

## APRIL, 2006 Gene-Related Patents Issued

<b>CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY</b>				
<b>Patent Number</b>	<b>Title</b>	<b>Assignee</b>	<b>Date Issued</b>	<b>Country</b>
<a href="#">7,029,854</a>	<a href="#">Methods designing multiple mRNA transcript nucleic acid probe sequences for use in nucleic acid arrays</a>	<b>Agilent Technologies, Inc.</b>	<b>18-Apr-06</b>	United States
<a href="#">7,026,113</a>	<a href="#">EIA vaccine and diagnostic</a>	<b>Akzo Nobel N.V.</b>	<b>11-Apr-06</b>	Netherlands
<a href="#">7,026,112</a>	<a href="#">Oligonucleotides for the amplification and detection of Epstein Barr Virus (EBV) nucleic acid</a>	<b>Akzo Nobel N.V.</b>	<b>11-Apr-06</b>	Netherlands
<a href="#">7,026,162</a>	<a href="#">Lac shuttle vectors</a>	<b>Anawrahta Biotech Co., Ltd.</b>	<b>11-Apr-06</b>	Taiwan
<a href="#">7,029,838</a>	<a href="#">Prevascularized constructs for implantation to provide blood perfusion</a>	<b>Arizona Board of Regents on behalf of the University of Arizona</b>	<b>18-Apr-06</b>	United States
<a href="#">7,022,499</a>	<a href="#">Nucleic acids encoding differentiation inhibitor delta 2</a>	<b>Asahi Kasei Kabushiki Kaisha</b>	<b>4-Apr-06</b>	Japan
<a href="#">7,033,782</a>	<a href="#">Compositions and methods for non-targeted activation of endogenous genes</a>	<b>Athersys, Inc.</b>	<b>25-Apr-06</b>	United States
<a href="#">7,033,826</a>	<a href="#">Recombinant adenoviruses, use thereof for preparing AAVS, complementary cell line, and pharmaceutical compositions containing said adenoviruses</a>	<b>Aventis Pharma S.A.</b>	<b>25-Apr-06</b>	France
<a href="#">7,029,859</a>	<a href="#">Sequences for targeting metastatic cells</a>	<b>Baylor College of Medicine</b>	<b>18-Apr-06</b>	United States
<a href="#">7,026,116</a>	<a href="#">Polymorphisms in the region of the human hemochromatosis gene</a>	<b>Bio-Rad Laboratories, Inc.</b>	<b>11-Apr-06</b>	United States
<a href="#">7,033,815</a>	<a href="#">Biosynthesis of S-adenosylmethionine in a recombinant yeast strain</a>	<b>Board of Regents, the University of Texas System</b>	<b>25-Apr-06</b>	United States
<a href="#">7,029,851</a>	<a href="#">Polynucleotide encoding a gene conferring resistance to Bacillus thuringiensis toxins</a>	<b>Clemson University</b>	<b>18-Apr-06</b>	United States
<a href="#">7,033,834</a>	<a href="#">Methods and means for targeted gene delivery</a>	<b>Crucell Holland B.V.</b>	<b>25-Apr-06</b>	Netherlands
<a href="#">7,022,510</a>	<a href="#">Human megakaryocyte-associated tyrosine kinase (MATK)-related gene variant associated with lung cancers</a>	<b>Dai; Ken-Shwo</b>	<b>4-Apr-06</b>	Taiwan
<a href="#">7,033,757</a>	<a href="#">Mutation scanning array, and methods of use thereof</a>	<b>Dana-Farber Cancer Institute, Inc.</b>	<b>25-Apr-06</b>	United States
<a href="#">7,026,158</a>	<a href="#">Nucleotide sequences which code for the mikE17 gene</a>	<b>Degussa AG</b>	<b>11-Apr-06</b>	Germany
<a href="#">7,029,904</a>	<a href="#">Nucleotide sequences which code for the dep34 gene</a>	<b>Degussa AG</b>	<b>18-Apr-06</b>	Germany
<a href="#">7,033,781</a>	<a href="#">Whole cell engineering by mutagenizing a substantial portion of a starting genome, combining mutations, and optionally repeating</a>	<b>Diversa Corporation</b>	<b>25-Apr-06</b>	United States

