

Patent Selections:

The patents annotated in this section have been selected from various patent collections. They are recent patents categorized by therapeutic area/agent/target and therapeutic agents related to DNA & gene sequences and are relevant to the articles published in this journal issue.

BIOSENSORS

1. Lindsay, S., Yan, H., Chaput, J., Liu, Y., Zhang, P. Self-assembled nucleic acid nanoarrays and uses therefor *WO06124089 (2006)*.
2. Freeman, A., Shacham-Diamand, Y., Vernick, S., Moscovich-Dagan, H., Biologically active metal-coated proteins *WO06123343 (2006)*.
3. Karim, K., Piletsky, S.A., Hendry, S.P., Laitenberger, P.G. Synthetic receptor *WO06120382 (2006)*.
4. Bjoraker D.G., Melker R.J., Dennis D.M., Martin, C.R., Stewart J.D. Detection and measurement of hematological parameters characterizing cellular blood components *WO06121590 (2006)*.
5. Mirkin, C.A., Cao, Y.-W., Jin, R. Non-alloying core shell nanoparticles *US20067135055 (2006)*.
6. Parikh, A.N., Yee, C.K., Amweg, M.L. Direct micro-patterning of lipid bilayers using UV light and selected uses thereof *US20067132122 (2006)*.
7. Hubler, U.C., Battiston, F.M., Hermann, B.A. Apparatus and method for detecting microorganisms *US20067129081 (2006)*.
8. Demers, J.R., Woodard, N., Chen, C.-C. Sub-micron adjustable mount for supporting a component and method *US7126078 (2006)*.
9. Nyden, M., Fant, C. Method and use of nanoparticles to bind biocides in paints *WO06096128 (2006)*.
10. Su, X., Chan, S., Koo, T.-W., Yamakawa, M., Berlin, A.A. Detecting molecular binding by monitoring feedback controlled cantilever deflections *US20067105301 (2006)*.

POROUS SILICON

1. Faris, S.M. Vertical integrated circuits *US20067145219 (2006)*.
2. Deymier, P., Jongewaard, I., Hoying, J., Guzman, R., Raghavan, S. Directional self-assembly of biological electrical interconnects *WO06119472 (2006)*.
3. Henley, D., Anand, A., Imholt, T.J., Robert, J. Toxic agent sensor and detector method apparatus and system *WO06127884 (2006)*.
4. Veinot, J.G.C., Hessel, C.M. Method for preparing nanocrystalline silicon in SiO₂ and freestanding silicon nanoparticles *WO06125313 (2006)*.
5. Kley, V.B. Active cantilever for nanomachining and metrology *US20067137292 (2006)*.

6. Bertin, C.L., Rueckes, T., Segal, B.M. Nanotube-based switching elements and logic circuits *US20067138832 (2006)*.
7. Lee, J.-J., Maa, J.-S., Tweet, D.J., Hsu, S.T. Integration of biaxial tensile strained NMOS and uniaxial compressive strained PMOS on the same wafer *US20067138309 (2006)*.
8. Heller, M., Sullivan, B., Dehlinger, D. Nanofabrication processes and devices for the controlled assembly of functionalized nanostructures *WO06122317 (2006)*.
9. Harnack, O., Yasuda, A. A method of fabricating a polymeric membrane having at least one pore *WO6119915 (2006)*.
10. Harnack, O. I., Yasuda, A. A method of fabricating a polymeric membrane having at least one pore *EP1721657 (2006)*.

ATOMIC FORCE MICROSCOPY

1. Fritsch, I., Henry, C.S., Bowen, B.P., Vandaveer, W.R., Bratcher, N., Multilayer microcavity devices and methods *US20067144486 (2006)*.
2. Lewis, N.S., Severin, E.J., Freund, M., Matzger, A.J. Use of an array of polymeric sensors of varying thickness for detecting analytes in fluids *US20067144553 (2006)*.
3. Reeves, J.L., Qiao, Y., Tape manufacturing system *US20067146034 (2006)*.
4. Rantala, J.T., Reid, J.S., Tormanen, T.T.T., Viswanathan, N.S., Maaninen, A.L.T. Poly(organo-siloxane) materials and methods for hybrid organic-inorganic dielectrics for integrated circuit applications *US20067144827 (2006)*.
5. Engbrecht, E.R., Ekerdt, J.G., Sun, Y.-M., Junker, K.H. Methods of forming boron carbo-nitride layers for integrated circuit devices *US20067144803 (2006)*.
6. Lockwood, S.F., O'Malley, S., Watumull, D.G., Hix, L.M., Jackson, H., Nadolski, G. Structural carotenoid analogs for the inhibition and amelioration of disease *US20067145025 (2006)*.
7. Chen, Z., Smith, B.R., Ma, B.-M., Herchenroeder, J.W. Highly quenchable Fe-based rare earth materials for ferrite replacement *US20067144463 (2006)*.
8. Marathe, A.P., Erb, D. Predicting EM reliability by decoupling extrinsic and intrinsic sigma *US20067146588 (2006)*.
9. van der Weide, D.W., Paulson, C.A., Grist, T.M., Banerjee, M. Mechanical force detection of magnetic

- fields using heterodyne demodulation **US20067146282 (2006)**.
10. Swain, G.M., Show, Y., Sonthalia, P., Witek, M. Boron-doped nanocrystalline diamond **US20067144753 (2006)**.

NANOLITHOGRAPHY

- Inao, Y., Kuroda, R., Mizutani, N. Near-field exposure method **US20067144682 (2006)**.
- Sreenivasan, S.V., Schumaker, P.D. Imprint lithography template having opaque alignment marks **US20067136150 (2006)**.
- Hutchison, J.E., Woehrle, G.H., Warner, M.G., Brown, L.O. Nanoparticles and method to control nanoparticle spacing **WO2006127675 (2006)**.
- Liu, G.-Y., Hu, J., Tan, L., Liu, M. Successive Shrinking Of Elastomers - A simple miniaturization protocol to produce micro-and nano-structures **WO06128189 (2006)**.
- Gratson G., Lewis, J.A. Directed assembly of three-dimensional structures with micron-scale features **US20067141617 (2006)**.
- Watts, M.P.C., Voisin, R.D. Sreenivasan, S.V. Compliant hard template for UV imprinting **US20067140861 (2006)**.
- Erchak, A.A., Lidorikis, E., Luo, C. Light emitting devices **US20067138666 (2006)**.
- Rodmacq, B., Landis, S., Dieny, B. Data storage medium with laterally magnetized pad and method for making same **US20067138193 (2006)**.
- Song, A. Electronic devices **WO06120414 (2006)**.
- Reading, M. Nano-construction processes and analytical processes **WO06120424 (2006)**.

BIOARRAY

- Seul, M., Chau, C.W. System and method for programmable illumination pattern generation **US7144119 (2006)**.
- Jiang, Y., Backus, J.W., Mazumder, A., Chowdary, D., Yang, F., Wang, Y., Jatkoe, T. Thyroid fine needle aspiration molecular assay **WO06127537 (2006)**.
- Halloran, P.F. Gene expression controlling agent **EP1719506 (2006)**.
- Teh, B.T., Tan, M. Microarray gene expression profiling in subtypes of clear cell renal cell carcinoma **WO06124022 (2006)**.
- Utku, N. Methods of detecting early immune activation **WO06122791 (2006)**.
- Golan, I., Melnik, L., Naor, D., Nedvetzki, S., Golan, I. Variant CD44 polypeptide polynucleotides encoding same antibodies directed there against and method of using same for diagnosing and treating inflammatory diseases **EP1724286 (2006)**.

