States

<b>CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY</b>				
<b>Appl Number</b>	<b>Title</b>	<b>Assignee</b>	<b>Date Issued</b>	<b>Country</b>
20040053275	Systems and methods to quantify and amplify both signaling probes for cdna chips and genes expression microarrays	Shafer, David A.	18-Mar-04	United States
20040048380	Chimeric vectors and their use for heterologous genes transfer	Saggio, Isabella	11-Mar-04	Italy
20040053348	Nucleic acids and corresponding proteins entitled 282P1G3 useful in treatment and detection of cancer	Faris, Mary	18-Mar-04	United States
20040053345	Marker for probing the therapeutic efficacy of drugs	Yamauchi, Akira	18-Mar-04	Japan
20040053344	Cancer cell-specific HLA-F antigen and a diagnostic method of cancer by using thereof	Egawa, Kohji	18-Mar-04	Japan
20040053317	Gene segregation and biological sample classification methods	Sidney Kimmel Cancer Center	18-Mar-04	United States
20040053304	Methods and compositions for detecting cancers	Case Western Reserve University	18-Mar-04	United States
20040053301	Genes associated with mechanical stress, expression products therefrom, and uses thereof	QUARK BIOTECH, INC.	18-Mar-04	United States
20040053294	Methods for identifying target genes, gene expression profiles, and biochemical/signal transduction pathways associated with specific patterns of hemodynamic shear stress and atherogenesis and uses thereof	Davies, Peter F.	18-Mar-04	United States
20040053292	Proteins and dna sequences underlying these proteins used for treating inflammations	Tschopp, Jurg	18-Mar-04	Switzerland

20040053289	Short interfering nucleic acid hybrids and methods thereof	The Regents of the University of California	18-Mar-04	United States
20040053288	Method for estimating therapeutic efficacy of tumor necrosis factor	KABUSHIKI KAISHA HAYASHIBARA SEIBUTSU KAGAKU KENKYUJO	18-Mar-04	Japan
20040053285	Plant transcription factors	E I du Pont de Nemours & Company	18-Mar-04	United States
20040053379	Method of producing polyunsaturated fatty acids, novel biosynthesis genes, and novel plant expression constructs	Lerchl, Jens	18-Mar-04	Sweden
20040053277	Strong gene sets for glioma classification	Board of Regents, The University of Texas System	18-Mar-04	United States
20040053411	Method of regulating gene expression	DUKE UNIVERSITY	18-Mar-04	United States
20040053274	Gene cluster of vicenistatin biosynthesis, a vicenisamine glycosyltransferase polypeptide, and a gene encoding the polypeptide	Tokyo Institute of Technology	18-Mar-04	Japan
20040053273	Inducible high expression system	Fujisawa Pharmaceutical Co., Ltd.	18-Mar-04	Japan
20040053272	Methods of constructing a model of cellular development and differentiation using homozygous stem cell systems, methods of assessing and cataloging proteins expressed therein, cDNA libraries generated therefrom, and materials and methods using same	Huang, Steven Chien-Wen	18-Mar-04	United States
20040053267	Degenerate oligonucleotide gene shuffling	Gibbs, Moreland David	18-Mar-04	Australia
20040053266	Protein with cap-and cellulose-binding activity	Belyaev, Alexander	18-Mar-04	United States
20040053265	Diagnostic and therapeutic use of a caveolae-associated integral membrane protein for alzheimer's disease and related neurodegenerative disorders	Hipfel, Rainer	18-Mar-04	Germany
20040053259	Methylated nucleotide regulation of gene expression	Rabbani, Shafaat A	18-Mar-04	Canada
20040053244	Regulation of human galanin receptor-like g protein coupled receptor	Ramakrishnan, Shyam	18-Mar-04	United States

