

DECEMBER, 2003 Patents Issued

CHEMISTRY: ANALYTICAL AND IMMUNOLOGICAL TESTING				
Patent No.	Title	Assignee	Date Issued	Country
6,664,112	Methods for improving the sequence fidelity of synthetic double-stranded oligonucleotides	Blue Heron Biotechnology, Inc.	16-Dec-03	United States

CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY				
Patent No.	Title	Assignee	Date Issued	Country
6,670,177	Methods for enhanced virus-mediated DNA transfer using molecules with virus-and cell-binding domains	Advanced Research and Technology Institute, Inc.	30-Dec-03	United States
6,660,524	Control of gene expression in eukaryotes	Advanced Technologies (Cambridge) Limited	09-Dec-03	United States
6,670,138	Method of diagnosing ischemic stroke via UCP-2 detection	AGY Therapeutics, Inc.	30-Dec-03	United States
6,670,134	Human EP3 prostaglandin receptor	Allergan, Inc.	30-Dec-03	United States
6,656,700	Isoforms of human pregnancy-associated protein-E	Amersham PL	02-Dec-03	United Kingdom
6,664,098	Differentiation inhibitory agent	Asahi Kasei Kabushiki Kaisha	16-Dec-03	Japan
6,670,185	Compositions and methods for non-targeted activation of endogenous genes	Athersys, Inc.	30-Dec-03	United States
6,664,109	Transformation system with Ti or Ri plasmid	Calgene LLC	16-Dec-03	United States
6,660,515	Method of improving the efficacy of lactic acid bacterial starter cultures and improved starter culture compositions	CHR. Hansen A/S	09-Dec-03	Denmark
6,660,476	Polymorphisms in the PNMT gene	City of Hope	09-Dec-03	United States
6,670,188	Packaging systems for human recombinant adenovirus to be used in gene therapy	Crucell Holland B.V.	30-Dec-03	Netherlands
6,670,156	Polynucleotide encoding a diaminopimelate epimerase from <i>Corynebacterium glutamicum</i>	Degussa AG	30-Dec-03	Germany
6,667,166	Processes for preparing D-pantothenic acid using coryneform bacteria	Degussa AG	23-Dec-03	Germany
6,660,507	Genes involved in isoprenoid compound production	E. I. du Pont de Nemours and Co	09-Dec-03	United States

6,670,166	Arthropod protein disulfide isomerases	E. I. du Pont de Nemours and Company	30-Dec-03	United States
6,660,474	G protein-related kinase mutants in essential hypertension	Felder; Robin A.	09-Dec-03	United States
6,660,521	Use of trans-activation and CIS-activation to increase the persistence of a transgene in an at least E4-deficient adenovirus	GenVec, Inc.	09-Dec-03	United States
6,667,174	Expression vectors containing hybrid ubiquitin promoters	Genzyme Corporation	23-Dec-03	United States
6,670,160	.alpha.1,2-fucosyltransferase	Governors of the University of Alberta	30-Dec-03	Canada
6,656,735	Method for identification of target genes of transcription factors	GSF Forschungszentrum Fuer Umwelt Und Gesundheit GmbH	02-Dec-03	Germany
6,656,681	Polycystic kidney disease 12 gene and uses thereof	Harris; Peter Charles	02-Dec-03	United Kingdom
6,656,727	Targeted integration into chromosomes using retroviral vectors	Institut Fur Virologie	02-Dec-03	Austria
6,667,155	Carrier for gene detection and its use for detecting validity of interferon therapy	Kabushiki Kaisha Toshiba	23-Dec-03	Japan
6,670,168	Recombinant Streptomyces hygroscopicus host cells that produce 17-desmethylrapamycin	Kosan Bioscience, Inc.	30-Dec-03	United States
6,660,512	Human lysozyme gene, it's encoded polypeptide and the method of preparing them	Long; Yu	09-Dec-03	China
6,664,091	53010, a human carboxylesterase family member and uses thereof	Millennium Pharmaceuticals, Inc.	16-Dec-03	United States
6,656,698	12832, a novel human kinase-like molecule and uses thereof	Millennium Pharmaceuticals, Inc.	02-Dec-03	United States
6,664,089	38692 and 21117, novel dual specificity phosphatase molecules and uses therefor	Millennium Pharmaceuticals, Inc.	16-Dec-03	United States
6,670,149	TWIK-5 potassium channel nucleic acids and uses therefor	Millennium Pharmaceuticals, inc.	30-Dec-03	United States
6,660,490	CARK protein and nucleic acid molecules and uses therefor	Millennium Pharmaceuticals, Inc.	09-Dec-03	United States
6,670,176	Adeno-associated virus capable of expressing factor IX protein and cells comprising the same	National Institutes of Health	30-Dec-03	United States
6,670,123	Method for detecting hematopoietic stem cells	New York Blood Center, Inc.	30-Dec-03	United States