- Sotiriou, C., Delorenzi, M., Piccart, M. Gene-based algorithmic cancer prognosis **WO06119593 (2006)**.
- Delenstarr, G.C., Webb, P.G., Troup, C.D., Ghosh, J., Le Cocq, C.A. Customized and dynamic association of probe type with feature extraction algorithms **WO06118986 (2006)**.
- Lintner, K., Mas-Chamberlin C. Topical use of teprenone **WO06120646 (2006)**.

NANOTUBES

- Rao, A.M., Gothard, N.W., Gaillard, J.B. Synthesis of branched carbon nanotubes **US20067144563 (2006)**.
- Guillorn, M.A., McKnight, T.E., Merkulov, V.I., Melechko, A.V., Simpson M.L. Individually electrically addressable carbon nanofibers on insulating substrates **US20067144287 (2006)**.
- Hagelstein, P.L. Direct generation of electrical and electromagnetic energy from materials containing deuterium **WO06128182 (2006)**.
- Chen, K.-R., Chan, T.-F., Fang, J.-S., Kuo, C.-C., Cheng, K.-W. Tetraode field-emission display and method of fabricating the same **US20067138753 (2006)**.
- Hierold, C., Stampfer, C., Jungen, A. Manufacturing method for the integration of nanostructures into microchips **WO06125457 (2006)**.
- Tan, S., Zhang, Y. Real-time monitoring optically trapped carbon nanotubes **WO06127018 (2006)**.
- Hagelstein, P.L., Mckubre, M.C.H., Trevithick, M.D., Tanzella, F.L., Mullican, K. Method and apparatus involving stimulation of materials containing deuterium with modulated sources **WO06128108 (2006)**.
- Hagmann, M.J. Efficient high-frequency energy coupling in radiation-assisted field emission **US20067141781 (2006)**.
- Hagelstein, P.L., Mckubre, M.C.H., Trevithick, M.D., Tanzella, F.L., Mullican, K. Methods and apparatus for energy conversion using materials comprising molecular deuterium and molecular hydrogen-deuterium **WO06128109 (2006)**.
- Dubois, P., Koster, S., Mikhailov, S. Dielectric electroactive polymer **WO06123317 (2006)**.

PROTEINS SCAFFOLDS

- Bhatia, S.N., Khetani, S.R. Novel water-soluble nanocrystals comprising a low molecular weight coating reagent and methods of preparing the same **WO06118543 (2006)**.
- Baran, Jr. J.R., Stefely, J.S., Stein, S.W. Stabilized foams including surface-modified organic molecules **US20067141612 (2006)**.
- Blum, A.S., Ratna, B., Sapsford, K., Vora, G., Soto, C. Protein scaffolds and viral particles for detecting analytes **WO06124044 (2006)**.

4. Hieke, A. Ion source with controlled superposition of electrostatic and gas flow fields *US20067138642* (2006).
5. Sun, Y., Miyasato, T. Method for measuring rotational speed of molecule of fullerenes *US20067138799* (2006).
6. Josephson, L., Sun, Y., Weissleder, R. Water relaxation-based sensors *WO06122083* (2006).
7. Kedrov, A., Mueller D.J. Method for determining the state of activation of a protein *WO06120012* (2006). *EP1722374* (2006).

GENE SEQUENCES AND PHOSPHATIDYLINOSITOL 3-KINASE

1. Buck, G.A., Ozaki, L.S., Wang, Y., Xu, P., Serrano, M.G., Manque, P.A., Alves, J.M.P., Puiu, D. *Cryptosporidium hominis* genes and gene products for chemotherapeutic immunoprophylactic and diagnostic applications *WO06044045* (2006).
2. Gu, H., Neel, B.G., Kinet, J.-P. GAB2 (P97) gene and methods of use thereof *EP1666595* (2006).
3. Williams, L.T. Escobedo Jaime A. Human platelet-derived growth factor receptors *US20067105305* (2006).
4. Akil, H., Bunney, Jr. W.E., Choudary, P.V., Evans, S.J., Jones, E.G., Li, J., Lopez, J.F., Lyons, D.M., Molnar, M., Myers, R.M., Schatzberg, A.F., Stein, R., Thompson, R.C., Tomita, H., Vawter, M.P., Watson, S.J. Genes and pathways differentially expressed in bipolar disorder and/or major depressive disorder *WO06002262* (2006).
5. Betsholtz, C., Tryggvason, K., Takemoto, M., He, L., Patrakkas, J., Glomerular expression profiling *WO06100066* (2006).
6. Parsons, D.W., Wang, T.-L., Samuels, Y., Bardelli, A., Lengauer, C., Velculescu, V., Kinzler, K.W., Vogelstein, B. PI3K pathway mutations in cancer *WO06127607* (2006).
7. Stropp, U., Schwers, S., Kallabis, H. Single nucleotide polymorphisms as prognostic tool to diagnose adverse drug reactions (ADR) and drug efficacy *WO06008045* (2006).
8. West, M., Nevins, J.R., Goldschmidt, P. Atherosclerotic phenotype determinative genes and methods for using the same *WO06026074* (2006).
9. Omoigui, O.S. Method of prevention and treatment of aging age-related disorders and/or age-related manifestations including atherosclerosis peripheral vascular *WO2006121558* (2006).

AKT AND DNA GENE SEQUENCE

1. Saxinger, C. Polypeptides comprising IL-6 ligand binding receptor domains *US20067144986* (2006).
2. Smith, L., Hellstrom, A. Determination of risk and treatment of complications of prematurity *US20067144707* (2006).

3. Lin, J., Kothakota, S., Wu, G., Doberstein, S., Brennan, T., Masuoka, L., Qin, M., Marshall, S., Wang, Y., Hollenbaugh, D., Williams, L.T. Methods of and compositions for stimulation of glucose uptake into muscle cells and treatment of diseases *WO06128125* (2006).
4. Coles, J.G., Hannigan, G., Lu, H. Modulation of the integrin linked kinase signaling pathway to promote cardiac cell proliferation and self-renewal *WO06125321* (2006).
5. Mckay R., Jain R., Dobie K.W., Pandey S.K., Bhanot S. Compositions and their uses directed to PTPRU *WO06127976* (2006).
6. Tetsu, O., Okabe, H., McCormick, F. Modulation of MAPK-mediated phosphorylation and/or FBXW8-mediated ubiquitinylation of cyclin D1 in modulation of cellular proliferation *WO06128053* (2006).
7. Daley, G.Q., Raz, T., Azam, M. Methods for the treatment of disease *WO06128180* (2006).
8. Pandey, S.K., Mckay, R., Bhanot, S., Yu, X.-X. Compositions and their uses directed to LMW-PTPASE *WO06127913* (2006).