20040053226	23430, a novel human ubiquitin hydrolase family member and uses therefor	Kapeller-Libermann, Rosana	18-Mar-04	United States
20040053225	Enhancement of virus induced gene silencing (VIGS) through viral-based expression of inverted-repeats	LARGE SCALE BIOLOGY CORPORATION	18-Mar-04	United States
20040048382	Plant UDP-glucose dehydrogenase	E. I. du Pont de Nemours & Co.	11-Mar-04	United States
20040053282	Method of examining allergic disease	Sugita, Yuji	18-Mar-04	Japan
20040058351	Method of examining for allergic disease	Sugita, Yuji	25-Mar-04	United States
20040058447	Gene transfer methods	Ueno, Mitsuhiro	25-Mar-04	Japan
20040058443	Manipulation of non-terminally differentiated cells using the Notch pathway	Yale University	25-Mar-04	United States
20040058439	High titer recombinant AAV production	Hwang, Kyu-Kye	25-Mar-04	United States
20040058419	Thermostable L-arabinose isomerase and process for preparing D-tagatose	Pyun, Yu Ryang;	25-Mar-04	Korea
20040058417	Covalent joining of DNA to RNA by vaccinia topoisomerase and uses thereof	Sloan Kettering Institute for Cancer Research	25-Mar-04	United States
20040058392	Use of novel stem cell markers for isolation of intestinal stem cells, and use of the intestinal stem cells thus obtained for the preparation of a therapeutical composition	Kylix B.V.	25-Mar-04	Netherlands
20040058377	Novel G-protein coupled receptors and uses therefor	Millennium Pharmaceuticals, Inc.	25-Mar-04	United States
20040058376	Expression monitoring for gene function identification	Affymetrix, Inc.	25-Mar-04	United States
20040058369	Method for controlling gene expression in a cell	Jepson, Ian	25-Mar-04	United Kingdom
20040058368	M-GAL: a Gal gene switch-based suite of methods protein analyses and protein expression in multicellular organisms and cells therefrom	Pilauri, Vepkhia	25-Mar-04	United States
20040058363	Method of estimating the risk of expression of adverse drug reaction caused by the administration of a compound, which is either metabolized per se by UGT1A1 enzyme or whose metabolic intermediate is metabolized by the enzyme	Hasegawa, Yoshinori	25-Mar-04	Japan

20040058360	Method of concentrating gene	Nakazato, Hiroshi	25-Mar-04	Japan
20040053362	Method of producing functional protein domains	De Luca, Giampiero	18-Mar-04	Switzerland
20040058355	Novel 21910, 56634, 55053, 2504, 15977, 14760, 25501, 17903, 3700, 21529, 26176, 26343, 56638, 18610, 33217, 21967, H1983, M1983, 38555 or 593 molecules and uses therefor	Millennium Pharmaceuticals, Inc.	25-Mar-04	United States
20040053227	Transcription factor network discovery methods	Chou, Michael F	18-Mar-04	United States
20040058350	Regulation of human secretin receptor-like gpcr	Liou, Jiing-Ren	25-Mar-04	United States
20040058348	High level expression of heterologous proteins	Yeda Research and Development Co., Ltd.	25-Mar-04	Israel
20040058344	Trans-splicing mediated imaging of gene expression	Mitchell, Lloyd G.	25-Mar-04	United States
20040058334	Novel method for genetic linkage analysis by mitotic recombination	Kaplan, Frederick S.	25-Mar-04	United States
20040058330	Methods of use for thermostable RNA ligases	Prokaria, Ltd.	25-Mar-04	Iceland
20040058326	Identification and use of molecules implicated in pain	WARNER-LAMBERT COMPANY	25-Mar-04	United States
20040058325	Gene expression in biological conditions	Orntoft, Torben F	25-Mar-04	Denmark
20040058324	Gene sp17 inhibiting lesion formation in plant and utilization thereof	Yano, Masahiro	25-Mar-04	Japan
20040058322	Hybridization and mismatch discrimination using oligonucleotides conjugated to minor groove binders	Epoch Pharmaceuticals, Inc.	25-Mar-04	United States
20040058320	Reagents and methods for identifying and modulating expression of tumor senescence genes	Roninson, Igor B	25-Mar-04	United States
20040058319	Compositions and methods relating to ovary specific genes and proteins	Salceda, Susana	25-Mar-04	United States
20040058318	Nucleic acids encoding receptor recognition factors, and methods of use thereof	Darnell, James E. JR.	25-Mar-04	United States
20040058356	Methods for global profiling gene regulatory element activity	Warren, Mary E	25-Mar-04	United States
20040048266	Regulation of human membrane-type serine protease	Xiao, Yonghong	11-Mar-04	United States

