

**DECEMBER, 2007 Gene-Related Patent Applications Posted - Full application:**  
<http://appft1.uspto.gov/netahtml/PTO/srchnum.html>

<b>CHEMISTRY: ANALYTICAL AND IMMUNOLOGICAL TESTING</b>				
<b>Appl Number</b>	<b>Title</b>	<b>Assignee</b>	<b>Date Issued</b>	<b>Country</b>
20070292962	Methods and compositions for genetic markers for autism	Duke University	20-Dec-07	United States
20070281357	FLUIDIC METHODS FOR DEVICES FOR PARALLEL CHEMICAL REACTIONS	Invitrogen Corporation	6-Dec-07	United States
20070287189	Selection of sites for targeting by zinc finger proteins and methods of designing zinc finger proteins to bind to preselected sites	Sangamo BioSciences, Inc.	13-Dec-07	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>
20070298426	WARFARIN DOSAGE PREDICTION	Academia Sinica	27-Dec-07	Taiwan
20070298424	Nucleic acids and corresponding proteins entitled 273P4B7 useful in treatment and detection of cancer	AGENSYS, INC.	27-Dec-07	United States
20070292842	Detection of viral or viral vector integration sites in genomic DNA	AGILENT TECHNOLOGIES INC.	20-Dec-07	United States
20070292913	Novel Bacterial Expression System	AKZO NOBEL N.V.	20-Dec-07	Netherlands
20070298413	Topoisomerase Modulators Assays	AstraZeneca AB	27-Dec-07	Sweden
20070298420	Cholesterol transport gene	Attie; Alan D	27-Dec-07	United States
20070292862	Enhanced transgene expression by co-expression with a suppressor of post-transcriptional gene silencing (PTGS)	Baulcombe; David Charles	20-Dec-07	United Kingdom
20070298499	Methods and compositions for regulating gene expression in plant cells	Beachy; Roger N.	27-Dec-07	United States
20070292870	CYTOCHROME P450 GENETIC VARIATIONS	BIOVENTURES, INC.	20-Dec-07	United States
20070287146	METHOD FOR EXPRESSING A FUNCTIONAL MEMBRANE-BOUND RECEPTOR PROTEIN USING BUDDED BACULOVIRUS	CENTER FOR ADVANCED SCIENCE AND TECHNOLOGY INCUBATION, LTD.	13-Dec-07	Japan
20070287155	PROCESSES FOR DETECTING TOXIC SUBSTANCES	DAIKIN INDUSTRIES, LTD.	13-Dec-07	Japan
20070298417	Constructs for gene expression analysis	Daly; John	27-Dec-07	Australia
20070298443	Screening Method Using Antibody Heavy Chains	DANISCO US INC.,	27-Dec-07	United States
20070281342	Methods of expressing gram-negative glycosaminoglycan synthase genes in gram-positive hosts	DeAngelis; Paul L	6-Dec-07	United States
20070298418	Molecules Involved in Protein Folding	El-Gewely; Raafat;	27-Dec-07	Norway

