

DECEMBER, 2006 Gene-related Patents Issued

| CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY | | | | |
|---|---|--|-------------|----------------|
| Patent Number | Title | Assignee | Date Issued | Country |
| 7,144,734 | Enhanced homologous recombination mediated by lambda recombination proteins | The United States of America as represented by the Department of Health and Human Services | 5-Dec-06 | United States |
| 7,148,047 | L-cysteine producing bacterium and method for producing L-cysteine | Ajinomoto Co., Inc. | 12-Dec-06 | Japan |
| 7,148,053 | Heterologous G protein coupled receptors expressed in yeast, their fusion with G proteins and use thereof in bioassay | BASF Aktiengesellschaft | 12-Dec-06 | Germany |
| 7,150,976 | Regulation of human serine-threonine protein kinase | Bayer HealthCare AG | 19-Dec-06 | Germany |
| 7,148,050 | Regulation of human protein kinase-like protein | Bayer Healthcare AG | 12-Dec-06 | Germany |
| 7,148,016 | Immunoassays to detect diseases or disease susceptibility traits | CA*TX Inc. | 12-Dec-06 | United States |
| 7,148,008 | Methods for predicting drug sensitivity in patients afflicted with an inflammatory disease | deCode genetics ehf. | 12-Dec-06 | Iceland |
| 7,144,724 | Process for the production of L-amino acids by fermentation using coryneform bacteria | Degussa AG | 5-Dec-06 | Germany |
| 7,148,051 | Production of 3-hydroxycarboxylic acid using nitrilase | E. I. du Pont de Nemours and Company | 12-Dec-06 | United States |
| 7,144,702 | Method for detecting target plant genus | House Foods Corporation | 5-Dec-06 | Japan |
| 7,148,011 | Method of testing for allergic diseases | Japan as represented by General Director of Agency of National Center for Child Health and Development | 12-Dec-06 | United States |
| 7,144,730 | Lipoxygenase proteins and polynucleotides encoding the same | Lexicon Genetics Incorporated | 5-Dec-06 | United States |
| 7,144,711 | AGS proteins and nucleic acid molecules and uses therefor | Osi Pharmaceuticals, Inc. | 5-Dec-06 | United States |
| 7,148,035 | Polypeptide | Oxford Biomedica (UK) Limited | 12-Dec-06 | United Kingdom |
| 7,144,733 | Bio-synthetic photostimulators and methods of use | Institute for Cancer Research | 5-Dec-06 | United States |
| 7,144,719 | Method for producing protease | Takara Bio, Inc. | 5-Dec-06 | Japan |
| 7,153,677 | Hyaluronan synthase gene and uses thereof | The Board of Regents of the University of Oklahoma | 26-Dec-06 | United States |
| 7,153,652 | Mismatch repair detection | The Board of Trustees of the Leland Stanford Junior University | 26-Dec-06 | United States |

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|---------------------------|--|---|-----------|---------------|
| 7,153,685 | Tamoxifen and 4-hydroxytamoxifen-activated system for regulated production of proteins in eukaryotic cells | The Board of Trustees of the University of Illinois | 26-Dec-06 | United States |
| 7,148,009 | Cancer drug screen based on cell cycle uncoupling | The Johns Hopkins University | 12-Dec-06 | United States |
| 7,153,657 | Diagnosis and treatment of tumor-suppressor associated disorders | The Johns Hopkins University School of Medicine | 26-Dec-06 | United States |
| 7,153,653 | Differentially methylated sequences in pancreatic cancer | The Johns Hopkins University School of Medicine | 26-Dec-06 | United States |
| RE39,436 | Interventions to mimic the effects of calorie restriction | The Regents of the University of California | 19-Dec-06 | United States |
| 7,150,971 | Membrane-resident steroid receptors and methods of use thereof | The Regents of the University of California | 19-Dec-06 | United States |
| 7,148,004 | Oligonucleotides of the OB-R isoforms and methods of diagnosing body weight | The Rockefeller University | 12-Dec-06 | United States |
| 7,153,667 | Discrete acyltransferases associated with type I polyketide synthases and methods of use | Wisconsin Alumni Research Foundation | 26-Dec-06 | United States |

CHEMISTRY: NATURAL RESINS OR DERIVATIVES

| Patent Number | Title | Assignee | Date Issued | Country |
|---------------------------|---|---|-------------|---------------|
| 7,153,940 | C-type lectin transmembrane antigen expressed in human prostate cancer and uses thereof | Agensys, Inc. | 26-Dec-06 | United States |
| 7,153,932 | Immunotoxins comprising ribosome-inactivating proteins | Research Development Foundation | 26-Dec-06 | United States |
| 7,151,165 | Antibodies immunospecific for a novel human G-protein coupled receptor family | Solvay Pharmaceutical B.V. | 19-Dec-06 | Netherlands |
| 7,153,936 | Semaphorin gene family | The Regents of the University of California | 26-Dec-06 | United States |
| 7,148,328 | Compositions and methods for regulating autolytic processes in bacteria | Trustees of Dartmouth College | 12-Dec-06 | United States |

DATA PROCESSING

| Patent Number | Title | Assignee | Date Issued | Country |
|---------------------------|---|---|-------------|---------------|
| 7,149,631 | Alternative splicing and nonsense-mediated decay: computational methods and gene regulation | Regents of the University of California | 12-Dec-06 | United States |

