

## SEPTEMBER, 2005 Gene-Related Patents Issued

### CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY

Patent Number	Title	Assignee	Date Issued	Country
<a href="#">6,943,006</a>	<a href="#">Method for metabolizing carbazole in petroleum</a>	Alps Electric Co., Ltd.	13-Sep-05	Japan
<a href="#">6,943,004</a>	<a href="#">Transformed microorganism and process for producing D-aminoacylase</a>	Amano Enzyme Inc.	13-Sep-05	Japan
<a href="#">6,939,691</a>	<a href="#">E. coli and Streptomyces host cells that contain MatBC genes or E. coli host cells that contain pcc genes useful for enhanced polyketide production</a>	Board of Trustees of the Leland Stanford Junior University	6-Sep-05	United States
<a href="#">6,949,379</a>	<a href="#">Aptamer-mediated regulation of gene expression</a>	Canji, Inc.	27-Sep-05	United States
<a href="#">6,949,380</a>	<a href="#">Transdifferentiation of epidermal basal cells into neural progenitor cells, neuronal cells and/or glial cells</a>	Cedars-Sinai Medical Center	27-Sep-05	United States
<a href="#">6,943,025</a>	<a href="#">Method for identifying genes involved in cell proliferation</a>	Children's Medical Center Corporation	13-Sep-05	United States
<a href="#">6,949,373</a>	<a href="#">Proteins having a reverse transcriptase motif</a>	Chugai Seiyaku Kabushiki Kaisha	27-Sep-05	Japan
<a href="#">6,949,364</a>	<a href="#">Testis-specific differentiation-regulatory factor</a>	Chugai Seiyaku Kabushiki Kaisha	27-Sep-05	United States
<a href="#">6,943,026</a>	<a href="#">Antitumour vector constructs and methods</a>	Cyclacel Limited	13-Sep-05	United Kingdom
<a href="#">6,939,692</a>	<a href="#">Nucleotide sequences coding for the pknB gene</a>	Degussa AG	6-Sep-05	Germany
<a href="#">6,942,996</a>	<a href="#">Isolated polynucleotide from Corynebacterium encoding a homocysteine methyltransferase</a>	Degussa AG	13-Sep-05	Germany
<a href="#">6,939,695</a>	<a href="#">Nucleotide sequences which code for the rpsL gene</a>	Degussa AG	6-Sep-05	Germany
<a href="#">6,946,271</a>	<a href="#">Nucleotide sequences which code for the menE gene</a>	Degussa AG	20-Sep-05	Germany
<a href="#">6,949,374</a>	<a href="#">FadD15 gene of Corynebacterium glutamicum, encoding an acyl-CoA synthase polypeptide</a>	Degussa AG	27-Sep-05	Germany
<a href="#">6,942,995</a>	<a href="#">Methods of creating constructs useful for introducing sequences into embryonic stem cells</a>	Deltagen, Inc.	13-Sep-05	United States
<a href="#">6,939,689</a>	<a href="#">Exonuclease-mediated nucleic acid reassembly in directed evolution</a>	Diversa Corporation	6-Sep-05	United States
<a href="#">6,943,010</a>	<a href="#">Down-regulation and silencing of allergen genes in transgenic peanut seeds</a>	Dodo; Hortense W.	13-Sep-05	United States
<a href="#">6,946,267</a>	<a href="#">Method for detecting Staphylococcus aureus</a>	DR. Chip Biotechnology Inc.	20-Sep-05	Taiwan
<a href="#">6,939,710</a>	<a href="#">Genes encoding sulfate assimilation proteins</a>	E. I. du Pont de Nemours and Company	6-Sep-05	United States

