

## AUGUST, 2004 102 Gene-related Patents Issued

CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY				
Patent Number	Title	Assignee	Date Issued	Country
<a href="#">6,777,208</a>	<a href="#">Method for producing 2' - deoxyribonucleoside</a>	Ajinomoto Co., Inc.	17-Aug-04	Japan
<a href="#">6,783,939</a>	<a href="#">Alphavirus vectors and virosomes with modified HIV genes for use in vaccines</a>	Alphavax, Inc	31-Aug-04	United States
<a href="#">6,770,469</a>	<a href="#">Protein-deamidating enzyme, gene encoding the same, production process therefor, and use thereof</a>	Amano Pharmaceutical Co., Ltd.	3-Aug-04	Japan
<a href="#">6,783,978</a>	<a href="#">Isolation and characterization of the genomic DNA clones of ribosomal protein gene L25 in tobacco</a>	Battelle Memorial Institute	31-Aug-04	United States
<a href="#">6,773,919</a>	<a href="#">Expression vector for production of recombinant proteins</a>	Biovitrum AB	10-Aug-04	Sweden
<a href="#">6,780,583</a>	<a href="#">DNA encoding canine von willebrand factor and methods of use</a>	Board of Trustees Operating Michigan State University	24-Aug-04	United States
<a href="#">6,783,980</a>	<a href="#">Packaging systems for human recombinant adenovirus to be used in gene therapy</a>	Crucell Holland B.V.	31-Aug-04	Netherlands
<a href="#">6,780,619</a>	<a href="#">D-aminoacylase and gene encoding the same</a>	Daicel Chemical Industries, Ltd.	24-Aug-04	Japan
<a href="#">6,783,967</a>	<a href="#">Nucleotide sequences which code for the rpoB gene</a>	Degussa AG	31-Aug-04	Germany
<a href="#">6,777,229</a>	<a href="#">Plasmids from Corynebacterium glutamicum and use thereof</a>	Degussa AG	17-Aug-04	Germany
<a href="#">6,777,206</a>	<a href="#">Nucleotide sequences which code for the RodA protein</a>	Degussa AG	17-Aug-04	Germany
<a href="#">6,773,900</a>	<a href="#">End selection in directed evolution</a>	Diversa Corporation	10-Aug-04	United States
<a href="#">6,783,985</a>	<a href="#">Gene disruption methodologies for drug target discovery</a>	Elitra Pharmaceuticals Inc.	31-Aug-04	United States
<a href="#">6,780,621</a>	<a href="#">Guava (Psidium guajava) 13-hydroperoxide lyase and uses thereof</a>	Firmenich SA	24-Aug-04	Switzerland

<a href="#">6.780.609</a>	<a href="#">High bone mass gene of 1.1q13.3</a>	<b>Genome Therapeutics Corporation</b>	<b>24-Aug-04</b>	United States
<a href="#">6.770.461</a>	<a href="#">High bone mass gene of 11q13.3</a>	<b>Genome Therapeutics Corporation</b>	<b>3-Aug-04</b>	United States
<a href="#">6.783.961</a>	<a href="#">Expressed sequence tags and encoded human proteins</a>	<b>Genset S.A.</b>	<b>31-Aug-04</b>	France
<a href="#">6.777.203</a>	<a href="#">Telomerase promoter driving expression of therapeutic gene sequences</a>	<b>Geron Corporation</b>	<b>17-Aug-04</b>	United States
<a href="#">6.777.236</a>	<a href="#">Process for producing a neuronal host cell in vitro comprising regulatory sequences of the .beta.2-subunit of the neuronal nicotinic acetylcholine receptor</a>	<b>Institut Pasteur</b>	<b>17-Aug-04</b>	France
<a href="#">6.770.438</a>	<a href="#">MN gene and protein</a>	<b>Institute of Virology, Slovak Academy of Sciences</b>	<b>3-Aug-04</b>	Slovakia
<a href="#">6.773.920</a>	<a href="#">Delivery of functional protein sequences by translocating polypeptides</a>	<b>Invitrogen Corporation</b>	<b>10-Aug-04</b>	United States
<a href="#">6.770.456</a>	<a href="#">Endogenous retrovirus tumor associated nucleic acids and antigens</a>	<b>Ludwig Institute for Cancer Research</b>	<b>3-Aug-04</b>	United States
<a href="#">6.777.202</a>	<a href="#">Recombinant expression of S-layer proteins</a>	<b>NANO-S Biotechnologie GmbH</b>	<b>17-Aug-04</b>	Austria
<a href="#">6.783.959</a>	<a href="#">Methods and compositions relating to CD39-like polypeptides and nucleic acids</a>	<b>Nuvelo, Inc.</b>	<b>31-Aug-04</b>	United States
<a href="#">6.783.973</a>	<a href="#">Mammalian catecholamine receptor genes and uses</a>	<b>Oregon Health &amp; Science University</b>	<b>31-Aug-04</b>	United States
<a href="#">6.783.981</a>	<a href="#">Anti-viral vectors</a>	<b>Oxford Biomedica (UK) Limited</b>	<b>31-Aug-04</b>	United Kingdom
<a href="#">6.770.452</a>	<a href="#">Methods for the identification of inhibitors of serine acetyltransferase activity in plants</a>	<b>Paradigm Genetics, Inc.</b>	<b>3-Aug-04</b>	United States
<a href="#">6.773.899</a>	<a href="#">Phage-dependent superproduction of biologically active protein and peptides</a>	<b>Phage Biotechnology Corporation</b>	<b>10-Aug-04</b>	United States
<a href="#">6.780.644</a>	<a href="#">Use of beta recombinase in eukaryotic cells, especially for transgenic work</a>	<b>Pharmacia Spain S.A.</b>	<b>24-Aug-04</b>	Spain