20070298466	Method For The Construction Of Randomized Gene Sequence Libraries In Cells	<b>Esbatech AG</b>	<b>27-Dec-07</b>	Switzerland
20070292881	Methods of diagnosing and treating rheumatoid arthritis and osteoarthritis	<b>Fish; Eleanor</b>	<b>20-Dec-07</b>	Canada
20070292948	Chimeric Cancer Models	<b>GEN-PATH PHARMACEUTICALS, INC</b>	<b>20-Dec-07</b>	United States
20070292928	Ethanol production	<b>Green; Edward</b>	<b>20-Dec-07</b>	United Kingdom
20070292848	Hormone Receptor Genes and Migraine Susceptibility	<b>Griffiths; Lynette Robyn</b>	<b>20-Dec-07</b>	Australia
20070281313	Methods for quantitative cDNA analysis in single-cell	<b>Hitachi, Ltd.</b>	<b>6-Dec-07</b>	Japan
20070298425	Population scale HLA-typing and uses thereof	<b>Hogan; Michael E.</b>	<b>27-Dec-07</b>	United States
20070281297	Methods and Compositions for Assaying Mutations in Nucleic Acids and Their Uses in Diagnosis of Genetic Diseases and Cancers	<b>Institut Curie</b>	<b>6-Dec-07</b>	France
20070292917	COMPOSITION AND METHODS FOR EXPRESSING REPORTER MOLECULES IN MAMMALIAN CELLS	<b>Invitrogen Corporation</b>	<b>20-Dec-07</b>	United States
20070298421	Calpastatin markers for fertility and longevity	<b>Jiang; Zhihua</b>	<b>27-Dec-07</b>	United States
20070281331	METHOD OF TRACKING SWIMMING PATH OF BACTERIUM	<b>KOO; Sangmo</b>	<b>6-Dec-07</b>	Korea
20070287154	Taste Receptors of the T1r Family from Domestic Dog	<b>Li; Xia</b>	<b>13-Dec-07</b>	United States
20070281309	Microfluidic-based Gene Synthesis	<b>MASSACHUSETTS INSTITUTE OF TECHNOLOGY</b>	<b>6-Dec-07</b>	United States
20070298498	Adenoviral Amplicon and Producer Cells for the Production of Replication-Defective Adenoviral Vectors, Methods of Preparation and Use Thereof	<b>MERCK AND CO., INC</b>	<b>27-Dec-07</b>	United States
20070281306	Novel 15571, 2465, 14266, 2882, 52871, 8203 and 16852 molecules and uses therefor	<b>Millennium Pharmaceuticals, Inc.</b>	<b>6-Dec-07</b>	United States
20070287153	Methods for the identification and validation of functional intracellular targets with intramers or in vivo selection	<b>NascaCell, GmbH.</b>	<b>13-Dec-07</b>	Germany
20070298458	Method And Kit For Expressing Protein Under Regulation Of The Expression From Repeated Sequence Formed By Gene Amplification, And Transformant	<b>NATIONAL UNIVERSITY OF CORPORATION HIROSHIMA UNIVERSITY</b>	<b>27-Dec-07</b>	Japan
20070281295	Detection of human papillomavirus E6 mRNA	<b>Norchip A/S</b>	<b>6-Dec-07</b>	Norway
20070298419	K-Ras Oligonucleotide Microarray and Method for Detecting K-Ras Mutations Employing the Same	<b>Park; Jae-Gahb</b>	<b>27-Dec-07</b>	Korea

20070298500	Formaldehyde dehydrogenase genes from methylotrophic yeasts	Research Corporation Technologies, Inc.	27-Dec-07	United States
20070298449	Utilization of Cell Forcibly Expressing Toll-Like Receptor	Saito; Tadao	27-Dec-07	Japan
20070298481	Method for Producing a Useful Intermediate in Alkaloid Biosynthesis By Using Rnai Technology	Sato; Fumihiko	27-Dec-07	Japan
20070281312	NUCLEIC ACID-BINDING CHIPS FOR THE DETECTION OF PHOSPHATE DEFICIENCY CONDITIONS IN THE FRAMEWORK OF BIOPROCESS MONITORING	SCHWEDER; Thomas	6-Dec-07	United Kingdom
20070281356	Nucleic Acid Construct	Shinkai; Seiji	6-Dec-07	Japan
20070281301	System And Method For Classifying A Body Tissue Sample	Smith; Yoav	6-Dec-07	Israel
20070287175	Sirna That Inhibits Wt1 Gene Expression And Uses Thereof	Sugiyama; Haruo	13-Dec-07	Japan
20070292882	Method and apparatus for detecting cancer cell	SYSMEX CORPORATION	20-Dec-07	Japan
20070292853	Dna Array and Method for Detecting Single Nucleotide Polymorphism	TOYOBO CO., LTD.	20-Dec-07	Japan
20070281326	Screening systems utilizing RTP801	Wechsler; Roni	6-Dec-07	Israel
20070298492	Novel PTH responsive gene	Wyeth	27-Dec-07	United States
20070281334	Methods and materials for increasing expression of recombinant polypeptides	XOMA Technology Ltd.	6-Dec-07	United States
20070281299	Diagnostic Test For Parkinson's Disease	Youdim; Moussa B.H.;	6-Dec-07	Israel
20070298427	METHODS OF GENE EXPRESSION ANALYSIS	ZYMOGENETICS, INC	27-Dec-07	United States

