

## DECEMBER, 2003 Patent Applications Posted

<b>CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY</b>				
<b>Appl. No.</b>	<b>Title</b>	<b>Assignee</b>	<b>Date Issued</b>	<b>Country</b>
20030228579	Ordering genes by analysis of expression kinetics	Alon, Uri	11-Dec-03	Israel
20030224355	Mutations in the diabetes susceptibility genes hepatocyte nuclear factor (HNF) 1 alpha (alpha), HNF-1beta and HNF-4alpha	ARCH Development Corporation	04-Dec-03	United States
20030224519	Compositions and methods for making mutations in cell lines and animals	Athersys, Inc.	04-Dec-03	United States
20030228678	Alleles of the aceA gene from coryneform bacteria	Bathe, Brigitte	11-Dec-03	Germany
20030224481	In vivo gene transfer	Baylor College of Medicine	04-Dec-03	United States
20030235867	Neuropeptide FF2 receptor, also known as GPR74, a G protein-coupled receptor (GPCR), and compositions and methods related thereto	Burner, Glenna C	25-Dec-03	United States
20030224509	DAP-kinase and HOXA9, two human genes associated with genesis, progression, and aggressiveness of non-small cell lung cancer	Cangen International	04-Dec-03	United States
20030235847	Association of polymorphisms in the SOST gene region with bone mineral density	Celltech R&D, Inc.	25-Dec-03	United States
20030228597	Identification of genetic targets for modulation by oligonucleotides and generation of oligonucleotides for gene modulation	Cowsert, Lex M.	11-Dec-03	United States
20030224393	Gene for peripheral arterial occlusive disease	deCODE genetics ehf.	04-Dec-03	Iceland
20030228661	Genes encoding sulfate assimilation proteins	E I DU PONT DE NEMOURS AND COMPANY	11-Dec-03	United States
20030228567	Compositions and methods for modeling Saccharomyces cerevisiae metabolism	Famili, Imandokht	11-Dec-03	United States
20030224364	Compositions and methods for identifying and distinguishing orthosomycin biosynthetic loci	Farnet, Chris M.	04-Dec-03	Canada
20030224499	Nucleotide sequences encoding the ptsH gene	Farwick, Mike	04-Dec-03	Germany

20030224402	Progression suppressed gene 13 (PSGen 13) and uses thereof	Fisher, Paul B.	04-Dec-03	United States
20030224415	Selection free growth of host cells containing multiple integrating vectors	Gala Design, Inc.	04-Dec-03	United States
20030224424	PHOX2B polymorphisms as hirschsprung's disease diagnostic markers and methods based thereon	Garcia-Barcelo, Maria Mercedes	04-Dec-03	Hong Kong
20030224423	Method of testing for allergic diseases	Genox Research, Inc.	04-Dec-03	Japan
20030224411	Genes that are up- or down-regulated during differentiation of human embryonic stem cells	GERON CORPORATION	04-Dec-03	United States
20030224407	Methods for identifying the toxic/pathologic effect of environmental stimuli on gene transcription	GLAXOSMITHKLINE	04-Dec-03	United States
20030228577	Next-nearest-neighbor sequence determinants of antisense DNA	Gray, Donald M.	11-Dec-03	United States
20030228671	Methods and materials for the production of L-lactic acid in yeast	Hause, Ben	11-Dec-03	United States
20030228585	Kit and method for determining hla type	Inoko, Hidetoshi	11-Dec-03	Japan
20030224433	Bovine germline D-genes and their application	Kaushik, Azad K.	04-Dec-03	Canada
20030228691	Processes for inhibiting gene expression using polynucleotides	Lewis, David L.	11-Dec-03	United States
20030224463	Compositions and methods relating to DNA mismatch repair genes	Liskay, Robert M	04-Dec-03	United States
20030228669	Transgenic microbial polyhydroxyalkanoate producers	Metabolix, Inc.	11-Dec-03	United States
20030235915	Human-nucleic acid sequences from breast tumor tissue	Metagen Gesellschaft Fur Genomforschung MBH	25-Dec-03	Germany
20030224438	Novel molecules of the PYRIN/NBS/LRR protein family and uses thereof	Millennium Pharmaceuticals, Inc.	04-Dec-03	United States
20030224376	Novel human transferase family members and uses thereof	Millennium Pharmaceuticals, Inc.	04-Dec-03	United States
20030232378	Novel toll molecules and uses therefor	Millennium Pharmaceuticals, Inc.	18-Dec-03	United States