6,670,189	Fumonisin detoxification compositions and methods	Pioneer Hi-Bred International, Inc.	30-Dec-03	United States
6,660,499	DCR5, a BMP-binding protein, and applications thereof	Regeneron Pharmaceuticals, Inc.	09-Dec-03	United States
6,670,187	Mutant Plk protein and gene encoding the same	Riken	30-Dec-03	Japan
6,664,082	Genetically engineered L-sorbose reductase-deficient mutants	Roche Vitamins Inc.	16-Dec-03	United States
6,656,721	Polynucleotide portions of the biotin operon from B. subtilis for use in enhanced fermentation	Roche Vitamins, Inc.	02-Dec-03	United States
6,670,124	High throughput methods of HLA typing	StemCyte, Inc.	30-Dec-03	United States
6,660,478	CYP2A6 gene judgment methods	Sumitomo Pharmaceuticals Company, Limited	09-Dec-03	Japan
6,660,470	Methods of identifying bacteria of specific bacterial genus, species or serotype	The Central Science Laboratory (CSL) representing the Secretary of State of	09-Dec-03	United Kingdom
6,664,056	Non-invasive prenatal monitoring	The Chinese University of Hong Kong	16-Dec-03	Hong Kong
6,667,172	Cell and tissue culture modeling device and apparatus and method of using same	The Cleveland Clinic Foundation	23-Dec-03	United States
6,656,705	Sciellin and uses thereof	The General Hospital Corporation	02-Dec-03	United States
6,664,094	Neisserial vaccine free of immunologically functional PIII or class 4 proteins	The Rockefeller University	16-Dec-03	United States
6,656,706	Molecular clones with mutated HIV gag/pol, SIV gag and SIV env genes	The United States of America as represented by the Department of Health	02-Dec-03	United States
6,664,053	Identification of a region of the major surface glycoprotein (MSG) gene of human Pneumocystis carinii	The United States of America as represented by the Department of Health and	16-Dec-03	United States
6,667,153	Composition and method for detecting mutagens	Thomas; Susan Margaret	23-Dec-03	Australia
6,656,734	Compositions for the delivery of polynucleotides to cells	Transgene S.A.	02-Dec-03	France
6,670,178	In Vivo production and delivery of insulinotropin for gene therapy	Transkaryotic Therapies, Inc.	30-Dec-03	United States
6,660,477	Method for the determination of data for the preparation of the diagnosis of phakomatosis	Von Recklinghausen Gesellschaft E.V.	09-Dec-03	Germany

6,664,066	Modified Morbillivirus V proteins	Wyeth Holdings Corporation	16-Dec-03	United States
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CHEMISTRY: NATURAL RESINS OR DERIVATIVES; PEPTIDES OR PROTEINS

Patent No.	Title	Assignee	Date Posted	Country
6,670,450.00	Protein and gene involved in myocyte differentiation	Chugai Seiyaku Kabushiki Kaisha	30-Dec-03	Japan
6,670,460.00	Method of detection of alterations in MSH5	Dana-Farber Cancer Institute, Inc.	30-Dec-03	United States
6,670,465.00	Retinal calcium channel (alpha)1F-subunit gene	Bech-Hansen	30-Dec-03	Canada
6,657,045.00	GP40 and uses thereof	New England Medical Center Hospitals, Inc.	02-Dec-03	United States
6,660,847.00	Rheumatoid arthritis gene	Shiozawa; Shunichi	09-Dec-03	Japan
6,660,850.00	Nucleic acid encoding a wheat brittle-1 homolog	E.I. du Pont de Nemours and Comp	09-Dec-03	United States
6,660,851.00	DNA fragment elevating gene expression dose	Japan Tobacco Inc.	09-Dec-03	Japan
6,664,373.00	TWIK-5 potassium channel polypeptides and uses therefor	Millennium Pharmaceuticals, Inc.	16-Dec-03	United States
6,664,387.00	Expression cassette and plasmid for strong constitutive gene expression and the use thereof	Korea Kumho Petrochemical Co., Ltd.	16-Dec-03	Korea