20040048331	Alpha 1,2 fucosyltransferase	Governors of the University of Alberta, a Canada corporation	11-Mar-04	Canada
20040048308	Thermostable ligase mediated DNA amplification system for the detection of genetic diseases	Barany, Francis	11-Mar-04	United States
20040043488	Adeno-associated viral gene-transfer vector system	University of Pittsburgh of the Commonwealth System of Higher Education	04-Mar-04	United States
20040048307	Methods for detection of mutations in myostatin variants	THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE	11-Mar-04	United States
20040043490	Cells to be used in producing virus vector, process for producing the same, and process for producing virus vector with the use of the cells	Shimada, Takashi	04-Mar-04	Japan
20040048298	Endogeneous nucleic fragment associated with an autoimmune disease, labeling method and reagent	BIO MERIEUX	11-Mar-04	France
20040048289	Magnetic particle membrane-specific protein	Matsunaga, Takashi	11-Mar-04	Japan
20040048278	Diagnosis of diseases associated with the human c-mos gene	Olek, Alexander	11-Mar-04	Germany
20040048277	Eukaryotic cell division genes and their use in diagnosis and treatment of proliferative diseases	Echeverri, Christophe	11-Mar-04	Germany
20040043487	Method of constructing vectors for homologous recombination directed mutagenesis	Nehls, Michael	04-Mar-04	United States
20040048267	Novel calpastatin (CAST) alleles	Iowa State University Foundation, Inc.	11-Mar-04	United States
20040048293	Gene expression using T cell factor responsive element	Young, Lawrence S.	11-Mar-04	United Kingdom
20040048264	Methods and compositions for determining gene function	Stoughton, Roland	11-Mar-04	United States
20040048262	Methods for determining the biological effects of compounds on gene expression	Adams, Christopher	11-Mar-04	United States
20040048261	Invertebrate choline transporter nucleic acids, polypeptides and uses thereof	BAYER CROPS SCIENCE LP	11-Mar-04	United States

20040048258	Multiple-gene diagnostic probes and assay kits and method for the assessment of multiple markers for breast cancer prognosis	WINDBER RESEARCH INSTITUTE	11-Mar-04	United States
20040048250	Gene encoding abc-1 paralogs and the polypeptides derived therefrom	Warner Lambert Company	11-Mar-04	United States
20040048243	Methods and compositions for in vitro targeting	Arap, Wadih	11-Mar-04	United States
20040043491	Penicillin production using transgenic merodiploid strains	Suarez Gonzalez, Teresa	04-Mar-04	Spain
20040048379	Utilization of non-viral sequences for minus-strand dna transfer and gene reconstitution	Hu, Wei-Shau	11-Mar-04	United States
20040053251	Methods of screening for alzheimer's disease	Pericak-Vance, Margaret A.	18-Mar-04	United States
20040048273	Regulation of human secretin receptor-like gpcr	Liou, Jiing-Ren	11-Mar-04	United States
20040043375	Regulation of human serine-threonine protein kinase	Zhu, Zhimin	04-Mar-04	United States
20040048339	Human proteins having transmembrane domains and cDNAs encoding these proteins	Sagami Chemical Research Center	11-Mar-04	Japan
20040048282	Regulation of human patched-like protein	Smolyar, Alex	11-Mar-04	United States
20040043470	Regulation of human histone deacetylase	Xiao, Yonghong	04-Mar-04	United States
20040048345	Process for producing trans-4-hydroxy-L-proline	Ozaki, Akio	11-Mar-04	Japan
20040048374	Mammalian immortalized liver cell	Kobayashi, Naoya	11-Mar-04	Japan
20040043380	T cell line and use thereof	TAKEDA PHARMACEUTICALS NORTH AMERICA, INC	04-Mar-04	United States
20040043389	Methods and compositions for identifying risk factors for abnormal lipid levels and the diseases and disorders associated therewith	Vitvity, Inc.	04-Mar-04	United States
20040043402	Interferon-alpha induced gene	Meritet, Jean-Francois	04-Mar-04	France
20040043394	Gene expression element specific for Ah receptor ligands and heterologous gene expression systems dependent on the element	Ohkawa, Hideo	04-Mar-04	Japan
20040043458	Coryneform bacteria which produce chemical compounds II	Degussa AG	04-Mar-04	Germany