<a href="#">7,029,889</a>	<a href="#">Plant sorbitol biosynthetic enzymes</a>	<b>E. I. du Pont de Nemours and Company</b>	<b>18-Apr-06</b>	United States
<a href="#">7,033,817</a>	<a href="#">Proteases from gram positive organisms</a>	<b>Genencor International, Inc.</b>	<b>25-Apr-06</b>	United States
<a href="#">7,033,752</a>	<a href="#">Spinal muscular atrophy diagnostic methods</a>	<b>Institut National de la Sante et de la Recherche Medicale</b>	<b>25-Apr-06</b>	France
<a href="#">7,033,744</a>	<a href="#">Method for proliferating a liver cell, a liver cell obtained thereby, and use thereof</a>	<b>Kobayashi; Naoya</b>	<b>25-Apr-06</b>	Japan
<a href="#">7,033,818</a>	<a href="#">Recombinant polyketide synthase genes</a>	<b>Kosan Biosciences, Inc.</b>	<b>25-Apr-06</b>	United States
<a href="#">RE39,062</a>	<a href="#">INGAP protein involved in pancreatic islet neogenesis</a>	<b>McGill Unviersity</b>	<b>11-Apr-06</b>	United States
<a href="#">7,022,502</a>	<a href="#">Process for the biological production of L-pipecolic acid</a>	<b>Mercian Corporation</b>	<b>4-Apr-06</b>	Japan
<a href="#">7,033,814</a>	<a href="#">Methods for preparing yeast with improved biotin productivity using integrating plasmids encoding biotin synthase</a>	<b>National Science Council</b>	<b>25-Apr-06</b>	Taiwan
<a href="#">7,029,842</a>	<a href="#">Signal sequence trapping</a>	<b>Novozymes A/S</b>	<b>18-Apr-06</b>	Denmark
<a href="#">7,029,887</a>	<a href="#">Methods related to Streptomyces avermitilis gene directing the ratio of B2:B1 avermectins</a>	<b>Pfizer Inc.</b>	<b>18-Apr-06</b>	United States
<a href="#">7,033,807</a>	<a href="#">Aspergillus ochraceus 11 alpha hydroxylase and oxidoreductase</a>	<b>Pharmacia Corporation</b>	<b>25-Apr-06</b>	United States
<a href="#">7,026,123</a>	<a href="#">UTR tag assay for gene function discovery</a>	<b>Pioneer Hi-Bred International, Inc.</b>	<b>11-Apr-06</b>	United States
<a href="#">7,033,833</a>	<a href="#">Polynucleotides encoding carnation senescence-induced EIF-5A</a>	<b>Senesco, Inc.</b>	<b>25-Apr-06</b>	United States
<a href="#">7,033,761</a>	<a href="#">Expression miniarrays and uses thereof</a>	<b>Shafer; David A.</b>	<b>25-Apr-06</b>	United States
<a href="#">7,026,141</a>	<a href="#">Topoisomerase-based reagents and methods for molecular cloning</a>	<b>Sloan-Kettering Institute for Cancer Research</b>	<b>11-Apr-06</b>	United States
<a href="#">H2,153</a>	<a href="#">Association of asthma with polymorphisms in the cysteinyl leukotriene 2 receptor</a>	<b>SmithKline Beecham Corp.</b>	<b>4-Apr-06</b>	United States
<a href="#">7,029,908</a>	<a href="#">Plasmids for plant transformation and method for using the same</a>	<b>Syngenta Mogen BV</b>	<b>18-Apr-06</b>	Netherlands
<a href="#">7,026,159</a>	<a href="#">Hyaluronate synthase gene and uses thereof</a>	<b>The Board of Regents of the University of Oklahoma</b>	<b>11-Apr-06</b>	United States
<a href="#">7,033,793</a>	<a href="#">P53 binding protein-related protein in cardiomyopathy</a>	<b>The Brigham and Women's Hospital, Inc.</b>	<b>25-Apr-06</b>	United States
<a href="#">7,033,768</a>	<a href="#">Reverse two-hybrid systems</a>	<b>The General Hospital Corporation</b>	<b>25-Apr-06</b>	United States
<a href="#">7,029,891</a>	<a href="#">_1,3-fucosyltransferase</a>	<b>The Governors of the University of Alberta</b>	<b>18-Apr-06</b>	Canada
<a href="#">7,022,496</a>	<a href="#">Use of gene product of adenovirus early region 4 ORF-6 to inhibit repair of double-strand breaks in DNA</a>	<b>The Johns Hopkins University</b>	<b>4-Apr-06</b>	United States
<a href="#">7,022,480</a>	<a href="#">Exons of the hSKCa3/KCNN3 gene</a>	<b>The Regents of the University of California</b>	<b>4-Apr-06</b>	United States