TYROSINE KINASE RECEPTOR

1. Fogelman, A.M., Anantharamaiah, G.M., Navab, M. Orally administered peptides to ameliorate atherosclerosis *US20067144862* (2006).
2. Miao, N., Wang, M., Mahanthappa, N.K., Pang, K., Vertebrate embryonic patterning-inducing proteins compositions and uses related thereto *US20067144997* (2006).
3. June, C.H., Thompson, C.B., Nabel, G.J., Gray, G.S., Rennert, P.D. Methods for selectively stimulating proliferation of T cells *US20067144575* (2006).
4. Zsebo, K.M., Bosselman, R.A., Suggs, S.V., Martin, F.H. SCF antibody compositions and methods of using the same *US20067144731* (2006).
5. Goddard, A., Godowski, P.J., Gurney, A.L., Smith, V., Wood, W.I. Antibody to a polypeptide overexpressed in tumors *US20067144990* (2006).
6. Yoshimura, K., Hikichi, Y., Nishimura, A. Protein and DNA thereof *US20067144720* (2006).
7. Cismowski, M., Duzic, E. AGS proteins and nucleic acid molecules and uses therefore *US20067144711* (2006).
8. Ruoslahti, E., MacKenna, D.A. Heart homing conjugates *US20067144860* (2006).

G-PROTEIN-COUPLED RECEPTOR

1. de Sauvage, F.J., Murone, M., Rosenthal, A., Stone, D.M., Gurney, A.L., Wood, W.I. Nucleic acid encoding human suppressor of fused *US20067144996* (2006).
2. Poznansky, M.C., Luster, A.D., Scadden, D.T. Purposeful movement of human migratory cells away from an agent source *US20067141363* (2006).

3. Feder, J.N., Mintier, G., Ramanathan, C.S., Human leucine-rich repeat-containing proteins specifically expressed in the nervous system *US20067141381 (2006)*.
4. Kostenis, E., Gassenhuber, J. EDG8 receptor its preparation and use *US20067141383 (2006)*.
5. Meyerson, M., Weir, B., Zhao, X. Methods of diagnosing and treating cancer *WO06128195 (2006)*.
6. Karin, N., Wildbaum, G. Polypeptides and compositions comprising same and methods of using same for treating CXCR4 associated medical conditions *WO06126209 (2006)*.
7. Polyak, K., Hu, M., Qimron, N., Yao, J. Gene methylation and expression *WO06128140 (2006)*.
8. Burstein, E., Knapp, A.E. Par2-modulating compounds and their use *WO06127379 (2006)*.
9. Skinner, P.J., Semple, G., Webb, P. 5-Aminopyrazole carboxylic acid derivatives and methods of treatment of metabolic-related disorders thereof *WO06127595*
10. Pogue-Caley, R., Monesmith, T., Tcherepanova, I., Dinterman, L. Dendritic cell compositions and methods *WO06127150 (2006)*.
2. Turner, C.A. Jr., Zambrowicz, B., Nehls, M., Friedrich, G., Sands, A.T. Lipoxygenase proteins and polynucleotides encoding the same *US20067144730 (2006)*.
3. Brandhuber, B.J., Vigers, G.P.A. Method of structure-based drug design to create or improve modulators of IL-1 activity which bind to the interleukin-1 type 1 receptor *US20067144988 (2006)*.
4. Stemmer, W.P.C. Protein scaffolds and uses thereof *WO06127040 (2006)*.
5. Carlson, C.G., Samadi, A. Compositions and methods for the treatment of muscular dystrophy *WO06127930 (2006)*.
6. Foley, K., Bertin, J., Grant E.P. Method for treating b cell regulated autoimmune disorders *WO06128172 (2006)*.
7. Flores, H., Lin, T.P., Matthews, T.C., Pai, R., Shahrokh, Z., Apo-2 ligand/trail formulations *WO06127284 (2006)*.
8. Burkly, L., Borodovsky, A., Zheng, T., Dong, X. T11a in the treatment of disease *WO06127900 (2006)*.
9. Siegler, K., Iczkowski, K., Bucala, R., Vera, P.L. Polymorphism in the macrophage migration inhibitory factor (MIF) gene as marker for prostate cancer *WO06127609 (2006)*.

RECOMBINANTS AND TISSUE ENGINEERING

1. Glick, G.D. Compositions relating to novel compounds and targets thereof *US7144880 (2006)*.
2. Collins, T., Mahmud, H., Houze, J., Huang, A.X., Medina, J.C., Wang, X., Xu, F., Xu, Q., Zhu, L. CCR4 antagonists *US20067144903 (2006)*.
3. Schimmel, P., Wakasugi, K., Human aminoacyl-tRNA synthetase polypeptides useful for the regulation of angiogenesis *US20067144984 (2006)*.
4. Burns, M.R., Graminski, G.F. Polyamine analogs that activate antizyme frameshifting *US20067144920 (2006)*.
5. Ward, D.T., Dobie, K.W. Modulation of hypoxia-inducible factor 1 alpha expression *US20067144999 (2006)*.
6. Adrian, T.E., Collin, P.D. Anticancer glycoside compounds *US7144867 (2006)*.
7. Janigro, D., Marchi, N. Markers of blood barrier disruption and methods of using same *US20067144708 (2006)*.
8. Paoletti, E., Tartaglia, J., Taylor, J., Gettig, R. Pox-virus-rabies recombinants and compositions and methods employing the recombinants *US20067144578 (2006)*.
9. Rolland, E., Hunziker, T., Mis, B., Rinsch, C. Methods and compositions for tissue regeneration *US20067144729 (2006)*.
10. Gibert, M., Popoff, M.-R. *Clostridium perfringens* beta-2 toxin signal sequence promoter and recombinant prokaryote host cells comprising them *US20067144998 (2006)*.
11. Rasmussen, P.B., Rasmussen, G., Andersen, K.V., Bornaes, C. Interferon beta variants and conjugates *US20067144574 (2006)*.
12. Hoffmann, K., Kiprijanov, S., Knackmuss, S.H.J., Le Gall, F., Little, M., Reusch, U. Anti-CD16 binding molecules *WO06125668 (2006)*.
13. Miller, R.L., Kieper, W.C. Compositions and methods for mucosal vaccination *WO06126981 (2006)*.
14. Parlati, F., Aujay, M., Bennett, M.K. Novel substrate for RPN 11 enzymatic activity *WO06128196 (2006)*.
15. Wang, P.M., Prausnitz, M.R., Martanto, W. Micro-needles and methods for microinfusion *WO06128034 (2006)*.
16. Li, Q., Cohen, J. Cellular receptor for varicella-zoster virus methods of inhibiting spread of varicella-zoster and methods of increasing stability and infectivity of the virus *WO06128026 (2006)*.
17. Gompels, U., Dewin, D., Catusse, J., Cytokine *WO06126025 (2006)*.
18. Stappenbeck, F., Konradi, A., Jagodzinski, J., Semko, C.M., Xu, Y.-Z., Smith, J.L., Rossiter, K. Imidazolone phenylalanine derivatives as VLA-4 antagonists *WO06127584 (2006)*.

CELL REGULATED AUTOIMMUNE DISORDERS

1. Milich, D.R., Billaud, J.-N. Human hepatitis B virus core proteins as vaccine platforms and methods of use thereof *US20067144712 (2006)*.
19. Dreyfus, D.H. Nuclease resistant external guide sequences for treating inflammatory and viral related respiratory diseases *WO06126982 (2006)*.