<a href="#">6,943,028</a>	<a href="#">Regulator/promoter for tunable gene expression and metabolite sensing</a>	<b>E. I. du Pont de Nemours and Company</b>	<b>13-Sep-05</b>	United States
<a href="#">6,946,266</a>	<a href="#">Gene transfer in chicken bursal stem cells</a>	<b>Fred Hutchinson Cancer Research Center</b>	<b>20-Sep-05</b>	United States
<a href="#">6,939,712</a>	<a href="#">Muting gene activity using a transgenic nucleic acid</a>	<b>Impedagen, LLC</b>	<b>6-Sep-05</b>	United States
<a href="#">6,939,704</a>	<a href="#">Enhanced expression of proteins in genetically modified fungi</a>	<b>Logen Energy Corporation</b>	<b>6-Sep-05</b>	Canada
<a href="#">6,949,383</a>	<a href="#">Mutagenesis method</a>	<b>Japan Science and Technology Corporation</b>	<b>27-Sep-05</b>	Japan
<a href="#">6,946,294</a>	<a href="#">Transgenic plant transformed with a translationally controlled tumor protein (TCTP) gene</a>	<b>Kumho Petrochemical Co.</b>	<b>20-Sep-05</b>	Korea
<a href="#">6,943,011</a>	<a href="#">Localization and characterization of the Wilms' tumor gene</a>	<b>Massachusetts Institute of Technology</b>	<b>13-Sep-05</b>	United States
<a href="#">6,949,378</a>	<a href="#">C. elegans gro-1 gene</a>	<b>McGill University</b>	<b>27-Sep-05</b>	Canada
<a href="#">6,949,356</a>	<a href="#">Methods for improving secondary metabolite production in fungi</a>	<b>Microbia, Inc.</b>	<b>27-Sep-05</b>	United States
<a href="#">6,939,698</a>	<a href="#">33945, a human glycosyltransferase family member and uses therefor</a>	<b>Millennium Pharmaceuticals, Inc.</b>	<b>6-Sep-05</b>	United States
<a href="#">6,946,274</a>	<a href="#">13245, a novel human myotonic dystrophy type protein kinase and uses therefor</a>	<b>Millennium Pharmaceuticals, Inc.</b>	<b>20-Sep-05</b>	United States
<a href="#">6,942,984</a>	<a href="#">Molecules of the card-related protein family and uses thereof</a>	<b>Millennium Pharmaceuticals, Inc.</b>	<b>13-Sep-05</b>	United States
<a href="#">6,939,694</a>	<a href="#">Nucleotide sequences which code for the citB gene</a>	<b>Möckel; Bettina</b>	<b>6-Sep-05</b>	Germany
<a href="#">6,939,699</a>	<a href="#">DNA helicase</a>	<b>Advanced Industrial Science and Technology</b>	<b>6-Sep-05</b>	Japan
<a href="#">6,942,973</a>	<a href="#">Methods for isolating genes from microorganisms</a>	<b>Novozymes Biotech, Inc.</b>	<b>13-Sep-05</b>	United States
<a href="#">6,946,251</a>	<a href="#">Methods and compositions for amplification of RNA sequences using RNA-DNA composite primers</a>	<b>NuGEN Technologies, Inc.</b>	<b>20-Sep-05</b>	United States
<a href="#">6,942,967</a>	<a href="#">Target for treating atherosclerosis, obesity and type II diabetes</a>	<b>Obe Therapy Biotechnology</b>	<b>13-Sep-05</b>	France
<a href="#">6,946,256</a>	<a href="#">Cell regulatory genes, encoded products, and uses related thereto</a>	<b>President &amp; Fellows of Harvard College</b>	<b>20-Sep-05</b>	United States
<a href="#">6,946,257</a>	<a href="#">Patched genes and uses related thereto</a>	<b>Regents of the University of California</b>	<b>20-Sep-05</b>	United States
<a href="#">6,939,674</a>	<a href="#">Medicine response assay in respiratory disease</a>	<b>SmithKline Beecham Corporation</b>	<b>6-Sep-05</b>	United States
<a href="#">6,939,711</a>	<a href="#">Control of gene expression in plants by receptor mediated transactivation in the presence of a chemical ligand</a>	<b>Syngenta Investment Corporation</b>	<b>6-Sep-05</b>	United States
<a href="#">6,949,372</a>	<a href="#">Engineering intracellular sialylation pathways</a>	<b>The Johns Hopkins University</b>	<b>27-Sep-05</b>	United States
<a href="#">6,943,013</a>	<a href="#">Human checkpoint kinase, hCDS1, compositions and methods</a>	<b>The Scripps Research Institute</b>	<b>13-Sep-05</b>	United States