**CHEMISTRY: NATURAL RESINS OR DERIVATIVES; PEPTIDES OR PROTEINS; LIGNINS**

Appl Number	Title	Assignee	Date Issued	Country
20070299246	IN VITRO PROTEIN EXPRESSION PROCESS COMPRISING Ckappa FUSION MOLECULES	Taussig; Michael John	27-Dec-07	United Kingdom

**DATA PROCESSING**

Appl Number	Title	Assignee	Date Issued	Country
20070299618	Microarray Method	Dotan; Natan	27-Dec-07	United States
20070294038	Method and system for comparative genomics	International Business Machines Corporation	20-Dec-07	United States

**DRUG**

Appl Number	Title	Assignee	Date Issued	Country
20070281899	COMPOSITIONS AND METHODS	Bumcrot; David	6-Dec-07	

20070299041	INDUCTION OF INNATE IMMUNITY BY VITAMIN D3 AND ITS ANALOGS	<b>CEDARS-SINAI MEDICAL CENTER</b>	<b>27-Dec-07</b>	United States
20070292350	Method For Testing A Compound For A Therapeutic Effect And A Diagnostic Method	<b>CHEMPATH OY</b>	<b>20-Dec-07</b>	Finland
20070282015	Novel Splice Variants of Human Dkk1	<b>CHIRON CORPORATION</b>	<b>6-Dec-07</b>	United States
20070280917	Susceptibility gene for myocardial infarction, stroke, and PAOD; methods of treatment	<b>deCODE Genetics, Inc.</b>	<b>6-Dec-07</b>	Iceland
20070293453	Combinatorial Methods For Inducing Cancer Cell Death	<b>Fisher; Paul B</b>	<b>20-Dec-07</b>	United States
20070292438	Novel Gene Disruptions, Compositions and Methods Relating Thereto	<b>GENENTECH, INC.</b>	<b>20-Dec-07</b>	United States
20070287677	Rad51 Expression Inhibitors, Pharmaceutical Agents Containing The Inhibitors As Active Ingredients, And Uses Thereof	<b>Genomldea Inc.</b>	<b>13-Dec-07</b>	Japan
20070280925	COMBINATION ENZYME REPLACEMENT, GENE THERAPY AND SMALL MOLECULE THERAPY FOR LYSOSOMAL STORAGE DISEASES	<b>GENZYME CORPORATION</b>	<b>6-Dec-07</b>	United States
20070298054	Highly Safe Smallpox Vaccine Virus and Vaccinia Virus Vector	<b>Hokkaido Technology Licensing Office Co., Ltd.</b>	<b>27-Dec-07</b>	Japan
20070287731	OXADIAZOLINE LIGANDS FOR MODULATING THE EXPRESSION OF EXOGENOUS GENES VIA AN ECDYSONE RECEPTOR COMPLEX	<b>Hormann; Robert Eugene</b>	<b>13-Dec-07</b>	United States
20070298014	Probiotic therapy of neonatal meningitis and method of using E. coli virulence determinants	<b>Huang; Sheng-He</b>	<b>27-Dec-07</b>	United States
20070280904	Lectin-derived progenitor cell preservation factors and methods of use	<b>Imclone, Inc.</b>	<b>6-Dec-07</b>	United States
20070299031	THERAPEUTIC AGENT FOR TUMOR OF NEURAL ORIGIN	<b>TECHNOLOGY AGENCY</b>	<b>27-Dec-07</b>	Japan
20070292406	PHARMACEUTICAL COMPOSITION FOR PREVENTING AND TREATING RESTENOSIS COMPRISING PEROXIREDOXIN 2 PROTEIN AS AN ACTIVE INGREDIENT AND COMPOSITION FOR SCREENING THERAPEUTICS OF RESTENOSIS COMPRISING PEROXIREDOXIN 2 GENE OR ITS PROTEIN PRODUCT, AND METHOD FOR SCREENING THERAPEUTICS OF RESTENOSIS USING SAID COMPOSITION	<b>KANG; Sang-Won</b>	<b>20-Dec-07</b>	Korea