HUMAN GENES AND STEM CELLS

1. Gaiger, A., Cheever, M.A. Compositions and methods for WT1 specific immunotherapy *US20067144581 (2006)*.
2. Anziano, P.Q. Manganese superoxide dismutase exon 3-deleted isoforms and nucleic acid molecules encoding the isoforms *US20067144994 (2006)*.
3. Muller, M.L., True, T., Simmons, C.R., Yalpani, N. Nucleic acid encoding a chitinase and methods of using it to make fungal resistant plants *US20067145060 (2006)*.
4. Wang, L., Babiuk, L.A., Potter, A.A., Willson, P. Postweaning multisystemic wasting syndrome virus from pigs *US7144698 (2006)*.
5. Van de Lavoie, M.-C., Etches, R.J., Heyer B. Diamond J., Mather C., Beemer K., Myers H. Chimeric bird from embryonic stem cells *US20067145057 (2006)*.
6. Ito, M., Kobayashi, K., Nakahata, T., Tsuji, K., Habu, S., Koyanagi, Y., Yamamoto, N., Sugamura, K., Ando, K., Nomura, T. 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 *US20067145055 (2006)*.
7. Jakobovits, A., Zsebo, K.M. Production of antibodies using CRE-mediated site-specific recombination *US20067145056 (2006)*.
8. Bazan, G.C., Liu, B. Conformationally flexible cationic conjugated polymers *US20067144950 (2006)*.
9. Court, D.L., Yu, D., Lee, E.-C., Ellis, H.M., Jenkins, N.A., Copeland N.G. Enhanced homologous recombination mediated by lambda recombination proteins *US20067144734 (2006)*.

HEMATOPOIETIC STEM CELLS

1. Olejnik, J., Rothschild, K.J. Photocleavable isotope-coded affinity tags *US20067145019 (2006)*.
2. Zhang, C., Lodish, H. Methods for expansion and analysis of cultured hematopoietic stem cells *WO06127809 (2006)*.
3. Lee, D.S., Lee, W.B., Jeon, C.J., Bae, Y.S. Animal models carrying tumors expressing human prostate cancer-specific antigen and method for analyzing prevention and treatment efficacy of dendritic cells-derived immunotherapeutics using the above *WO06126864 (2006)*.
4. Peled, A., Fujii, N. CXCR4 antagonists for wound healing and re-epithelialization *WO06126188 (2006)*.
5. Mccutcheon, K., Song, A. Pretreatment of a biological sample from an autoimmune disease subject *WO06127517 (2006)*.
6. Morawala, P.V. A method for the production of a monoclonal antibody to CD20 for the treatment of B-cell lymphoma *WO06126069 (2006)*.

7. Bernstein, K.E., Shen, X. Methods and compositions for modulating the activity of peptidases in macrophage and macrophage-like cells *WO06127452 (2006)*.
8. Defrees, S., Bayer, R. J., Zope, D.A., Kang, J., Willett, W.S. Jr. Glycopegylated erythropoietin formulations *WO06127910 (2006)*.
9. Slepshkin, V., Humeau, L. Transduction of primary cells *WO06127585 (2006)*.

EMBRYONIC STEM CELLS

1. Akers, R., Anderson, W.J., Navran, S.S. Jr. Interlinked culture chamber for biologicals *US20067144727 (2006)*.
2. Andersen, L.N., Dela, H., Lange, N.E.K., Bjornvad, M.E., Moller, S., Glad, S.O.S., Kauppinen, M.S., Schnorr, K., Kongsbak, L. Schulein deceased Martin Pectate lyases *US20067144722 (2006)*.
3. Ingham, P.W., McMahon, A.P., Tabin, C.J. Vertebrate embryonic pattern-inducing proteins and uses related thereto *US20067144732 (2006)*.
4. Berry, B.M. Osteoconductive spinal fixation system *WO06127392 (2006)*.
5. Small, D.L., Sands, A.T. Methods and compositions for defining gene function *WO06128149 (2006)*.
6. Yarema, K.J., Sampathkumar, S.-G., Jones, M.B., Campbell, C.T. Fatty acid carbohydrate hybrid molecules as therapeutic agents and methods thereof *WO06127977 (2006)*.
7. Palmore, G.T.R., Song, H.-K. Compositions and methods for inducing stimulating and directing neuronal growth *WO06127712 (2006)*.
8. Guerciolini, R., Mcswiggen, J., Jadhav, V., Vargeese, C. RNA interference mediated inhibition of stromal cell-derived factor-1 (SDF-1) gene expression using short interfering nucleic acid (SINA) *WO06128141 (2006)*.
9. Christiano, A.M. TRPS1-mediated modulation of hair growth *WO06128084 (2006)*.
10. Bentwich, I., Avniel, A. Bacterial and bacterial associated miRNAs and uses thereof *WO06126040 (2006)*.

GENE TRANSFER

1. Takizawa, H., Yokoi, T., Kikuchi, A. Capsule medical apparatus having evacuation detecting and notifying devices and capsule medical apparatus collecting system *US20067144366 (2006)*.
2. Zhu, X. Methods and apparatus for measuring refractive index and optical absorption differences *US20067145655 (2006)*.
3. Blumenfeld, M., Sanders, M.A., Talghader, J.J., Grenz, J.R. Imaging of biological samples using electronic light detector *US20067145645 (2006)*.

4. Fenner, P.R. Packet switching node *US20067145906 (2006)*.
5. Shelton, IV F.E., Timperman E.L. Surgical instrument incorporating EAP blocking lockout mechanism *US20067143925 (2006)*.
6. Altmann, S.W., Burnett, D.A., Davis, Jr. H.R., Graziano, M.P., Laverty, M., Yao, X. Use of azetidinone compounds *US20067144696 (2006)*.
7. Schaedler, R.E., Slate, L.G., Tejani, A.A., Kennedy, R.N. Jr. Methods and systems for delivering presence information regarding push-to-talk subscribers *US20067146181 (2006)*.
8. Coe, D.M., Monteith, M.J., Procopiou, P.A. Agonists of beta-adrenoceptors *US20067144908 (2006)*.
6. Duwenig, E., Loyall, L. Expression cassettes for seed-preferential expression in plants *WO2006125749 (2006)*.
7. Presta, L.G., O'connell, L.Y., Doronina, S.O. Humanized anti-CD40 antibodies and their methods of use *WO2006128103 (2006)*.
8. Ades, E.W., Sampson, J.S., Steiner, S., Carlone, G.M., Caba, J.J., Rajam, G. Functional epitopes of *Streptococcus pneumoniae* psaa antigen and uses thereof *WO2006127020 (2006)*.

METHYLATION-INDUCED GENE SILENCING

TUMOR SUPPRESSOR GENES

1. Glick, G.D. Compositions relating to novel compounds and targets thereof *US20067144880 (2006)*.
2. Gaiger, A., Cheever, M.A. Compositions and methods for WT1 specific immunotherapy *US20067144581 (2006)*.
3. Johnson, R.A., Attardo, G., Pyrrole-type compounds compositions and methods for treating cancer treating viral diseases and causing immunosuppression *US20067144912 (2006)*.
4. Miao, N., Wang, M., Mahanthappa, N.K., Pang, K. Vertebrate embryonic patterning-inducing proteins compositions and uses related thereto *US20067144997 (2006)*.
5. Ruoslahti, E., MacKenna, D.A. Heart homing conjugates *US20067144860 (2006)*.
6. Chaudhuri, S.-R., Hurwitz, M.Y., Holcombe, V., Marcus, K.T., Hurwitz R.L. Hyaluronic acid mediated adenoviral transduction *US20067144870 (2006)*.