6.780.587	<a href="#">Methods for diagnosing Pseudoxanthoma elasticum</a>	PXE International, Inc.	24-Aug-04	United States
6.773.879	<a href="#">Process for obtaining plant DNA fragment and use thereof</a>	Research Association for Reforestation of Tropical Forest	10-Aug-04	Japan
6.777.220	<a href="#">Manipulation of negative stranded RNA viruses by rearrangement of their genes and uses thereof</a>	Research Development Foundation	17-Aug-04	United States
6.777.185	<a href="#">Functional genomics using zinc finger proteins</a>	Sangamo Biosciences, Inc.	17-Aug-04	United States
6.780.590	<a href="#">Gene identification</a>	Sangamo Biosciences, Inc.	24-Aug-04	United States
6.780.594	<a href="#">Method for in vitro diagnosis of endometriosis</a>	Schering Aktiengesellschaft	24-Aug-04	Germany
6.780.610	<a href="#">Identification of a smooth muscle cell (SMC) specific smooth muscle heavy chain (SM-MHC) promoter/enhancer</a>	Setagon, Inc.	24-Aug-04	United States
6.777.209	<a href="#">Vectors, cells and processes for pyrimidine deoxyribonucleosides production</a>	SmithKline Beecham Corporation	17-Aug-04	United States
6.777.205	<a href="#">Host cells expressing recombinant human erythropoietin</a>	Sterrenbeld Biotechnologie North America, Inc.	17-Aug-04	United States
6.783.970	<a href="#">System for expressing hyperthermostable protein</a>	Takara Bio Inc.	31-Aug-04	Japan
6.770.481	<a href="#">Gene isolation method</a>	Takara Shuzo Co., Ltd.	3-Aug-04	Japan
6.773.881	<a href="#">Methods of modulating hair growth</a>	The General Hospital Corporation	10-Aug-04	United States
6.783.982	<a href="#">Proteins related to neuronal regeneration and uses thereof</a>	The Governing Council of The University of Toronto	31-Aug-04	Canada
6.773.897	<a href="#">Method of predicting the clinical response to chemotherapeutic treatment with alkylating agents</a>	The Johns Hopkins University School of Medicine	10-Aug-04	United States
6.783.933	<a href="#">CACNA1G polynucleotide, polypeptide and methods of use therefor</a>	The Johns Hopkins University School of Medicine	31-Aug-04	United States
6.773.918	<a href="#">Detection of phenols using engineered bacteria</a>	The Regents of the University of California	10-Aug-04	United States