20030224451	Novel protein related to melanoma-inhibiting protein and uses thereof	Millennium Pharmaceuticals, Inc.	04-Dec-03	United States
20030232336	Novel human ion channel and transporter family members	MILLENNIUM PHARMACEUTICALS, INC.	18-Dec-03	United States
20030224485	Expression system for ABC transporters	Molday, Robert S	04-Dec-03	Canada
20030224483	Control of gene expression in eukaryotic cells	MONSANTO COMPANY	04-Dec-03	United States
20030224432	Methods and compositions for use in preparing siRNAs	Myers, Jason;	04-Dec-03	United States
20030232357	DNA helicase	NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY	18-Dec-03	Japan
20030228695	Cell-manipulating apparatus and method of using the same	NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY	11-Dec-03	Japan
20030235819	Mutations in the BRCA1 gene	OncorMed. Inc.	25-Dec-03	United States
20030235827	Methods and compositions for monitoring primer extension and polymorphism detection reactions	Orchid BioSciences, Inc.	25-Dec-03	United Kingdom
20030224351	Detection of infectious hematopoietic necrosis virus	Overturf, Kenneth E.	04-Dec-03	United States
20030224472	Methods for the identification of inhibitors of putrescine aminopropyltransferase as antibiotics	PARADIGM GENETICS, INC	04-Dec-03	United States
20030228650	Methods for the identification of inhibitors of Methylenetetrahydrofolate reductase as antibiotics	PARADIGM GENETICS, INC	11-Dec-03	United States
20030228645	Methods for the identification of inhibitors of chitin synthase 2 as antibiotics	PARADIGM GENETICS, INC	11-Dec-03	United States
20030224363	Compositions and methods for modeling bacillus subtilis metabolism	Park, Sung M.	04-Dec-03	United States
20030232415	Directing the ration of B2:B1 avermectins in Streptomyces avermitilis host cells	Pfizer Inc.	18-Dec-03	United States
20030224365	Single nucleotide polymorphisms diagnostic for schizophrenia	PHARMACIA & UPJOHN	04-Dec-03	United States
20030232330	DETECTION AND IDENTIFICATION OF ENTERIC BACTERIA	Quirk, Stephen	18-Dec-03	United States

20030228653	Novel orphan cytokine receptor polypeptides	Regeneron Pharmaceuticals, Inc.	11-Dec-03	United States
20030235830	Methods for isolating and characterizing endogenous mRNA-protein (mRNP) complexes	Ribonomics, Inc.	25-Dec-03	United States
20030224394	Computer systems and methods for identifying genes and determining pathways associated with traits	Rosetta Inpharmatics, LLC	04-Dec-03	United States
20030228601	Transfection method and uses related thereto	Sabatini, David M.	11-Dec-03	United States
20030228586	Method for measuring de novo T-cell production in humans	Sekaly, Rafick-Pierre	11-Dec-03	United States
20030224344	Method and system for clustering data	Shamir, Ron	04-Dec-03	United States
20030232364	Diagnosis, prognosis and identification of potential therapeutic targets of multiple myeloma based on gene expression profiling	Shaughnessy, John D.	18-Dec-03	United States
20030224456	Method for the detection of compounds that modulate the effects of the obese (OB) protein	SmithKline Beecham p.l.c	04-Dec-03	United Kingdom
20030228592	Human facilitative glucose transport protein GLUT8	St. Vincent's Institute of Medical Research	11-Dec-03	Australia
20030224521	Enhanced homologous recombination mediated by lambda recombination proteins	The Gov. of the USA Secretary of the Department of Health and Human Services	04-Dec-03	United States
20030228578	Alternative splicing and nonsense-mediated decay: computational methods and gene regulation	The Regents of the University of California	11-Dec-03	United States
20030224360	Interventions to mimic the effects of calorie restriction	The Regents of the University of California	04-Dec-03	United States
20030232375	Identification of a gene causing the most common form of Bardet-Biedl Syndrome and uses thereof	The University of Iowa Research Foundation	18-Dec-03	United States
20030232358	Method of identifying genes controlling differentiation	Thomson, James A.	18-Dec-03	United States
20030224381	Delta-erythroid kruppel-like factors and methods of use	Townes, Tim M.	04-Dec-03	United States
20030228617	Method for predicting autoimmune diseases	Vanderbilt University	11-Dec-03	United States
20030235880	Carotene synthase gene and uses therefor	Weaver, Craig A	25-Dec-03	United States