20070280923	Recombinant Fusion-Enzyme with Repair Activity on DNA Lesions Produced by UV Radiation; Its Usage, Preparation and Purification Method; A Method to Stabilize Enzymes and Treatment methods	<b>Kerner; Nestor Alberto</b>	<b>6-Dec-07</b>	Argentina
20070280905	Prognosis and Systemic Therapy for Treating Malignancy	<b>Li; Shulin</b>	<b>6-Dec-07</b>	United States
20070298118	Exosome transfer of nucleic acids to cells	<b>Lotvall; Jan</b>	<b>27-Dec-07</b>	Sweden
20070298027	Novel Target for Antiderpressant Therapy	<b>Max-Planck-Gesellschaft zur Forderung der Wissensc</b>	<b>27-Dec-07</b>	Germany
20070298022	Identification of Phospholipase A2 as Target in Cancer Treatment, with Special Emphasis on Colorectal Cancer and Its Mechanism of Action	<b>NOVARTIS</b>	<b>27-Dec-07</b>	United States
20070298055	POLYPEPTIDE	<b>Oxford BioMedica (UK) Limited</b>	<b>27-Dec-07</b>	United Kingdom
20070281898	VECTOR	<b>Oxford Biomedica (UK) Limited</b>	<b>6-Dec-07</b>	United Kingdom
20070292412	Novel genes and markers in type 2 diabetes and obesity	<b>Oy Jurilab Ltd</b>	<b>20-Dec-07</b>	Finland
20070299025	Method for Detecting the Risk of Cardiovascular Diseases Such as Acute Myocardial Infarction and Coronary Heart Disease By Analysing Defesin	<b>Oy Jurilab Ltd</b>	<b>27-Dec-07</b>	Finland
20070281895	Molecular Marker	<b>Randox Laboratories Ltd.</b>	<b>6-Dec-07</b>	United Kingdom
20070280961	cDNA corresponding to the antigenome of nonsegmented negative strand RNA viruses and process for the production of such viruses	<b>Schweiz. Serum &amp; Impfinstitut Bern</b>	<b>6-Dec-07</b>	Switzerland
20070298046	Identification of gene sequences and proteins involved in vaccinia virus dominant T cell epitopes	<b>Terajima; Masanori</b>	<b>27-Dec-07</b>	United States
20070292394	TREATMENT OF NON-NEURONAL CANCER USING HSV-1 VARIANTS	<b>The Trustees of the University of Pennsylvania</b>	<b>20-Dec-07</b>	United States
20070281886	Retinal pigmented epithelium derived neurotrophic factor	<b>Tombran-Tink; Joyce</b>	<b>6-Dec-07</b>	United States
20070292408	Spinal Muscular Atrophy (SMA) treatment via targeting of SMN2 splice site inhibitory sequences	<b>UNIVERSITY OF MASSACHUSETTS</b>	<b>20-Dec-07</b>	United States
20070293451	Regulation ao ApoB by Hsp110 proteins and related compositions and methods	<b>University of Pittsburgh</b>	<b>20-Dec-07</b>	United States
20070286873	Recombinant Influenza H5 Hemagglutinin Protein And Nucleic Acid Coding Therefor	<b>Williams; John V.;</b>	<b>13-Dec-07</b>	United States

**FOOD OR EDIBLE MATERIAL**

<b>Appl Number</b>	<b>Title</b>	<b>Assignee</b>	<b>Date Issued</b>	<b>Country</b>
20070292581	Lipoxygenase	Novozymes A/S	20-Dec-07	Denmark