20040043399	Regulation of human inositolpolyphosphate 5-phosphatase	Kossida, Sophia	04-Mar-04	Switzerland
20040043454	Growth arrest homeobox gene	Gorski, David H	04-Mar-04	United States
20040043409	Identification of a region of the major surface glycoprotein (MSG) gene of human Pneumocystis carinii	The Government of the USA represented by Secretary of the Department of Health & Human Services	04-Mar-04	United States

### CHEMISTRY: NATURAL RESINS OR DERIVATIVES

Appl Number	Title	Assignee	Date Issued	Country
20040044182	Expression, preparation, uses, and sequence of recombinantly-derived soluble hla-g	Hunt, Joan S	04-Mar-04	United States
20040054140	Numb protein expression inhibitor making use musashi	Imai, Takao	18-Mar-04	Japan
20040054148	Mch4 and Mch5, apoptotic protease, nucleic acids encoding and methods of use	Thomas Jefferson University	18-Mar-04	United States

### DRUG

Appl Number	Title	Assignee	Date Issued	Country
20040053876	siRNAs and uses thereof	The Regents of the University of Michigan	18-Mar-04	United States
20040053879	Use of the human Irf/mvp promotor for a vector that can be induced by therapy	Stein, Ulrike	18-Mar-04	Germany
20040053981	Novel compounds that exhibit specific molecular recognition of mixed nucleic acid sequences and bind the DNA minor groove as a dimer	Wilson, W. David	18-Mar-04	United States
20040057941	Plasmid mediated supplementation for treating chronically ill subjects	ADViSYS, Inc.	25-Mar-04	United States
20040044077	Agents for inhibiting or restoring skin damage caused by drying and method for evaluating the same	Katagiri, Chika	04-Mar-04	Japan
20040058872	Global regulator of secondary metabolite biosynthesis and methods of use	Wisconsin Alumni Research Foundation	25-Mar-04	United States
20040058021	Treatment of human multiple myeloma by curcumin	Aggarwal, Bharat	25-Mar-04	United States

20040053877	Paramyxovirus vector for transferring foreign gene into skeletal muscle	Fukumura, Masayuki	18-Mar-04	Japan
20040044063	SMA therapy and cell based assay for identifying therapies	Stockwell, Brent	04-Mar-04	United States
20040043958	Glucocorticoid enhancement of gene expression	Research Development Foundation	04-Mar-04	United States
20040043954	Liposomes	Gregoriadis, Gregory	04-Mar-04	United Kingdom
20040043950	WT1 antisense oligos for the inhibition of breast cancer	Board of Regents, The University of Texas System	04-Mar-04	United States
20040058882	Microseeding device for gene delivery by microneedle injection	Eriksson, Elof	25-Mar-04	United States
20040058849	Fibroblast growth factor receptors and methods for their use	GENESIS RESEARCH AND DEVELOPMENT CORPORATION LIMITED	25-Mar-04	New Zealand
20040043004	Caveolin-1 gene and polypeptide encoded thereby and methods of use thereof	Bender, Florent C.	04-Mar-04	United States
20040043007	Transfection system	Baxter Healthcare Corporation	04-Mar-04	United States
20040043021	Nucleotide and amino acid sequences relating to respiratory diseases and obesity	Keith, Tim	04-Mar-04	United States
20040043023	Human glucocorticoid receptor 1A promoter and splice variants	Vedeckis, Wayne V	04-Mar-04	United States
20040043063	Expression of keratin genes 8 and 18 for treating tumours, in particular a mammary carcinoma	Schaller, Gerhard	04-Mar-04	Germany
20040053875	Method and medicament for inhibiting the expression of a given gene	Ribopharma AG	18-Mar-04	Germany
20040053820	Reduced fk228 and use thereof	Nakajima, Hidenori;	18-Mar-04	Japan
20040058885	Nucleoside diphosphate hydrolase	Kossida, Sophia	25-Mar-04	United States
20040052774	Reducing oxidative stress of plants by increasing glutathione content	Creissen, Gary Patrick	18-Mar-04	United States
20040047845	Methods and compositions for diagnosis and treatment of cancer based on the transcription factor ets2	MUSC Foundation For Research Development	11-Mar-04	United States
20040047846	Ubiquitin promoter in vectors for gene therapy in respiratory tract	Hyde, Stephen Charles	11-Mar-04	United Kingdom