20030224383	Atherosclerotic phenotype determinative genes and methods for using the same	West, Mike	04-Dec-03	United States
20030235857	Regulation of fungal gene expression	Whitehead Institute for BioMedical Research	25-Dec-03	Germany
20030235890	Functional polymorphisms of the interleukin-1 locus affecting transcription and susceptibility to inflammatory and infectious diseases	Wyllie, David	25-Dec-03	United Kingdom
20030224396	Regulation of human aminotransferase-like enzyme	Xiao, Yonghong	04-Dec-03	United States

### CHEMISTRY: NATURAL RESINS OR DERIVATIVES; PEPTIDES OR PROTEINS

Appl. No.	Title	Assignee	Date Issued	Country
20030229204	PCG-1, a novel brown fat PPARgamma coactivator	Spiegelman, Bruce M.	11-Dec-03	United States

### DATA PROCESSING

Appl. No.	Title	Assignee	Date Issued	Country
20030236633	Methods for oligonucleotide probe design	Affymetrix, Inc.	25-Dec-03	United States
20030225528	Gene expression profiling in biopsied tumor tissues	Baker, Joffre B.	04-Dec-03	United States
20030229451	Methods and systems for analyzing complex biological systems	PARADIGM GENETICS, INC	11-Dec-03	United States
20030233218	Systems and methods for constructing genomic-based phenotypic models	Schilling, Christophe H	18-Dec-03	United States
20030225718	Probabilistic boolean networks	Shmulevich, Ilya	04-Dec-03	United States

### DRUG

Appl. No.	Title	Assignee	Date Issued	Country
20030223986	Methods	AstraZeneca AB	04-Dec-03	Sweden
20030223987	Immunodeficiency recombinant poxvirus	Aventis Pasteur Inc.	04-Dec-03	United States
20030224004	Chlamydia antigens and corresponding DNA fragments and uses thereof	Aventis Pasteur Limited	04-Dec-03	United States
20030236194	Novel G protein-coupled receptor, GAVE2	Aventis Pharmaceuticals Inc.	25-Dec-03	United States
20030224040	Genomic screen for epigenetically silenced genes associated with cancer	Baylin, Stephen B.	04-Dec-03	United States
20030232018	Stabilized formulations of adenovirus	BERLEX BIOSCIENCES	18-Dec-03	United States

20030223997	Nucleic acid and corresponding protein entitled 121P1F1 useful in treatment and detection of cancer	Challita-Eid, Pia M.	04-Dec-03	United States
20030232058	Recombinant alphavirus-based vectors with reduced inhibition of cellular macromolecular synthesis	Chiron Corporation	18-Dec-03	United States
20030223963	Use of recombinant gene delivery vectors for treating or preventing lysosomal storage disorders	Chiron Corporation	04-Dec-03	United States
20030223975	Transcriptional regulation of PTP-1B	Cold Spring Harbor Laboratory	04-Dec-03	United States
20030223962	Delivery of gene products to the lung parenchyma via gene transfer to the pleura	Cornell Research Foundation, Inc.	04-Dec-03	United States
20030228330	Modified poxviruses, including modified smallpox virus vaccine based on recombinant drug-sensitive vaccinia virus, and new selection methods	Falkner, Falko-Guenter;	11-Dec-03	Austria
20030232061	Recombinant parainfluenza virus expression systems and vaccines comprising heterologous antigens derived from metapneumovirus	Fouchier, Ronaldus Adrianus Maria	18-Dec-03	Netherlands
20030232752	Proliferated cell lines and uses thereof	Freeman, Thomas B	18-Dec-03	United States
20030223979	Therapeutic method for treating patients with acute intermittent porphyria (AIP) and other porphyric diseases	Gellerfors, Par	04-Dec-03	Sweden
20030228317	Gene BRCC-1 and diagnostic and therapeutic uses thereof	Gokhale, Prafulla	11-Dec-03	United States
20030228280	System for production of helper dependent adenovirus vectors based on use of endonucleases	Graham, Frank L.	11-Dec-03	United States
20030228285	Bipartite T-cell factor (Tcf)-responsive promoter	Hung, Mien-Chie	11-Dec-03	United States
20030235533	Prostate specific genes and the use thereof in design or therapeutics	IDEC Pharmaceuticals Corporation	25-Dec-03	United States
20030229045	CFTR gene regulator	ISIS INNOVATION LIMITED	11-Dec-03	United Kingdom
20030224995	Treatment of burns	Khan, Nisar Ahmed	04-Dec-03	Netherlands
20030229046	Highly efficient eukaryotic expression vector comprising an exogenous transcription regulatory element	Kim, Sunyoung	11-Dec-03	Korea