<a href="#">6,783,943</a>	<a href="#">Rolling circle amplification detection of RNA and DNA</a>	<b>The Regents of the University of California</b>	<b>31-Aug-04</b>	United States
<a href="#">6,773,914</a>	<a href="#">PiggyBac transformation system</a>	<b>the Secretary of Agriculture</b>	<b>10-Aug-04</b>	United States
<a href="#">6,770,440</a>	<a href="#">Polymerase chain reaction assay for the detection of Toxoplasma gondii</a>	<b>the Secretary of Agriculture</b>	<b>3-Aug-04</b>	United States
<a href="#">6,773,893</a>	<a href="#">Human ABC1 promoter and assays based thereon</a>	<b>The Trustees of Columbia University in the City of New York</b>	<b>10-Aug-04</b>	United States
<a href="#">6,777,235</a>	<a href="#">Complementation trap</a>	<b>The University of British Columbia</b>	<b>17-Aug-04</b>	Canada
<a href="#">6,780,639</a>	<a href="#">Antibiotic inducible/repressible genetic construct for gene therapy or gene immunization</a>	<b>Universite Libre de Bruxelles</b>	<b>24-Aug-04</b>	Belgium
<a href="#">6,783,972</a>	<a href="#">Methods for large-scale production of recombinant AAV vectors</a>	<b>University of Florida Research Foundation</b>	<b>31-Aug-04</b>	United States
<a href="#">6,777,216</a>	<a href="#">Ethanolaminophosphate cytidyltransferase gene and promoter</a>	<b>University of Guelph</b>	<b>17-Aug-04</b>	Canada
<a href="#">6,770,446</a>	<a href="#">Cell systems having specific interaction of peptide binding pairs</a>	<b>Wyeth</b>	<b>3-Aug-04</b>	United States

#### CHEMISTRY: NATURAL RESINS

<b>Patent Number</b>	<b>Title</b>	<b>Assignee</b>	<b>Date Issued</b>	<b>Country</b>
<a href="#">6,777,537</a>	<a href="#">Osteoclast proton pump subunit</a>	<b>Forsyth Dental Infirmary for Children</b>	<b>17-Aug-04</b>	United States
<a href="#">6,780,977</a>	<a href="#">Methods and compositions relating to CD39-like polypeptides and nucleic acids</a>	<b>Nuvelo, Inc.</b>	<b>24-Aug-04</b>	United States
<a href="#">6,770,740</a>	<a href="#">Crosslinked DNA condensate compositions and gene delivery methods</a>	<b>The Regents of the University of Michigan</b>	<b>3-Aug-04</b>	United States
<a href="#">6,774,217</a>	<a href="#">FHIT proteins and nucleic acids and methods based thereon</a>	<b>Thomas Jefferson University</b>	<b>10-Aug-04</b>	United States

#### DATA PROCESSING

Patent Number	Title	Assignee	Date Issued	Country
<a href="#">6,785,613</a>	<a href="#">Selection of sites for targeting by zinc finger proteins and methods of designing zinc finger proteins to bind to preselected sites</a>	Sangamo Biosciences, Inc.	31-Aug-04	United States

DRUG				
Patent Number	Title	Assignee	Date Issued	Country
<a href="#">6,783,756</a>	<a href="#">Methods for regulating gene expression</a>	Abbott GmbH & Co., KG	31-Aug-04	Germany
<a href="#">6,783,764</a>	<a href="#">Actinobacillus pleuropneumoniae subunit vaccine</a>	Akzo Nobel NV	31-Aug-04	Netherlands
<a href="#">6,777,438</a>	<a href="#">Inhibitors of farnesyl protein transferase</a>	AstraZeneca AB	17-Aug-04	Sweden
<a href="#">6,780,405</a>	<a href="#">Regulated antigen delivery system (RADS)</a>	Avant Immunotherapeutics, Inc.	24-Aug-04	United States
<a href="#">6,780,407</a>	<a href="#">Pox virus comprising DNA sequences encoding CEA and B7 antigen</a>	Aventis Pasteur	24-Aug-04	United States
<a href="#">6,770,277</a>	<a href="#">Recombinant DNase B derived from streptococcus pyogenes</a>	Beckman Coulter, Inc.	3-Aug-04	United States
<a href="#">6,773,709</a>	<a href="#">Chicken embryo lethal (CELO) virus</a>	Boehringer Ingelheim International GmbH	10-Aug-04	Germany
<a href="#">6,774,119</a>	<a href="#">HERPES SIMPLEX VIRUS TYPE 1 (HSV-1)-DERIVED VECTOR FOR SELECTIVELY INHIBITING MALIGNANT CELLS AND METHODS FOR ITS USE TO TREAT CANCERS AND TO EXPRESS DESIRED TRAITS IN MALIGNANT AND NON-MALIGNANT MAMMALIAN CELLS</a>	Cedars-Sinai Medical Center	10-Aug-04	
<a href="#">6,780,412</a>	<a href="#">Protein and monoclonal antibody specific thereto</a>	Fuji Yakuhin Kogyo Kabushiki Kaisha	24-Aug-04	Japan
<a href="#">6,774,117</a>	<a href="#">MN gene and protein</a>	Institute of Virology, Slovak Academy of Sciences	10-Aug-04	Slovakia
<a href="#">6,776,988</a>	<a href="#">Vectors for gene mutagenesis and gene discovery</a>	Lexicon Genetics Incorporated	17-Aug-04	