<a href="#">7,033,759</a>	<a href="#">Variants of the human kappa opioid receptor gene</a>	The Rockefeller University	25-Apr-06	United States
<a href="#">7,022,519</a>	<a href="#">Compositions and methods for helper-free production of recombinant adeno-associated viruses</a>	The Trustees of the University of Pennsylvania	4-Apr-06	United States
<a href="#">7,033,779</a>	<a href="#">Method for preparing steroids modified by yeast fermentation</a>	Transgene S.A.	25-Apr-06	France
<a href="#">7,033,756</a>	<a href="#">Methods of diagnosing, prognosticating and treating matrix metalloproteinase-1 related diseases via a matrix metalloproteinase-1 single nucleotide polymorphism</a>	Trustees of Dartmouth College	25-Apr-06	United States
<a href="#">7,022,487</a>	<a href="#">Compositions and methods for regulating RNA stability using polypyrimidine tract proteins</a>	Trustees of Dartmouth College	4-Apr-06	United States
<a href="#">7,033,816</a>	<a href="#">Activators of cyclin-dependent kinases</a>	Research Foundation, Inc.	25-Apr-06	United States
<a href="#">7,029,879</a>	<a href="#">Iodine uptake restoration in thyroid cancer</a>	University of Kentucky Research Foundation	18-Apr-06	United States
<a href="#">7,033,766</a>	<a href="#">Construction and screening of lantibody display libraries</a>	University of Maryland Office of Technology Commercialization	25-Apr-06	United States

#### CHEMISTRY: NATURAL RESINS OR DERIVATIVES

Patent Number	Title	Assignee	Date Issued	Country
<a href="#">7,030,222</a>	<a href="#">Human gastric cancer antigen gene and gastric cancer antigen protein</a>	Ajinomoto Co., Inc.	18-Apr-06	Japan
<a href="#">7,030,212</a>	<a href="#">Tumor antigen based on products of the tumor suppressor gene WT1</a>	Haruo Sugiyama	18-Apr-06	Japan
<a href="#">7,034,115</a>	<a href="#">Transposase and method of gene modification</a>	Japan Science and Technology Corporation	25-Apr-06	Japan
<a href="#">7,022,816</a>	<a href="#">Dopamine receptors and genes</a>	Oregon Health and Science University	4-Apr-06	United States
<a href="#">7,030,227</a>	<a href="#">Cell regulatory genes, encoded products, and uses related thereto</a>	President & Fellows of Harvard College	18-Apr-06	United States

#### CLEANING COMPOSITIONS FOR SOLID SURFACES

Patent Number	Title	Assignee	Date Issued	Country
<a href="#">7,033,981</a>	<a href="#">Alkaline cellulase variants</a>	Kao Corporation	25-Apr-06	Japan

#### DATA PROCESSING

Patent Number	Title	Assignee	Date Issued	Country
<a href="#">7,031,843</a>	<a href="#">Computer methods and systems for displaying information relating to gene expression data</a>	Gene Logic Inc.	18-Apr-06	United States
<a href="#">7,031,847</a>	<a href="#">Method and apparatus for displaying gene expression patterns</a>	Hitachi Software Engineering Co., Ltd.	18-Apr-06	Japan

<a href="#">7.035.739</a>	<a href="#">Computer systems and methods for identifying genes and determining pathways associated with traits</a>	Rosetta Inpharmatics LLC	25-Apr-06	United States
<a href="#">7.031.845</a>	<a href="#">Method for determining biological expression levels by linear programming</a>	University of Chicago	18-Apr-06	United States