1. Hung, D. Identification of viral agents in breast ducts and antiviral therapy therefore *US20067132232 (2006)*.
2. Van Den, Boom D.J., Ehrich, M. Methods and compositions for phenotype identification based on nucleic acid methylation *WO06017083 (2006)*.
3. Wolffe, A., Urnov, F., Guschin, D., Collingwood, T., Li, X.-Y., Johnstone, B. Screening methods based on isolating a collection of polynucleotides corresponding to accessible regions of chromatin *US20067097978 (2006)*.
4. Morris, K.V., Looney, D.J., Jacobsen, S.E., Compositions and methods for regulating gene transcription *WO06085942 (2006)*.
5. Karl, J., Andres, H., Grunert, V., Rollinger, W., Zolg, W. Use of CYFRA 21-1 As A Marker For Colorectal Cancer *WO06066915 (2006)*.
6. Andres, H., Haggmann, M.-L., Karl, J., Kunert, U., Pestlin, G. Use of ASC as a marker for colorectal cancer *WO06066917 (2006)*.

HOMOZYGOUS DELETION

1. Wang X., Liu Q. R2D2: an enzyme of RNA silencing *US20067144714 (2006)*.
2. Anderson, R.P., Hill, A.V.S., Jewell, D.P. Diagnosis of coeliac disease using a gliadin epitope *US20067144569 (2006)*.
3. Ingham, P.W., McMahon, A.P., Tabin, C.J. Vertebrate embryonic pattern-inducing proteins and uses related thereto *US20067144732 (2006)*.
4. Meex, S.J.R., Van Der, Kallen, C.J.H., De Bruin, T.W.A., Van Greevenbroek, M.M. J., Vlietinck, R., Ayoubi, T.A.Y. Genetic association of polymorphisms in the ATF6-alpha gene with insulin resistance phenotypes *WO06125513 (2006)*.
5. Smith, G.C.M., Slade, A.J., Richardson, C.J., Durkacz, B.W. Use of DNA-PK inhibition to sensitise ATM deficient cancers to DNA-damaging cancer therapies *WO2006126010 (2006)*.

GENE THERAPY

1. Olejnik, J., Rothschild, K.J. Photocleavable isotope-coded affinity tags *US20067145019 (2006)*.
2. Suciufoca, N., Cortesini, R., Liu, Z., Chang, C.-C. Method of inducing anergic T helper cells *US20067144728 (2006)*.
3. Lin, J., Kothakota, S., Wu, G., Doberstein, S., Brennan, T., Masuoka, L., Qin, M., Marshall, S., Wang, Y., Hollenbaugh, D., Williams, L.T. Methods of and compositions for stimulation of glucose uptake into muscle cells and treatment of diseases *WO06128125 (2006)*.
4. Wong, J.C., Cote, A.S., Dienemann, E.A., Gallagher, K., Ikeda, C., Moser, J., Rajniak, P., Reed, R.A., Starbuck, C., Tung, H.-H., Wang, Q., Cohen, B.M., Capodanno, V.R., Sell, B., Miller, T.A. Formulations of suberoylanilide hydroxamic acid and methods for producing same *WO06127319 (2006)*.
5. Kufe, D.W., Modulation of MUC1-dependent anti-estrogen resistance *WO06127972 (2006)*.
6. Cao, H., Lin, H.-Y., Davis, P.J., Davis, F.B. Inhibitors of PGHS-2 transactivator activity *WO06127731 (2006)*.

- Bertin, J. Grant, E.P. Method for treating cancer **WO06128129 (2006)**.

WWOX

- Belouchi, A., Raelson, J. V. Bradley, W.E., Paquin, B., Fournier, H., Nguyen-Huu, Q. Croteau, P., Allard, R., Debrus, S., Serre, V., Van Eerdewegh, P., Little, R. D., Keith, T., Segal, J. Genemap of the human genes associated with Crohn's disease **WO06116867 (2006)**.
- Ching, E. P., Johnson, D.E., Sudarsanam, S. Novel methods and devices for evaluating poisons **WO06116622 (2006)**.
- Noel, J.P., Verdecia, M.A. Crystal structure of WW domains and methods of use thereof **US20067127357 (2006)**.
- Reading, C., Frincke, J., Dowding, C. Steroid analogs and characterization and treatment methods **WO06110172 (2006)**.
- Koch, J., Stougaard, M., Lohmann, J. S. Methods for production of oligonucleotides **WO06108422 (2006)**.
- Ajami, A. M., Boss, M.A., Paterson, J. Compounds for treating autoimmune and demyelinating diseases **WO06081431 (2006)**.
- Maclachlan, I., Ambegia, E.G., Heyes, J. Lipid encapsulated interfering RNA **WO06074546 (2006)**.
- Salonen, J.T., Aalto, J.-M., Fuentes, R., Kontkanen, O., Pirskanen, M., Uimari, P. Method and kit for detecting a risk of essential arterial hypertension **WO06053955 (2006)**.
- Finkelstein, S.D., Swalsky, P. Dynamic genomic deletion expansion and formulation of molecular marker panels for integrated molecular pathology diagnosis and characterization of tissue cellular fluid and pure fluid specimens **WO2006047483 (2006)**.
- Shaughnessy, J., Barlogie, B., Fenghuang, Z. Diagnosis prognosis and identification of potential therapeutic targets of multiple myeloma based on gene expression profiling **WO2006028867 (2006)**.

WILMS TUMOR 1 (WT1)

- Wong, J.C., Cote, A.S., Dienemann, E.A., Gallagher, K., Ikeda, C., Moser, J., Rajniak, P., Reed, R.A., Starbuck, C., Tung, H.-H., Wang, Q., Cohen, B.M., Capodanno, V.R., Sell, B., Miller, T.A. Formulations of suberoylanilide hydroxamic acid and methods for producing same **WO2006127321 (2006)**.
- Burczynski, M.E. Stover, J.A., Dorner, A.J., Twine, N.C. Leukemia disease genes and uses thereof **WO06125195 (2006)**.
- Staunton, J., Jin, X., Rufo, D.S., Monteiro, M. Compositions and methods for the treatment of neurodegenerative diseases **WO2006119295 (2006)**.
- Staunton, J., Jin, X., Rufo, D.S., Monteiro, M. Compositions and methods for the treatment of neurodegenerative diseases **WO06119329 (2006)**.

- Hirawat, S., Miller, L. Compositions of an orally active 124-oxadiazole for nonsense mutation suppression therapy **WO06110483 (2006)**.
- Mcfadden, G., Barrett, J., Stanford, M. Use of a combination of myxoma virus and rapamycin for therapeutic treatment **WO06094385 (2006)**.
- Levine, A.J. Pennica, D. WISP polypeptides and nucleic acids encoding same **US20067101850 (2006)**.
- Chou, S.-Y. Method of producing transglutaminase having broad substrate activity **US20067101695 (2006)**.
- Burczynski, M.E., Immermann, F., Twine, N.C., Stover, J.A., Dorner, A.J. Methods and systems for diagnosis prognosis and selection of treatment of leukemia **WO06089233 (2006)**.

SSECKS

- Lahav, R., Patterson, P.H. Compositions and methods for treating cancer using compositions comprising an inhibitor of endothelin receptor activity **WO06050026 (2006)**.
- Geng, Y.-J., Wassler, M.J. Methods and compositions for regulation of stem cell survival proliferation and differentiation by protein ubiquitination **WO06017855 (2006)**.
- Natsoulis, G., Browne, L.J. A universal gene chip for high throughput chemogenomic analysis **WO06001896 (2006)**.