<a href="#">6.774.107</a>	<a href="#">Protein for blocking platelet adhesion</a>	<b>Merck Patent GmbH</b>	<b>10-Aug-04</b>	Germany
<a href="#">6.773.710</a>	<a href="#">Recombinant canine distemper virus vaccine against canine distemper and leishmaniasis</a>	<b>Nippon Biologicals, Inc.</b>	<b>10-Aug-04</b>	Japan
<a href="#">6.780.410</a>	<a href="#">Methods and compositions relating to CD39-like polypeptides and nucleic acids</a>	<b>Nuvelo, Inc.</b>	<b>24-Aug-04</b>	United States
<a href="#">6.780.414</a>	<a href="#">METHODS OF IDENTIFYING BACTERIAL GENES THAT ARE INCOMPATIBLE WITH BACTERIAL PATHOGENICITY, AND THE USE OF SUCH GENES, SUCH AS CADA, TO REDUCE PATHOGENICITY IN A BACTERIA OR TO COMBAT PATHOGENIC BACTERIAL INFECTIONS</a>	<b>Regents of the University of Michigan</b>	<b>24-Aug-04</b>	United States
<a href="#">6.783.762</a>	<a href="#">Product and method for obtaining specific immunization with one or more antigens</a>	<b>Stichting Biomedical Primate Research Centre</b>	<b>31-Aug-04</b>	Netherlands
<a href="#">6.774.118</a>	<a href="#">Therapeutic use of CIS-element decoys in vivo</a>	<b>The Brigham and Women's Hospital, Inc.</b>	<b>10-Aug-04</b>	United States
<a href="#">6.770.632</a>	<a href="#">Folypolyglutamyl synthetase gene transfer to enhance antifolate</a>	<b>The General Hospital Corporation</b>	<b>3-Aug-04</b>	United States
<a href="#">6.773.706</a>	<a href="#">Identification of sortase gene</a>	<b>The Regents of the University of California</b>	<b>10-Aug-04</b>	United States
<a href="#">6.780.406</a>	<a href="#">Inhibition of vascular smooth muscle cell proliferation administering a thymidine kinase gene</a>	<b>The Regents of the University of Michigan</b>	<b>24-Aug-04</b>	United States
<a href="#">6.784.162</a>	<a href="#">Gene therapy method for reducing risk of atherosclerosis</a>	<b>The University of British Columbia</b>	<b>31-Aug-04</b>	Canada

#### MULTICELLULAR LIVING ORGANISMS

<b>Patent Number</b>	<b>Title</b>	<b>Assignee</b>	<b>Date Issued</b>	<b>Country</b>
<a href="#">6.784.338</a>	<a href="#">Genetically engineered modification of potato to form amylopectin-type starch</a>	<b>BASF Plant Science GmbH</b>	<b>31-Aug-04</b>	Germany