20030235584	Method for preparing anti-MIF antibodies	Kloetzer, William S.	25-Dec-03	United States
20030223971	Gene therapy for the treatment of solid tumors using recombinant adeno-associated virus vectors	Kurtzman, Gary J.	04-Dec-03	United States
20030224055	Compositions and processes for inhibiting gene expression using polynucleotides	Lewis, David L.	04-Dec-03	United States
20030232879	Lipid-altering compositions for the treatment of infertility	Massachusetts Institute of Technology	18-Dec-03	United States
20030235532	System for monitoring the location of transgenes	Mayo Foundation for Medical Education and Research	25-Dec-03	United States
20030229035	Method of restoring ciliated cell motility	Menon, Ram K	11-Dec-03	United States
20030228329	Adenovirus carrying gag gene HIV vaccine	Merck & Co., Inc.	11-Dec-03	United States
20030224970	Methods for the identification of inhibitors of S-adenosylmethionine decarboxylase as antibiotics	PARADIGM GENETICS, INC	04-Dec-03	United States
20030224992	Transcription factor modulators and uses thereof	Praecis Pharmaceuticals Inc.	04-Dec-03	United States
20030223990	Nucleic acid and corresponding protein entitled 193P1E1B useful in treatment and detection of cancer	Raitano, Arthur B.	04-Dec-03	United States
20030224017	Recombinant Newcastle disease viruses useful as vaccines or vaccine vectors	Samal, Siba K.	04-Dec-03	United States
20030235558	Role of p62 in aging-related disease	Shin, Jaekyoon	25-Dec-03	Korea
20030223965	Bone generation by gene therapy	Song, Sun Uk	04-Dec-03	United States
20030229041	Methods to increase or decrease bone density	Sutherland, May S. Kung	11-Dec-03	United States
20030228295	Use of human neural stem cells secreting GDNF for treatment of parkinson's and other neurodegenerative diseases	Svensden, Clive N.	11-Dec-03	United States
20030229039	Gene repair involving in vivo excision of targeting DNA	The Children's Medical Center Corporation	11-Dec-03	France
20030228294	Inhibition of tumor growth via peroxiredoxin 3	The John Hopkins University	11-Dec-03	United States
20030232786	Tricyclic-bis-enone derivatives and methods of use thereof	THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE	18-Dec-03	United States
20030228303	Antibodies specific for native PrPsc	The Regents of the University of California	11-Dec-03	United States

20030225008	Diagnostic and therapeutic methods using the H37 tumor suppressor gene	The Regents of the University of California	04-Dec-03	United States
20030224968	Atlastin	The Regents Of The University Of Michigan	04-Dec-03	United States
20030228293	Correction of genetic defects	Whitehead Institute for Biomedical Research	11-Dec-03	United States
20030232781	Modulation of gene expression using insulator binding proteins	Wolffe, Alan P.	18-Dec-03	United States
20030232776	Method for identifying compounds which affect synaptogenesis	Worley, Paul	18-Dec-03	United States
20030224066	POLYSACCHARIDE EXTRACT OF DIOSCOREA SP. AND AN ORALLY ACTIVE PHARMACEUTICAL COMPOSITION COMPRISING THE SAME	Wu, Rong-Tsun	04-Dec-03	Taiwan
20030235535	Screening and therapeutic methods for treating circadian rhythm disorders	Zhou, Qun-Yong	25-Dec-03	United States
20030223967	Adenoviral p53 gene transfer in the prevention and treatment of injury-induced vascular smooth muscle cell proliferation	Zumstein, Louis	04-Dec-03	United States

### ERROR DETECTION

Appl. No.	Title	Assignee	Date Issued	Country
20030226098	Methods for analysis of measurement errors in measured signals	Weng, Lee	04-Dec-03	United States