<a href="#">6,943,019</a>	<a href="#">Methods and vector constructs useful for production of recombinant AAV</a>	The Trustees of the University of Pennsylvania	13-Sep-05	United States
<a href="#">6,946,246</a>	<a href="#">Production of functional proteins: balance of shear stress and gravity</a>	The United States of America as represented by the Administrator of the National	20-Sep-05	United States
<a href="#">6,939,676</a>	<a href="#">Selection procedure for identifying transgenic cells, embryos, and plants without the use of antibiotics</a>	The United States of America as represented by the Secretary of Agriculture	6-Sep-05	United States
<a href="#">6,943,000</a>	<a href="#">JNK3 modulators and methods of use</a>	University of Massachusetts	13-Sep-05	United States
<a href="#">6,942,969</a>	<a href="#">Compositions and methods for determining anti-viral drug susceptibility and resistance and anti-viral drug screening</a>	ViroLogic, Inc.	13-Sep-05	United States
<a href="#">6,942,970</a>	<a href="#">Identifying subjects suitable for topoisomerase II inhibitor treatment</a>	Zymed Laboratories, Inc.	13-Sep-05	United States

#### CHEMISTRY: NATURAL RESINS OR DERIVATIVES

Patent Number	Title	Assignee	Date Issued	Country
<a href="#">6,943,235</a>	<a href="#">Transmembrane protein expressed in prostate cancer</a>	Agensys, Inc.	13-Sep-05	United States
<a href="#">6,943,237</a>	<a href="#">GANP protein</a>	Incorporation	13-Sep-05	Japan
<a href="#">6,949,626</a>	<a href="#">Bacillus thuringiensis cryET33 and cryET34 compositions and uses therefor</a>	Monsanto Technology LLC	27-Sep-05	United States
<a href="#">6,949,623</a>	<a href="#">Method for gene transfer into target cells with retrovirus</a>	Takara Bio Inc.	27-Sep-05	Japan
<a href="#">6,949,624</a>	<a href="#">Cloning of the human nuclear receptor co-repressor gene</a>	The United States of America as represented by the Department of Health and Human Services	27-Sep-05	United States

#### DATA PROCESSING

Patent Number	Title	Assignee	Date Issued	Country
<a href="#">6,947,846</a>	<a href="#">Non-metric tool for predicting gene relationships from expression data</a>	California Institute of Technology	20-Sep-05	United States
<a href="#">6,950,753</a>	<a href="#">Methods for extracting information on interactions between biological entities from natural language text data</a>	The Trustees of the Columbia University in the City of New York	27-Sep-05	United States

#### DRUG

Patent Number	Title	Assignee	Date Issued	Country
<a href="#">6,942,855</a>	<a href="#">Viral vectors having reduced virulence</a>	Arizona Board of Regents	13-Sep-05	United States

<a href="#">6,939,544</a>	<a href="#">Antibodies against mouse pituitary tumor transforming gene carboxy-terminal (PTTG-C) peptides</a>	<b>Cedars-Sinai Medical Center</b>	<b>6-Sep-05</b>	United States
<a href="#">6,949,242</a>	<a href="#">Retroviral vector for the transfer and expression of genes for therapeutic purposes in eukaryotic cells</a>	<b>Cohen-Haguenaer; Odile</b>	<b>27-Sep-05</b>	France
<a href="#">6,946,126</a>	<a href="#">Replicating adenovirus vectors</a>	<b>Duke University</b>	<b>20-Sep-05</b>	United States
<a href="#">6,946,447</a>	<a href="#">MDM2-specific antisense oligonucleotides</a>	<b>Hybridon, Inc.</b>	<b>20-Sep-05</b>	United States
<a href="#">6,939,850</a>	<a href="#">Altered human interleukin-1 convertase (ICE), NEDD-2, and C. elegans ced-3 polypeptides and uses therefor</a>	<b>Massachusetts Institute of Technology</b>	<b>6-Sep-05</b>	United States
<a href="#">6,943,152</a>	<a href="#">DNA vaccine-PCV</a>	<b>Merial</b>	<b>13-Sep-05</b>	France
<a href="#">6,946,441</a>	<a href="#">Inhibition of histone deacetylase as a treatment for cardiac hypertrophy</a>	<b>Regents of the University of Colorado, A Body Corporation</b>	<b>20-Sep-05</b>	United States
<a href="#">6,943,153</a>	<a href="#">Use of recombinant gene delivery vectors for treating or preventing diseases of the eye</a>	<b>The Regents of the University of California</b>	<b>13-Sep-05</b>	United States