#### **MULTICELLULAR LIVING ORGANISMS AND UNMODIFIED PARTS**

<b>Appl Number</b>	<b>Title</b>	<b>Assignee</b>	<b>Date Issued</b>	<b>Country</b>
20070283459	Nucleic acid molecules and other molecules associated with plants	Byrum; Joseph R.	6-Dec-07	United States
20070289033	Method of expressing small peptides using cereal non-storage proteins as fusion carrier in endosperm and the use thereof	Healthgen Biotechnology inc.	13-Dec-07	China P. Rep.
20070283457	Sweetpotato Expansin cDNA and High-Yield Transgenic Plants Using The Same	Industry and Academy Cooperation Foundation	6-Dec-07	Korea
20070300329	Temporal Regulation of Gene Expression by MicroRNAs	Monsanto Company	27-Dec-07	United States
20070300313	NOVEL SUBSTITUTION MUTANT RECEPTORS AND THEIR USE IN A NUCLEAR RECEPTOR-BASED INDUCIBLE GENE EXPRESSION SYSTEM	Palli; Subba Reddy	27-Dec-07	United States
20070294778	Zebrafish model for assessing gastrointestinal motility	Rich; Adam	20-Dec-07	United States
20070294779	MODEL ANIMAL OF ALZHEIMER'S DISEASE AND USE THEREOF	RIKEN	20-Dec-07	Japan
20070294792	Fertility Restoration for Ogura Cytoplasmic Male Sterile Brassica and Method	SYNGENTA BIOTECHNOLOGY, INC.	20-Dec-07	Germany
20070283452	ANIMAL MODEL FOR IDENTIFYING AGENTS THAT INHIBIT OR ENHANCE CTLA4 SIGNALING	The Ohio State University Research Foundation	6-Dec-07	United States

#### **ORGANIC COMPOUNDS**

<b>Appl Number</b>	<b>Title</b>	<b>Assignee</b>	<b>Date Issued</b>	<b>Country</b>
20070287833	siRNA targeting minichromosome maintenance deficient 6 (MCM6)	DHARMACON, INC.	13-Dec-07	United States
20070299253	siRNA targeting vacuolar ATPase	DHARMACON, INC.	27-Dec-07	United States
20070293664	siRNA targeting minichromosome maintenance deficient 5 (MCM5)	DHARMACON, INC.	20-Dec-07	United States
20070287834	Method for mutation detection in HIV-1 using pol sequencing	Larder; Brendan	13-Dec-07	United Kingdom

#### **PLANTING**

<b>Appl Number</b>	<b>Title</b>	<b>Assignee</b>	<b>Date Issued</b>	<b>Country</b>
20070295252	Chimeric Regulatory Elements for Gene Expression in Leaf Mesophyll and Bundle Sheath Cells	MONSANTO COMPANY	27-Dec-07	United States

#### **PROSTHESIS**

<b>Appl Number</b>	<b>Title</b>	<b>Assignee</b>	<b>Date Issued</b>	<b>Country</b>
20070299508	VASCULARIZED TISSUE GRAFT	Victorian Tissue Engineering Centre Pty Ltd	27-Dec-07	Australia

#### **SPECIAL RECEPTACLE OR PACKAGE**

<b>Appl Number</b>	<b>Title</b>	<b>Assignee</b>	<b>Date Issued</b>	<b>Country</b>
20070289889	Biomarkers For The Prediction Of Drug-In Duces Diarrhea	NOVARTIS AG	20-Dec-07	Switzerland

#### **SURGERY**

<b>Appl Number</b>	<b>Title</b>	<b>Assignee</b>	<b>Date Issued</b>	<b>Country</b>
20070299472	System and Method of Up-Regulating Bone Morphogenetic Proteins (Bmp) Gene Expression in Bone Cells Via the Application of Fields Generated by Specific and Selective Electric and Electromagnetic Signals	The Trustees of the University of Pennsylvania	27-Dec-07	United States

#### **SYNTHETIC RESINS OR NATURAL RUBBERS**

<b>Appl Number</b>	<b>Title</b>	<b>Assignee</b>	<b>Date Issued</b>	<b>Country</b>
20070299211	Ambient temperature rapid self-polymerization compositions of high cross-linked or linear type beta-amino-ester alternative co-polymers and their applications	Tamkang University	27-Dec-07	Taiwan