### MULTICELLULAR LIVING ORGANISMS

Appl. No.	Title	Assignee	Date Issued	Country
20030229908	Embryonic or stem-like cell lines produced by cross species nuclear transplantation and methods for enhancing embryonic development by genetic alteration of donor cells or by tissue culture conditions	Advanced Cell Technology	11-Dec-03	United States
20030229904	Nucleic acid and corresponding protein entitled 161P5C5 useful in treatment and detection of cancer	Challita-Eid, Pia M.	11-Dec-03	United States

20030237105	MGLUR5 metabotropic glutamate receptor gene disruptions, and compositions and methods related thereto	DELTAGEN, INC.	25-Dec-03	United States
20030229916	Phosphoribosylaminoimidazole carboxylase	E I DU PONT DE NEMOURS AND COMPANY	11-Dec-03	United States
20030229914	Sterol metabolism enzymes	E I DU PONT DE NEMOURS AND COMPANY	11-Dec-03	United States
20030229917	Phytic acid biosynthetic enzymes	E I DU PONT DE NEMOURS AND COMPANY	11-Dec-03	United States
20030226179	Plant aminoacyl-tRNA synthetases	E.I du Pont de Nemours and Company	11-Dec-03	United States
20030226158	Cds1 knockout cells and mice, and their utilization	Ikeda, Kyoji	04-Dec-03	Japan
20030237110	Polynucleotides and polypeptides derived from corn seedling	Incyte Pharmaceuticals, Inc.	25-Dec-03	United States
20030229907	Transgenic non-human mammals with progressive neurologic disease	John Hopkins University	11-Dec-03	United States
20030226154	Pathophysiology associated with a single gene (MASS 1) mutation underlying the robust audiogenic seizure phenotype in frings mice	Klein, Brian	04-Dec-03	United States
20030226161	Salutaridinol 7-O-acetyltransferase and derivatives thereof	Kutchan, Toni M.	04-Dec-03	Germany
20030229910	Short fragment homologous replacement to provide BSE resistant cattle	Metz, Richard	11-Dec-03	United States
20030233678	Pre- and post-harvest inhibition of remobilisation of storage compounds	Mogen International N.V.	18-Dec-03	United States
20030229919	Polypeptide compositions toxic to anthonomus insects, and methods of use	MONSANTO COMPANY	11-Dec-03	United States
20030237109	Flower-bud formation suppressor gene and early flowering plant	National Agricultural Research Org.	25-Dec-03	Japan
20030233671	Promoters for molecular farming and/or early detection of transgenic plants	National Research Council of Canada	18-Dec-03	Canada
20030226167	No-apical meristem proteins, polynucleotides and methods of use for same	Pioneer Hi-Bred International, Inc.	04-Dec-03	United States

20030226160	Compositions and methods for locating preferred integration sites within the genome of a plant	Pioneer Hi-Bred International, Inc.	04-Dec-03	United States
20030229918	Seed specific USP promoters for expressing genes in plants	Renessen LLC	11-Dec-03	United States
20030233672	Compositions and methods for regulation of plant gamma-tocopherol methyltransferase	Sangamo Biosciences, Inc	18-Dec-03	United States
20030237113	Soybean cultivar S37-N4	SYNGENTA BIOTECHNOLOGY, INC.	25-Dec-03	United States
20030229911	Compositions and methods for wound healing	The Wistar Institute	11-Dec-03	United States
20030233676	Increasing host plant susceptibility to agrobacterium infection by overexpression of the arabidopsis VIP1 gene	Tzfira, Tzvi	18-Dec-03	United States
20030226163	HMG2 promoter expression system and post-harvest production of gene products in plants and plant cell cultures	Virginia Tech Intellectual Properties, Inc.	04-Dec-03	United States

#### ORGANIC COMPOUNDS

Appl. No.	Title	Assignee	Date Issued	Country
20030236394	Light activated gene transduction using long wavelength ultraviolet light for cell targeted gene delivery	Schwarz, Edward M.	25-Dec-03	United States
20030236393	Virulence genes of M. marinum and M. tuberculosis	UNITED STATES OF AMERICA DEPT OF VETERANS AFFAIRS	25-Dec-03	United States

#### SURGERY

Appl. No.	Title	Assignee	Date Issued	Country
20030229384	Method and apparatus for treatment of tissue adjacent a bodily conduit with a compression balloon	Celsion Corporation	11-Dec-03	United States
20030225370	Apparatus and method for delivering therapeutic and diagnostic agents	Scimed Life Systems, Inc.	04-Dec-03	United States