#### MULTICELLULAR LIVING ORGANISMS

Patent Number	Title	Assignee	Date Issued	Country
<a href="#">6,949,693</a>	<a href="#">Promoters for gene expression in carypsos of plants</a>	<b>Bayer CropScience GmbH</b>	<b>27-Sep-05</b>	Germany
<a href="#">6,943,277</a>	<a href="#">Transgenic mice containing stefin homolog protease inhibitor gene disruptions</a>	<b>Deltagen, Inc.</b>	<b>13-Sep-05</b>	United States
<a href="#">6,940,003</a>	<a href="#">Plan lecithin: cholesterol acyltransferases</a>	<b>E. I. du Pont de Nemours and Company</b>	<b>6-Sep-05</b>	United States
<a href="#">6,949,698</a>	<a href="#">Gene combinations that alter the quality and functionality of soybean oil</a>	<b>E. I. du Pont de Nemours and Company</b>	<b>27-Sep-05</b>	United States
<a href="#">6,940,004</a>	<a href="#">Potato cultivar FL 2027</a>	<b>Frito-Lay North America, Inc.</b>	<b>6-Sep-05</b>	United States
<a href="#">6,946,586</a>	<a href="#">Genetic trait breeding method</a>	<b>Mendel Biotechnology, Inc.</b>	<b>20-Sep-05</b>	United States
<a href="#">6,943,282</a>	<a href="#">Insect resistant plants</a>	<b>Mycogen Plant Science, Inc.</b>	<b>13-Sep-05</b>	United States
<a href="#">6,949,697</a>	<a href="#">Soybean cultivar S52-U3</a>	<b>Syngenta Participations AG</b>	<b>27-Sep-05</b>	Switzerland

#### OPTICS

Patent Number	Title	Assignee	Date Issued	Country
<a href="#">6,947,144</a>	<a href="#">vivo monitoring method of transgenic plants and system using the same</a>	<b>Dongbu Hannong Chemical Co., Ltd.</b>	<b>20-Sep-05</b>	Korea

#### ORGANIC COMPOUNDS

Patent Number	Title	Assignee	Date Issued	Country
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<a href="#">6,943,242</a>	<a href="#">Design of artificial genes for use as controls in gene expression analysis systems</a>	<b>Amersham Biosciences Corp.</b>	<b>13-Sep-05</b>	United States
<a href="#">6,943,245</a>	<a href="#">Tumor suppressor CAR-1</a>	<b>Board of Regents, The University of Texas System</b>	<b>13-Sep-05</b>	United States
<a href="#">6,949,637</a>	<a href="#">Methods for diagnosis, prediction and treatment of asthma and other inflammatory conditions based on eotaxin coding sequence polymorphism</a>	<b>Brigham and Women's Hospital, Inc.</b>	<b>27-Sep-05</b>	United States
<a href="#">6,943,243</a>	<a href="#">Control of gene expression in eukaryotic cells</a>	<b>Calgene LLC</b>	<b>13-Sep-05</b>	United States
<a href="#">6,949,636</a>	<a href="#">Intron/exon structure of the human and mouse <math>\alpha</math>-3-adrenergic receptor genes</a>	<b>Centre National de la Recherche Scientifique</b>	<b>27-Sep-05</b>	United States
<a href="#">6,939,958</a>	<a href="#">Regulatory region of a lipid transfer protein (LtpW1) from aleuron tissue of wheat</a>	<b>Her Majesty the Queen in Right of Canada, as represented by the Minister of Agriculture and Dentistry of New Jersey</b>	<b>6-Sep-05</b>	Canada
<a href="#">6,939,955</a>	<a href="#">Hematopoietic growth factor inducible neurokinin-1 gene</a>	<b>Yuhan Corporation</b>	<b>6-Sep-05</b>	United States
<a href="#">6,939,956</a>	<a href="#">Variable region of the monoclonal antibody against HBV S-surface antigen and a gene encoding the same</a>	<b>Yuhan Corporation</b>	<b>6-Sep-05</b>	Korea

<b>SURGERY</b>				
<b>Patent Number</b>	<b>Title</b>	<b>Assignee</b>	<b>Date Issued</b>	<b>Country</b>
<a href="#">6,949,087</a>	<a href="#">Apparatus with weeping tip and method of use</a>	<b>Tricardia, LLC</b>	<b>27-Sep-05</b>	United States