<b>DRUG</b>				
<b>Patent Number</b>	<b>Title</b>	<b>Assignee</b>	<b>Date Issued</b>	<b>Country</b>
<a href="#">7.030.096</a>	<a href="#">Method of enhancing relaxation of penile smooth muscle by introduction of DNA encoding maxi-K potassium channel protein</a>	Albert Einstein College of Medicine of Yeshiva University	18-Apr-06	United States
<a href="#">7.030.126</a>	<a href="#">Use of polyamine analogs for amyotrophic lateral sclerosis</a>	Development Foundation, Inc.	18-Apr-06	United States
<a href="#">7.025.970</a>	<a href="#">Modified poxviruses, including modified smallpox virus vaccine based on recombinant drug-sensitive vaccinia virus, and new selection methods</a>	Baxter International Inc.	11-Apr-06	United States
<a href="#">7.030.080</a>	<a href="#">Lymphotoxin-, lymphotoxin-complexes, pharmaceutical preparations and therapeutic uses thereof</a>	Biogen, Inc.	18-Apr-06	United States
<a href="#">7.026.284</a>	<a href="#">Formative agent of protein complex</a>	BMG Incorporated	11-Apr-06	Japan
<a href="#">7.034.010</a>	<a href="#">Use of recombinant gene delivery vectors for treating or preventing lysosomal storage disorders</a>	Chiron Corporation	25-Apr-06	United States
<a href="#">7.025.969</a>	<a href="#">Protein kinase deficient, immunologically active CMVpp65 mutants</a>	City of Hope	11-Apr-06	United States
<a href="#">7.030.097</a>	<a href="#">Controlled nucleic acid delivery systems</a>	Cornell Research Foundation, Inc.	18-Apr-06	United States
<a href="#">7.034.007</a>	<a href="#">Low adenosine anti-sense oligonucleotide, compositions, kit &amp; method for treatment of airway disorders associated with bronchoconstriction, lung inflammation, allergy(ies) &amp; surfactant depletion</a>	East Carolina University	25-Apr-06	United States
<a href="#">7.022.321</a>	<a href="#">Use of marrow-derived glial progenitor cells as gene delivery vehicles into the central nervous system</a>	Eglitis; Martin A.	4-Apr-06	United States
<a href="#">7.029.664</a>	<a href="#">Chicken leukemia inhibitory factor (LIF)</a>	Hiroshima University	18-Apr-06	Japan
<a href="#">7.029.665</a>	<a href="#">Human suppressor tRNA oligonucleotides and methods for use for same</a>	Human Gene Therapy Research Institute	18-Apr-06	United States
<a href="#">7.033.596</a>	<a href="#">Transformant for screening of inhibitors for human immunodeficiency virus</a>	Ji-Chang You	25-Apr-06	Korea

<a href="#">7.033.613</a>	<a href="#">Recombinant cage-like protein, method for producing the same, precious metal-recombinant cage-like protein complex, method for producing the same and recombinant DNA</a>	Matsushita Electric Industrial Co., Ltd.	25-Apr-06	Japan
<a href="#">7.029.697</a>	<a href="#">Controlled surface-associated delivery of genes and oligonucleotides</a>	Northwestern University	18-Apr-06	United States
<a href="#">7.029.666</a>	<a href="#">Uses for non-autologous mesenchymal stem cells</a>	Osiris Therapeutics, Inc.	18-Apr-06	United States
<a href="#">7.029.683</a>	<a href="#">Lawsonia derived gene and related hemolysin polypeptides, peptides and proteins and their uses</a>	Pfizer Products, Inc.	18-Apr-06	United States
<a href="#">7.030.099</a>	<a href="#">Tumor specific promoters of the midkine gene that allow for selective expression in P53-inactivated cells</a>	Research Corporation Technologies, Inc.	18-Apr-06	United States
<a href="#">7.029.681</a>	<a href="#">Multiple and multivalent DNA vaccines in ovo</a>	Schweitzer Chemical Corporation	18-Apr-06	United States
<a href="#">7.025.967</a>	<a href="#">Recombinant protein production in bovine adenovirus expression vector system</a>	University of Saskatchewan	11-Apr-06	Canada