RECOMBINANT ADENOVIRAL VECTOR

- Clayman, G.L. Dr. Method and compositions for the diagnosis and treatment of cancer **EPI724350 (2006)**.
- Gregory, R.J., Wills, K.N., Maneval, D.C. Recombinant adenoviral vector and methods of use **EPI637608 (2006)**.
- Olek, A., Berlin, K. Methods systems and computer program products for determining the biological effect and/or activity of drugs chemical substances and/or pharmaceutical compositions based on their effect on the methylation status of the DNA **EPI627927 (2006)**.
- Hjorth, S.A., Bodensgaard, K., Madsen, D. Il-21 variants **WO06111524 (2006)**.
- Mayumi, T., Tsutsumi, Y., Nakagawa, S., Ohta, T. TNF antagonists and TNF inhibitors comprising the same as the active ingredient **EPI1717246 (2006)**.
- Dong, Z.X. Analogs of parathyroid hormone Analogs of parathyroid hormone **EPI645566 (2006)**.
- Boruchov, A., Young, J.W. Modulation of FC gamma receptors for optimizing immunotherapy **EPI674479 (2006)**.
- Anderson, D.W., Zerhusen, B.D., Li, L., Zhong, M., Casman, S.J., Gerlach, V.L., Shimkets, R.A., Gorman, L., Pena, C.E.A., Kekuda, R., Patturajan, M., Spytek, K.A., Leite, M.W., Rastelli, L., Macdougall, J.R., Taupier, R.J. Jr., Guo, X., Miller, C. E., Shenoy, S.G.,

- Hjalt, T. Antigenic polypeptides antibodies binding thereto nucleic acids encoding the antigens and methods of use *EP1661998 (2006)*.
- Pena, C.E.A., Shimkets, R.A., Li, L., Shenoy, S.G., Kekuda, R., Spytek, K.A., Vernet, C.A.M., Malyankar, U.L., Guo, X., Gusev, V.Y., Casman, S.J., Boldog, F.L., Furtak, K., Techernev, V.T., Patturajan, M., Gangolli, E.A., Padigaru, M., Liu, X., Baumgartner, J.C., Gerlach, V.L. Proteins polynucleotides encoding them and methods of using the same *EP1637601 (2006)*.

ADP-RIBOSYLATION FACTOR-LIKE

- Halloran, P.F. Diagnostic Applications Of Microarrays in organ transplantation *WO06125301 (2006)*.
- Amaral, D.G., Corbett, B.A. Diagnostic biomarkers for neurodevelopmental disorders *WO06121952 (2006)*.
- Hare, J., Kittleson, M. Identification of gene expression by heart failure etiology *WO06099336 (2006)*.
- Welsh, M.J., Drapkin, P.T. Targeting vector to the urokinase plasminogen activator receptor *US20067132405 (2006)*.
- Bennett, M., Clarke, M., Littlewood, T. Animal Model Of Vascular Smooth Muscle Cell Apoptosis *WO06111757 (2006)*.
- Criekinge, W.V., Straub, J., Sidransky, D. Methylation markers for diagnosis and treatment of cancers *WO06113671 (2006)*.
- Geraci, M.W., Coldren, C.D., Gruber, M.P., Sullivan, A.K., Voelkel, N.F. Diagnosis of chronic pulmonary obstructive disease and monitoring of therapy using gene expression analysis of peripheral blood cells *WO06105252 (2006)*.
- Van Criekinge, W., Straub, J., Wisman, B. Methylation markers for diagnosis and treatment of cancers *WO06113678 (2006)*.
- Croce, C.M., Calin, G.A. Novel tumor suppressor gene and compositions and methods for making and using the same *WO06105486 (2006)*.
- Yu, J., Jiang, Y., Yang, F. Laser microdissection and microarray analysis of breast tumors reveal estrogen receptor related genes and pathways *WO06108135 (2006)*.
- Bejanin, S., Tanaka, H. Human cDNAs and proteins and uses thereof *US20067122629 (2006)*.

MITOCHONDRIA-MEDIATED APOPTOTIC CELL DEATH AND BCL-2 FAMILY PROTEINS

- Zlokovic, B.V., Liu, D., Cheng, T., Guo, H. Activated protein c inhibits undesirable effects of plasminogen activator in the brain *WO06014839 (2006)*.

CANCER THERAPY

- Saxinger, C. Polypeptides comprising IL-6 ligand binding receptor domains *US20067144986 (2006)*.

- Fogelman, A.M., Anantharamaiah, G.M., Navab, M. Orally administered peptides to ameliorate atherosclerosis *US20067144862 (2006)*.
- Gaiger, A., Cheever, M.A. Compositions and methods for WT1 specific immunotherapy *US20067144581 (2006)*.
- Chirino, A.J., Luo, P., McDonnell, P.C., Muchhal, U., Tansey, M.L. Protein based tumor necrosis factor-receptor variants for the treatment of TNF related disorders *US20067144987 (2006)*.
- Miao, N., Wang, M., Mahanthappa, N.K., Pang, K. Vertebrate embryonic patterning-inducing proteins compositions and uses related thereto *US20067144997 (2006)*.
- Goshorn, S.C., Graves, S. S., Schultz, J. E., Lin, Y., Sanderson, J.A., Reno, J.M. Streptavidin expressed gene fusions and methods of use thereof *US20067144991 (2006)*.
- Rolland, E., Hunziker, T., Mis, B., Rinsch, C. Methods and compositions for tissue regeneration *US20067144729 (2006)*.

APOPTOSIS

- Bennett, V., Gramolini, A.O., Mohler, P.J. Methods of modulating localization and physiological function of IP3 receptors *US20067144706 (2006)*.
- Anziano, P.Q. Manganese superoxide dismutase exon 3-deleted isoforms and nucleic acid molecules encoding the isoforms *US7144994 (2006)*.
- Milich, D.R., Billaud, J.-N. Human hepatitis B virus core proteins as vaccine platforms and methods of use thereof *US20067144712 (2006)*.
- Chu, Y., Masoud, M., Gebeyehu, G., Transfection reagents *US20067145039 (2006)*.
- Schimmel, P., Wakasugi, K. Human aminoacyl-tRNA synthetase polypeptides useful for the regulation of angiogenesis *US20067144984 (2006)*.
- Ward, D.T., Dobie K.W. Modulation of hypoxia-inducible factor 1 alpha expression *US20067144999 (2006)*.

PROGRAMMED CELL DEATH

- Miesenbock, G., Zemelman, B.V. Bio-synthetic photostimulators and methods of use *US20067144733 (2006)*.
- Ingham, P.W., McMahan, A.P., Tabin, C.J. Vertebrate embryonic pattern-inducing proteins and uses related thereto *US20067144732 (2006)*.
- Skinner, M. Methods for diagnosing epigenetic trans-generational effects of environmental toxicants on mammalian germ-lines and treating associated diseases *WO06127650 (2006)*.

4. Flores, H., Lin, T.P., Matthews, T.C., Pai, R., Shahrokh, Z. Apo-2 ligand/trail formulations **WO06127284 (2006)**.
5. Huesca, M., Young, A.H., Lee, Y., Khine, A., Wright, J.A., Lock, L. 2-Indolyl imidazo[45-d]phenanthroline derivatives and their use in the treatment of cancer **WO06126177 (2006)**.
6. Smith, G.C.M., Slade, A.J., Richardson, C.J., Durkacz, B.W. Use of DNA-PK inhibition to sensitise ATM deficient cancers to DNA-damaging cancer therapies **WO06126010 (2006)**.
7. Tang, D.-C.C., Zhang, J., Van Kampen, K.R. System for rapid production of high-titer and replication-competent adenovirus-free recombinant adenovirus vectors **WO06127956 (2006)**.