DRUG

Patent No.	Title	Assignee	Date Posted	Country
6,663,872	Hemorrhagic enteritis virus DNA sequences, proteins encoded thereby and various uses thereof	ABIC Ltd.	16-Dec-03	Israel
6,669,942	Defective adenoviruses including a therapeutic gene and an immunoprotective gene	Aventis Pharma S.A.	30-Dec-03	France
6,660,255	Inhibition of gene transcription by polyamide DNA-binding ligands	California Institute of Technology	09-Dec-03	United States
6,660,261	Bordetella strain expressing the FHA hybrid, liposomes and vaccines	Institut Pasteur de Lille	09-Dec-03	France
6,669,940	Recombinant fusobacterium necrophorum leukotoxin vaccine and preparation thereof	Kansas University Research Foundation	30-Dec-03	United States
6,656,917	Compositions and methods for targeted enzymatic release of cell regulatory compounds	Marker Gene Technologies, Inc.	02-Dec-03	United States
6,667,294	Microencapsulated DNA for vaccination and gene therapy	Microbiological Research Authority	23-Dec-03	United Kingdom

6,669,943	Attenuated negative strand viruses with altered interferon antagonist activity for use as vaccines and pharmaceuticals	Mount Sinai School of Medicine of New York University	30-Dec-03	United States
6,656,908	Pesticidal toxins and nucleotide sequences which encode these toxins	Mycogen Corporation	02-Dec-03	United States
6,660,259	Herpes simplex virus for treating unwanted hyperproliferative cell growth	Onyx Pharmaceuticals, Inc.	09-Dec-03	United States
6,656,916	Glucocorticoid enhancement of gene expression	Research Development Foundation	02-Dec-03	United States
6,660,269	Homologous 28-kilodalton immunodominant protein genes of Ehrlichia canis and uses thereof	Research Development Foundation	09-Dec-03	United States
6,663,857	In vivo gene transfer using implanted retroviral producer cells	The Regents of the University of California	16-Dec-03	United States
6,663,858	In Vivo gene transfer using implanted retroviral producer cells	The Regents of the University of California	16-Dec-03	United States

FOOD OR EDIBLE MATERIAL				
Patent No.	Title	Assignee	Date Posted	Country
6,663,906	Expression of fructose 1,6 biphosphate aldolase in transgenic plants	Monsanto Technology LLC	16-Dec-03	United States

MULTICELLULAR LIVING ORGANISMS				
Patent No.	Title	Assignee	Date Posted	Country
6,660,909	Cyclopropane-fatty-acyl-phospholipid synthase	E. I. du Pont de Nemours and Comp	09-Dec-03	United States
6,664,445	Plant amino acid biosynthetic enzymes	E. I. du Pont de Nemours and Company	16-Dec-03	United States
6,664,443	Pathogenic Tau mutations in transgenic mice	Mayo Foundation for Medical Education and Research	16-Dec-03	United States
6,657,107	Polynucleotides encoding polypeptides having 8-oxoguanine DNA glycosylase activity and uses thereof	Pioneer Hi-Bred International, Inc.	02-Dec-03	United States
6,670,526	Arabidopsis ESD4 gene and method to control flowering time	Plant Bioscience Limited	30-Dec-03	United Kingdom
6,657,105	Prion gene modified mouse which exhibits heart anomalies	Riken	02-Dec-03	Japan
6,660,910	Selection marker	Syngenta Mogen B.V.	09-Dec-03	Netherlands

6,670,529	Soybean cultivar SJ743473	Syngenta Participations AG	30-Dec-03	Switzerland
6,660,913	Soybean cultivar S32-M2	Syngenta Participations AG	09-Dec-03	Switzerland
6,664,449	Soybean cultivar SJ743490	Syngenta Participations AG	16-Dec-03	Switzerland
6,664,450	Soybean cultivar J604217	Syngenta Participations AG	16-Dec-03	Switzerland
6,664,448	Soybean cultivar S10-T1	Syngenta Participations AG	16-Dec-03	Switzerland
6,657,104	Transgenic mouse model for cardiac hypertrophy and methods of use thereof	Texas Systems, University of the Board of the Regents	02-Dec-03	United States
6,670,527	Gibberellin 2-oxidase	The University of Bristol	30-Dec-03	United Kingdom
6,664,444	Transgenic plants presenting a modified inulin producing profile	Tiense Suikerraffinaderij N.V.	16-Dec-03	Belgium

PLANT PROTECTING AND REGULATING COMPOSITIONS				
Patent No.	Title	Assignee	Date Posted	Country
6,660,690	Seed treatment with combinations of insecticides	Monsanto Technology, L.L.C.	09-Dec-03	United States