20040047847	Inhibition of human squamous cell carcinoma growth in vivo by epidermal growth factor receptor antisense RNA transcribed from a Pol III promoter	He, Yukai	11-Mar-04	United States
20040053870	CpG reduced plasmids and viral vectors	Genzyme Corporation	18-Mar-04	United States
20040047896	Composition for improving age-related physiological deficits and increasing longevity	Malnoe, Armand	11-Mar-04	Switzerland
20040053835	Regulation of human nmda receptor	Kossida, Sophia	18-Mar-04	Switzerland
20040047837	Rapid production of autologous tumor vaccines	Fong, Yuman	11-Mar-04	United States
20040052789	Novel proteins genes encoding them and method of using the same	Sha, Shiken	18-Mar-04	Japan
20040047871	Recombinant fusobacterium necrophorum leukotoxin vaccine and prepaation thereof	Nagaraja, T.G.	11-Mar-04	United States
20040052771	Hemangioblast progenitor cells	Lim, Sai Kiang	18-Mar-04	Singapore
20040052764	Recombinant aav vectors with aav5 capsids and aav5 vectors pseudotyped in heterologous capsids	Hildinger, Markus	18-Mar-04	United States
20040052762	Stat3 agonists and antagonists and therapeutic uses thereof	Yu, Hua	18-Mar-04	United States
20040048833	Control of shoot/foiar feeding pests with pesticide seed treatments	Monsanto Technology, L.L.C.	11-Mar-04	United States
20040048800	Use of vascular endothelial growth factor in the treatment of erectile dysfunction	The Trustees of Columbia University	11-Mar-04	United States
20040048798	Nucleic acid and corresponding protein entitle 98P4B6 useful in treatment and detection of cancer	Raitano, Arthur B.	11-Mar-04	United States
20040048791	Method for treating neoplastic cells using cycloprodigiosin or salt thereof	Kamata, Keiko	11-Mar-04	Japan
20040043003	Clinical grade vectors based on natural microflora for use in delivering therapeutic compositions	Chen, Wei	04-Mar-04	United States
20040053864	Methods and compositions for control of bone formation via modulation of neuropeptide y activity	Karsenty, Gerard	18-Mar-04	United States

20040053863	Sensitization of HER-2/neu overexpressing cancer cells to chemotherapy	The Regents of the University of Texas	18-Mar-04	United States
20040053848	Antibodies specific for methylated lysines in histones	UNIVERSITY OF VIRGINIA	18-Mar-04	United States
20040053840	Regulation of human cyclophilin-like protein	Smith, Timothy J	18-Mar-04	United States
20040053833	Net, a transcription factor of the tcf family, as regulator of angiogenic factor expression	AVENTIS PHARMACEUTICALS INC.	18-Mar-04	United States
20040053816	Adipocyte Insulin adpinsl with Insulin A and B chains and an effective method of treating type 2 diabetes in a subject using adipocyte insulin	Council of Scientific and Industrial Research Rafi Marg	18-Mar-04	India