BCL-2 FAMILY

1. Wang, S., Zeng, J. Method of delivering nucleic acid molecules into embryonic stem cells using baculoviral vectors **WO06126972 (2006)**.
2. Murray, J.C., Semina, E. RIEG compositions and therapeutic and diagnostic uses therefore **US20067141543 (2006)**.
3. Nevins, J.R., Bild, A.H., Yao, G., Chang, J.T., Wang, Q., Potti, A., Harpole, D., Lancaster, J.M., Berchuck, A., Olson, J.A. Jr., Marks, J.R., West, M., Dressman, H. Gene expression signatures for oncogenic pathway deregulation **WO06124836 (2006)**.
4. Antonia, S., Gabrilovich, D.I., Chada, S., Menander, K.B. P53 vaccines for the treatment of cancers **WO06124700 (2006)**.
5. Aukerman, S.L., Jallal, B., Luqman, M. Methods for diagnosis and treatment of proliferative disorders mediated by CD40 signaling **WO06125143 (2006)**.
6. Satterthwait, A., Zhang, X.-K., Zhu, X., Kolluri, S. Compounds that regulate apoptosis **WO06124537 (2006)**.
7. Aukerman, S.L., Jallal, B., Luqman, M. Methods for diagnosis and treatment of diseases having an autoimmune and/or inflammatory component **WO06125117 (2006)**.

HIV-1

1. Chu, Y., Masoud, M., Gebeyehu, G. Transfection reagents **US20067145039 (2006)**.
2. Millar, D.S., Melki, J.R., Grigg, G.W. Isothermal strand displacement amplification using primers containing a non-regular base **WO06125267 (2006)**.
3. Torres, R.A. Treatment of HIV-associated dysmorphia/dysmetabolic syndrome (HADDS) with or without lipodystrophy **US20067144577 (2006)**.
4. Coleman, P.F., Su, P.C.-D., Monji, N., Cole, C.-A. Synthetic antigen for the detection of antibodies immunoreactive with HIV virus **US7144697 (2006)**.
5. Chakrabarty, A., Gupta, T.D., Yamada, T., Chaudhari, A., Fialho, A., Hong, C.S. Compositions and methods

for treating HIV infection with cupredoxin and cytochrome C **WO2006127514 (2006)**.

6. Milner, J.A., Gait, M., Jiang, M.A.A. Hybrid interfering RNA **WO2006125977 (2006)**.
7. O'keefe, B., Xiong, C.-Y., McMahon, J.B., Byrd, A. Scytovirin domain 1 related polypeptides **WO06127822 (2006)**.
8. Jung, S.W., Jeon, C.J., Bae, Y.S. Method for measuring effectively the activity of cytotoxic T lymphocyte in human and out-bred animals **WO2006126865 (2006)**.
9. Chakrabarty, A., Gupta, T.D., Yamada, T., Chaudhari, A., Fialho, A., Hong, C.S. Compositions and methods for treating malaria with cupredoxin and cytochrome **WO06127477 (2006)**.

ANTIRETROVIRAL THERAPY

1. Gorenstein, D.G. Combinatorial selection of phosphorothioate aptamers for rnases **WO06125094 (2006)**.
2. Hu, Q., Johnson, T.W., Kuki, A., Plewe, M.B., Nowlin, D.M., Wang, H., Zhang, J. HIV-integrase inhibitors pharmaceutical compositions and methods for their use **US20067135482 (2006)**.
3. Nagaike, K., Mori, Y., Gomi, Y., Takahashi, M., Yamanishi, K. Recombinant varicella-zoster virus **EP1721981 (2006)**.
4. Borrelly, G., Guyon, T., Drittanti, L. Modified interferon-gamma polypeptides and methods for using modified interferon-gamma polypeptides **WO06120580 (2006)**.
5. Gosselin, G., Imbach, J.-L., Sommadossi, J.-P. Methods and compositions for treating hepatitis C virus using 4'-modified nucleosides **US20067138376 (2006)**.
6. Bachmann, M.F., Tissot, A., Pumpens, P., Cielens, I., Renhofa, R. Molecular antigen arrays **US20067138252 (2006)**.
7. Parkin, N.T., Ziermann, R.A. Means and methods for monitoring protease inhibitor antiretroviral therapy and guiding therapeutic decisions in the treatment of HIV/AIDS **US20067138231 (2006)**.
8. Hua, S., Pauling, M.H., Zhu, L. Human monoclonal antibodies against human CXCR4 **US20067138496 (2006)**.
9. Browning, J., Hochman, P.S., Rennert, P.D., Mackay, F. Soluble lymphotoxin-beta receptors anti-lymphotoxin receptor antibodies and anti-lymphotoxin ligand antibodies as therapeutic agents for the treatment of immunological diseases **EP1723967 (2006)**.

PROTEASE INHIBITORS

1. Maeji, N.J., Wickham, G., Rasoul, F. Modifying the surface of polymer substrates by graft polymerization **US20067144979 (2006)**.

2. Ott, D.M. Personal care and medicinal products incorporating bound organosulfur groups **WO06127918 (2006)**.
3. Jakobsen, B.K., Li, Y. T cell receptors which specifically bind to VYGFVRACL-HLA-A24 **WO06125962 (2006)**.
4. Li, J., Sukumar, S., Chan, D.W. Biomarkers For Breast Cancer **WO06128082 (2006)**.
5. Larisch, S. Methods and compositions for treating schizophrenia **WO06126199 (2006)**.
6. Upham, L.V., Levetan, C.S. Peptides derivatives and analogs thereof and methods of using same **WO2006128083 (2006)**.
7. Bayer, R.J., Krishnasamy, P., Defrees, S., Bowe, C. Glycopegylated factor IX **WO2006127896 (2006)**.
8. Cao, H., Lin, H.-Y., Davis, P.J., Davis, F.B. Inhibitors of PGHS-2 transactivator activity **WO06127731 (2006)**.
9. Larisch, S. Arts C-terminus fragments and mimetics thereof **WO06126198 (2006)**.
10. Lau, J.R., Geho, W.B. Lipid construct for delivery of interferon to a mammal **WO06127360 (2006)**.

DRUG RESISTANCE TEST

1. Confer, A.W., Ayalew, S., Murphy, G.L., Pandher, K. M. Haemolytica outer membrane protein PIPE as a vaccine or vaccine component against shipping fever **US20067144580 (2006)**.
2. Stevens, M.F.G., Wells, G., Westwell, A.D., Poole, T.D. 4-Aryl quinols and analogs thereof as therapeutic agents **US20067144893 (2006)**.
3. Burnette, III W.N. Modified pertussis toxin **US20067144576 (2006)**.
4. Maerkl, S.J., Thorsen, T.A., Bao, X., Quake, S.R., Studer, V. Microfluidic large scale integration **US20067143785 (2006)**.
5. Watanabe, M., Mido, N., Tamura, T., Sumida, N., Yaguchi, T. Saponin-decomposing enzyme gene thereof and large-scale production system for producing soyasapogenol B **US20067144718 (2006)**.
6. Cornett, G., Page, J., Page, K. Enantiomeric compositions of cicletanine in combination with other agents for the treatment of hypertension **WO06128035 (2006)**.
7. Mckerrecher, D., Pike, K.G., Waring, M.J. Heteroaryl benzamide derivatives for use as GLK activators in the treatment of diabetes **WO06125972 (2006)**.
8. Markussen, J., Havelund, S., Jacobsen, J.K., Hvass, A., Jonassen, I., Jensen, G.W. Acylated insulin with high purity **WO2006125765 (2006)**.
9. Cable, E.E., Erion, M.D. Thyromimetics for the treatment of fatty liver diseases **WO2006128058 (2006)**.