<b>MULTICELLULAR LIVING ORGANISMS AND UNMODIFIED PARTS</b>				
<b>Patent Number</b>	<b>Title</b>	<b>Assignee</b>	<b>Date Issued</b>	<b>Country</b>
<a href="#">7.022.893</a>	<a href="#">Knockin gene-mutated mouse comprising a mutant presenilin-1 gene</a>	Daiichi Pharmaceutical Co., Ltd.	4-Apr-06	Japan
<a href="#">7.030.291</a>	<a href="#">CYT28 serpentine receptor disruptions, compositions and methods relating thereto</a>	Deltagen, Inc.	18-Apr-06	United States
<a href="#">7.026.527</a>	<a href="#">Plant methionine synthase gene and methods for increasing the methionine content of the seeds of plants</a>	E. I. du Pont de Nemours and Company	11-Apr-06	United States
<a href="#">7.022.895</a>	<a href="#">Plant amino acid biosynthetic enzymes</a>	E.I. du Pont de Nemours and Company	4-Apr-06	United States
<a href="#">7.026.525</a>	<a href="#">Vector for gene trap, and a method for gene trapping by using the vector</a>	Japan Science and Technology Corporation	11-Apr-06	Japan
<a href="#">7.034.204</a>	<a href="#">Plant regulatory sequences for selective control of gene expression</a>	Monsanto Technology LLC	25-Apr-06	United States
<a href="#">7.026.530</a>	<a href="#">Wooden leg gene, promoter and uses thereof</a>	New York University	11-Apr-06	United States
<a href="#">7.034.202</a>	<a href="#">Heavy metal phytoremediation</a>	The Regents of the University of California	25-Apr-06	United States
<a href="#">7.034.205</a>	<a href="#">Genetically modified plants having modulated brassinosteroid signaling</a>	The Salk Institute for Biological Studies	25-Apr-06	United States
<a href="#">7.034.203</a>	<a href="#">Methods and composition for modulating flavonols content</a>	Unilever Patent Holdings B.V.	25-Apr-06	Netherlands

<b>ORGANIC COMPOUNDS</b>				
<b>Patent Number</b>	<b>Title</b>	<b>Assignee</b>	<b>Date Issued</b>	<b>Country</b>
<a href="#">7,022,832</a>	<a href="#">Oligonucleotides containing an antisense sequence stabilized by a secondary structure, pharmaceutical compositions containing them and method of blocking gene expression using them</a>	<b>Bioalliance Pharma (S.A.)</b>	<b>4-Apr-06</b>	France
<a href="#">7,026,464</a>	<a href="#">Natural promoters for gene expression in C1 metabolizing bacteria</a>	<b>E. I. du Pont de Nemours and Company</b>	<b>11-Apr-06</b>	United States
<a href="#">7,034,140</a>	<a href="#">Genes involved in isoprenoid compound production</a>	<b>E.I. du Pont de Nemours and Company</b>	<b>25-Apr-06</b>	United States
<a href="#">7,034,144</a>	<a href="#">Molecular detection of chromosome aberrations</a>	<b>Erasmus Universiteit Rotterdam</b>	<b>25-Apr-06</b>	Netherlands
<a href="#">7,034,139</a>	<a href="#">Rice gene for controlling tolerance to salt stress</a>	<b>Incorporated Administrative Agency</b>	<b>25-Apr-06</b>	Japan
<a href="#">7,030,234</a>	<a href="#">Non-M, non-O HIV-1 strains, fragments and uses</a>	<b>Institute National de la Sante et de la Recherche Medicale-Inserm</b>	<b>18-Apr-06</b>	France
<a href="#">7,034,135</a>	<a href="#">Molecules of the NBS/LRR protein family and uses thereof</a>	<b>Millennium Pharmaceuticals, Inc.</b>	<b>25-Apr-06</b>	United States
<a href="#">7,030,235</a>	<a href="#">Compositions to detect lesions associated with hearing loss in the cochlear gene, COCH5B2</a>	<b>The Brigham &amp; Women's Hospital, Inc.</b>	<b>18-Apr-06</b>	United States
<a href="#">7,022,831</a>	<a href="#">Regulation of BCL-2 gene expression</a>	<b>The Trustees of the University of Pennsylvania</b>	<b>4-Apr-06</b>	United States