### MULTICELLULAR LIVING ORGANISMS

Appl Number	Title	Assignee	Date Issued	Country
20040049813	Novel gene combinations that alter the quality and functionality of soybean oil	E I DU PONT DE NEMOURS AND COMPANY	11-Mar-04	United States
20040060079	Method of controlling character of monocotyledon by modification and/or overexpression of cytochrome P450 monooxygenase gene involved in brassinosteroid biosynthesis and monocotyledon modified by the gene	Tanaka, Hiroshi	25-Mar-04	Japan
20040049802	Method for modifying lignin composition and increasing in vivo digestibility of forages	Dixon, Richard A	11-Mar-04	United States
20040049807	Fatty acid desaturase gene and protein for modulating activation of defense signaling pathways in plants	Klessig, Daniel F	11-Mar-04	United States
20040060081	Plant genes that confer resistance to strains of magnaporthe grisea having avri co39 cultivar specificity gene	USDA-ARS-OFFICE OF TECHNOLOGY TRANSFER	25-Mar-04	United States
20040049810	dull1 coding for a novel starch synthase and uses thereof	Myers, Alan M	11-Mar-04	United States
20040045043	Compositions and methods for generating conditional knockouts	Finney, Robert E.	04-Mar-04	United States
20040045053	Pollen specific promoter	SYNGENTA BIOTECHNOLOGY, INC.	04-Mar-04	United States

20040055023	Joint utilization of the insulin gene and the glucokinase gene in the development of therapeutic approaches for diabetes mellitus	Bosch Tubert, Fatima	18-Mar-04	Estonia
20040055026	Neurological disease model	NOVARTIS	18-Mar-04	United States
20040055037	Vector system for plants	Gleba, Yuri	18-Mar-04	Germany
20040055039	DNA sequence regulating plant fruit-specific expression	Yamagata, Hiroshi	18-Mar-04	Japan
20040045047	Method for plant gene transferring by electrical shock and ovary injection	Liou, Pan-Chi	04-Mar-04	Taiwan
20040045051	Tocopherol biosynthesis related genes and uses thereof	Renessen LLC	04-Mar-04	United States
20040045048	Method for plant gene transferring by micro-vibration and ovary injection	Liou, Pan-Chi	04-Mar-04	Taiwan
20040055041	Method for genetic transformation of woody trees	Labate, Monica T.V.	18-Mar-04	Brazil
20040049808	Chitinase encoding DNA molecules from cotton expressed preferentially in secondary walled cells during secondary wall deposition and a corresponding promoter	Haigler, Candace H	11-Mar-04	United States

## ORGANIC COMPOUNDS

Appl Number	Title	Assignee	Date Issued	Country
20040049025	Recombinant viral nucleic acids	LARGE SCALE BIOLOGY CORPORATION	11-Mar-04	United States
20040059103	DNA and amino acid sequence of a tyrosine ammonia lyase enzyme from the bacterium rhodobacter sphaeroides	E I DU PONT DE NEMOURS AND COMPANY	25-Mar-04	Switzerland
20040049022	Composition & methods for treatment and screening	Nyce, Jonathan W.	11-Mar-04	United States
20040049024	Compositions and methods related to the minn1 tumor suppressor gene and protein	Clark, Geoff	11-Mar-04	United States
20040049037	Ketone ligands for modulating the expression of exogenous genes via an ecdysone receptor complex	RheoGene, Inc.	11-Mar-04	United States
20040054158	GL50 molecules and uses therefor	Ling, Vincent;	18-Mar-04	United States
20040054155	Oligonucleotide compositions with enhanced efficiency	Sequitur, Inc.	18-Mar-04	United States

20040049023	Growth arrest homeobox gene	Gorski, David H.	11-Mar-04	United States
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**PLANT PROTECTING AND REGULATING COMPOSITIONS**

Appl Number	Title	Assignee	Date Issued	Country
20040053783	Method for controlling harmful organisms in the cultivation of useful plants	Kern, Manfred	18-Mar-04	Germany

**SURGERY**

Appl Number	Title	Assignee	Date Issued	Country
20040049249	Light activated gene transduction for cell targeted gene delivery in the spinal column	Rubery, Paul T	11-Mar-04	United States