DRUG

| Patent Number | Title | Assignee | Date Issued | Country |
|---------------------------|--|----------------------------------|-------------|---------------|
| 7,144,578 | Poxvirus-rabies recombinants and compositions and methods employing the recombinants | Connaught Technology Corporation | 5-Dec-06 | United States |
| 7,144,579 | Paramyxoviruses comprising modified transcription start sequence | DNAVEC Research, Inc. | 5-Dec-06 | United States |

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|---------------------------|---|--|------------------|---------------|
| 7,144,869 | Nucleic acid injected into hepatic vein lumen and delivered to primate liver | Mirus Bio Corporation | 5-Dec-06 | United States |
| 7,153,506 | Use of anti-ferritin monoclonal antibodies in the treatment of some cancers | Monoclonal Antibodies Therapeutics "M.A.T." | 26-Dec-06 | France |
| 7,153,512 | Bovine immunodeficiency virus (BIV) based vectors | Novartis AG | 26-Dec-06 | Switzerland |
| 7,153,500 | Production of megakaryocytes by the use of human mesenchymal stem cells | Osiris Therapeutics | 26-Dec-06 | United States |
| 7,144,870 | Hyaluronic acid mediated adenoviral transduction | Research Development Foundation | 5-Dec-06 | United States |
| 7,148,202 | Receptor-mediated gene delivery using bacteriophage vectors | Selective Genetics, Inc. | 12-Dec-06 | United States |
| 7,148,201 | Use of human plasma hyaluronidase in cancer treatment | The Regents of the University of California | 12-Dec-06 | United States |
| 7,153,501 | Hematopoietic stem cells and methods of treatment of neovascular eye diseases therewith | The Scripps Research Institute | 26-Dec-06 | United States |
| 7,153,511 | Avian herpesvirus-based recombinant Infectious Bursal Disease vaccine | Zeon Corporation | 26-Dec-06 | Japan |

| MULTICELLULAR LIVING ORGANISMS AND UNMODIFIED PARTS | | | | |
|--|---|---|--------------------|----------------|
| Patent Number | Title | Assignee | Date Issued | Country |
| 7,148,407 | Fungal beta-glucuronidase genes and gene products | Cambia | 12-Dec-06 | Australia |
| 7,145,055 | Method of producing a mouse suitable for the engraftment, differentiation and proliferation of heterologous cells, mouse produced by this method and use of the mouse | Central Institute for Experimental Animals | 5-Dec-06 | Japan |
| 7,148,409 | Potato cultivar FL 2049 | Frito-Lay North America, Inc. | 12-Dec-06 | United States |
| 7,151,204 | Maize chloroplast aldolase promoter compositions and methods for use thereof | Monsanto Technology LLC | 19-Dec-06 | United States |
| 7,151,200 | Histamine receptor H3 modified transgenic mice | Ortho-McNeil Pharmaceutical, Inc. | 19-Dec-06 | United States |
| 7,148,401 | Brachytic2 (BR2) promoter from maize and methods of use | Pioneer Hi-Bred International, Inc. | 12-Dec-06 | United States |
| 7,154,024 | Male tissue-preferred regulatory sequences of Ms45 gene and method of using same | Pioneer Hi-Bred, Inc. | 26-Dec-06 | United States |
| 7,148,402 | Promotion of somatic embryogenesis in plants by PGA37 gene expression | Rockefeller University | 12-Dec-06 | United States |
| 7,151,206 | Arabidopsis argos, a novel gene involved in organ development | Temasek Life Sciences Laboratory | 19-Dec-06 | Singapore |
| 7,154,026 | Manipulation of cellulose and/or .beta.-1,4.-glucan | The Australian National University | 26-Dec-06 | Australia |

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| 7,151,201 | Methods and compositions to modulate expression in plants | The Scripps Research Institute | 19-Dec-06 | United States |
| 7,148,397 | Solanum bulbocastanum late blight resistance gene and use thereof | The United States of America as represented by the Secretary of Agriculture | 12-Dec-06 | United States |

ORGANIC COMPOUNDS

| Patent Number | Title | Assignee | Date Issued | Country |
|---------------------------|---|--|------------------|---------------|
| 7,148,337 | C-type LECTIN transmembrane antigen expressed in human prostate cancer and uses thereof | Agensys, Inc. | 12-Dec-06 | United States |
| 7,153,997 | Benzamide derivatives as thyroid receptor ligands | Bristol-Myers Squibb Company | 26-Dec-06 | United States |
| 7,153,953 | Leaf specific gene promoter of coffee | Nestec S.A. | 26-Dec-06 | Switzerland |
| 7,151,168 | Ecdysone receptors and methods for their use | Pioneer Hi-Bred International, Inc. | 19-Dec-06 | United States |
| 7,151,170 | Use of the BNM3 transcriptional activator to control plant embryogenesis and regeneration processes | Plant Research International B.V. | 19-Dec-06 | Netherlands |
| 7,148,339 | Temperature sensitive mutant of bacteriophage T4 endonuclease VII | Stratagene California | 12-Dec-06 | United States |
| 7,148,342 | Compositions and methods for sirna inhibition of angiogenesis | The Trustees of the University of Pennsylvania | 12-Dec-06 | United States |

SYNTHETIC RESINS OR NATURAL RUBBERS

| Patent Number | Title | Assignee | Date Issued | Country |
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| 7,153,905 | Hyperbranched dendron and methods of synthesis and use thereof | The General Hospital Corporation | 26-Dec-06 | United States |