<a href="#">6,774,283</a>	<a href="#">Molecular farming</a>	<b>Calgene LLC</b>	<b>10-Aug-04</b>	United States
<a href="#">6,777,589</a>	<a href="#">Methods and compositions for the production of stably transformed, fertile monocot plants and cells thereof</a>	<b>DeKalb Genetics Corporation</b>	<b>17-Aug-04</b>	United States
<a href="#">6,784,335</a>	<a href="#">Transgenic mice containing BMP gene disruptions</a>	<b>Deltagen, Inc.</b>	<b>31-Aug-04</b>	United States
<a href="#">6,777,592</a>	<a href="#">Arthropod defensins of Scolopendra canidens, Vaejovis carolinianus, and Argiope spp.</a>	E.I. du Pont DeNemours and Company	<b>17-Aug-04</b>	United States
<a href="#">6,774,282</a>	<a href="#">Maize metallothionein gene and promoter</a>	<b>Pioneer Hi-Bred International, Inc.</b>	<b>10-Aug-04</b>	United States
<a href="#">6,784,341</a>	<a href="#">Defense-related signaling genes and methods of use</a>	<b>Pioneer Hi-Bred International, Inc.</b>	<b>31-Aug-04</b>	United States
<a href="#">6,770,797</a>	<a href="#">Non-Transgenic nonhuman model for Alzheimer's Disease using a AD7c-NTP nucleic acid</a>	<b>Rhode Island Hospital</b>	<b>3-Aug-04</b>	United States
<a href="#">6,774,284</a>	<a href="#">DNA encoding a plant lipase, transgenic plants and a method for controlling senescence in plants</a>	<b>Senesco, Inc.</b>	<b>10-Aug-04</b>	United States
<a href="#">6,781,036</a>	<a href="#">Enhancing lignin biosynthesis in transgenic plants</a>	<b>The Regents of the University of California</b>	<b>24-Aug-04</b>	United States
<a href="#">6,781,035</a>	<a href="#">Leafy cotyledon1 genes and their uses</a>	<b>The Regents of the University of California</b>	<b>24-Aug-04</b>	United States
<a href="#">6,781,044</a>	<a href="#">Plant selectable marker and plant transformation method</a>	<b>Ventria Bioscience</b>	<b>24-Aug-04</b>	United States
<a href="#">6,777,588</a>	<a href="#">Methods and means for producing barley yellow dwarf virus resistant cereal plants</a>	<b>Waterhouse; Peter</b>	<b>17-Aug-04</b>	Australia

#### ORGANIC COMPOUNDS

<b>Patent Number</b>	<b>Title</b>	<b>Assignee</b>	<b>Date Issued</b>	<b>Country</b>
<a href="#">6,770,752</a>	<a href="#">Sequences for detection of HIV-1</a>	<b>Becton, Dickinson and Company</b>	<b>3-Aug-04</b>	United States
<a href="#">6,770,749</a>	<a href="#">P53-specific T cell receptor for adoptive immunotherapy</a>	<b>City of Hope</b>	<b>3-Aug-04</b>	United States
<a href="#">6,784,289</a>	<a href="#">Translational regulatory elements</a>	<b>Her Majesty the Queen in Right of Canada</b>	<b>31-Aug-04</b>	Canada

<a href="#">6.774.225</a>	<a href="#">Antigenized antibody vaccine for foot-and-mouth disease</a>	<b>Hong Kong University of Science &amp; Technology</b>	<b>10-Aug-04</b>	China, Hong Kong
<a href="#">6.784.290</a>	<a href="#">Antisense oligonucleotide inhibition of ras</a>	<b>ISIS Pharmaceuticals, Inc.</b>	<b>31-Aug-04</b>	United States
<a href="#">6.770.750</a>	<a href="#">Small and cysteine rich antifungal defensin and thionin-like protein genes highly expressed in the incompatible interaction</a>	<b>Korea Kumho Petrochemical Co., Ltd.</b>	<b>3-Aug-04</b>	Korea
<a href="#">6.777.546</a>	<a href="#">Methods and substances for preventing and treating autoimmune disease</a>	<b>Loma Linda University</b>	<b>17-Aug-04</b>	United States
<a href="#">6.770.747</a>	<a href="#">Genes encoding protein having activity of transferring sugar onto aurone</a>	<b>Suntory Limited</b>	<b>3-Aug-04</b>	Japan
<a href="#">6.780.987</a>	<a href="#">.beta.-cap73 control of normal and abnormal cell migration</a>	<b>Trustees of the Tufts College</b>	<b>24-Aug-04</b>	United States