QUANTITATIVE TRAIT LOCI AND DAIRY CATTLE

1. Segebart, R.L. Hybrid maize 33N56 **US20067129402 (2006)**.
2. Eby, W.H. Soybean cultivar S030158 **US20067129399 (2006)**.
3. Pinnisch, R.M. Hybrid maize 39F27 **US20067129401 (2006)**.
4. Eby, W.H. "Soybean cultivar 0509241" **US20067132591 (2006)**.
5. Schultze, D.L. Soybean cultivar SO20011 **US20067135628 (2006)**.
6. Maves, A.J. Inbred corn line 4XP811 **US20067135629 (2006)**.
7. Barker, D.J. Inbred corn line SE8505 **US20067138571 (2006)**.
8. Rosen, C.A., Haseltine, W.A., Balance, D.J., Turner, A.J., Ruben, S.M. Albumin fusion proteins comprising GLP-1 polypeptides **US20067141547 (2006)**.
9. Jiang, Z., Kunej, T. Polymorphisms in mitochondrial transcription factor a (TFAM) gene and their associations with measures of marbling and subcutaneous fat dept in beef CA **WO2006128117 (2006)**.
10. Jiang, Z., Kunej, T. Polymorphisms in fatty acid binding protein 4(FABP4) gene and their associations with measures of marbling and subcutaneous fat depth in beef cattle **WO06128116 (2006)**.

QUANTITATIVE TRAIT NUCLEOTIDE

1. Taylor, K.D., Rotter, J.I., Yang, H., Hsueh, W.A., Guo, X., Raffel, L.J., Goodarzi, M.O. Method of haplotype-based genetic analysis for determining risk for developing insulin resistance and coronary artery disease **US20067141373 (2006)**.
2. Belas, R., Miller, T.R., Bruhn, J.B. Silicibacter sp. strain useful for genetic transformation of marine algae and production of antibiotic agents **WO06127823 (2006)**.
3. Duwenig, E., Loyall, L.P. Expression cassettes for seed-preferential expression in plants **WO06125749 (2006)**.
4. Moon, R.T., De, Ferrari, G. Methods for diagnosis or prognosis of late age onset disease **WO06127294 (2006)**.
5. Vasil, M.L., Vasil, A.I., Ochsner, U.A., Snyder, A. Arginine translocase secretory apparatus: high throughput assays and vaccine vectors related thereto **WO06128012 (2006)**.
6. Chakravarti, A., Emison, E.S., Mccallion, A.S., Green, E. Methods of identifying mutations in nucleic acid **WO06128042 (2006)**.
7. Zank, T., Oswald, O. Nucleic acid molecules encoding ECHI-like polypeptides and methods of use **WO06125756 (2006)**.

8. Browse, J.A., Shockey, J.M., Burgal, J.J. Enhancement of hydroxy fatty acid accumulation in oilseed plants *WO06127655 (2006)*.
9. Fincher, K.L., Flasiniski, S., Wilkinson, J.Q. Glyphosate resistant plants using hybrid promoter constructs *US20067141722 (2006)*.
10. Larkins, J. Plants and seeds of corn variety I450436 *US20067141724 (2006)*.

MARKER-ASSISTED SELECTION

1. Martinez, F.E., Munoz-Ruz, J., Fernandez, M.J.M., Garces, R. High oleic/high stearic sunflower oils *US20067141267 (2006)*.
2. Sachs, D.H., Arn, S. Inbred miniature swine and uses thereof *US20067141716 (2006)*.
3. Dubcovsky, J., Fahima, T., Uauy, C., Distelfeld, A. High grain protein content gene *WO06124752 (2006)*.
4. Wang, D., Mensah, C., Difonzo, C.D. Resistance to soybean aphid in early maturing soybean germplasm *WO06125065 (2006)*.
5. Nickell, A.D. Soybean variety 0008079 *US20067138570 (2006)*.
6. DeBonte, L.R., Fan, Z., Miao, G.-H. Brassica or helianthus plants having mutant delta-12 or delta-15 sequences *US20067135614 (2006)*.
7. Brugidou, C., Brizard, J.-P., Ghesquiere, A. Means for identifying a novel class of genes resistant to the rice yellow mottle virus and the locus of a major gene of resistance to the virus and their applications *US20067132514 (2006)*.
8. Polston, J.E., Hiebert, E. Materials and methods for engineering resistance to tomato yellow leaf curl virus (TYLCV) in plants *WO06116202 (2006)*.
9. Broglie, K.E., Butler, K.H., Butruille, M.G., Da Silva, C.A., Frey, T.J., Hawk, J.A., Jaqueth, J.S., Jones, E.S., Multani, D.S., Wolters, P.J. Polynucleotides and methods for making plants resistant to fungal pathogens *WO06107931 (2006)*.
10. Messier, W. Eg1117 and Eg307 polynucleotides and uses thereof *WO06105277 (2006)*.

DNA MICROSATELLITE

1. Tan, E., Lam, H.C., Kellogg, G. Ruggedized apparatus for analysis of nucleic acid and proteins *WO06124842 (2006)*.
2. Amundadottir, L., Gudmundsson, J., Sulem, P. Variants at CHR8Q24.21 confer risk of cancer *WO06123369 (2006)*.
3. Allikmets, R., Anderson, K.L., Dean, M., Leppert, M., Lewis, R.A., Li, Y., Lupski, J.R., Nathans, J., Rattner, A., Shroyer, N.F., Singh, N., Smallwood, P., Sun, H. Nucleic acid and amino acid sequences for ATP-binding cassette transporter and methods of screening for agents that modify ATP-binding cassette transporter *US20067141420 (2006)*.

4. Chen, Z., Hallier, S., Deng, X. Transgenic plants resistant to sclerotinia and phoma lingam *US20067141723 (2006)*.
5. Murray, J.C., Semina, E. RIEG compositions and therapeutic and diagnostic uses therefore *US20067141543 (2006)*.
6. Lyons, L.A., Grahn, R.A., Erdman, C.A. Carrier tests for polycystic kidney disease in the cat *US20067141376 (2006)*.
7. Croce, C.M., Ishii, H. Compositions kits and methods relating to the human FEZ1 gene a novel tumor suppressor gene *US20067141417 (2006)*.
8. Appleby, M., Fraser, I., Atkinson, J.E. Devices methods and systems involving castings *US20067141812 (2006)*.
9. Hoon, D.S.B., Umetani, N., Sunami, E. Use of free circulating DNA for diagnosis prognosis and treatment of cancer *WO06128192 (2006)*.
10. Biswal, S., Singh, A. Compositions and methods for the treatment or prevention of chemoresistant neoplasia *WO06128041 (2006)*.

SINGLE NUCLEOTIDE POLYMORPHISM

1. Borlak, J., Niehof, M. Use of novel hnf4a target genes and their gene products *WO06125493 (2006)*.
2. Takakura, H., Morishita, M., Shimojo, T., Asada, K., Kato, I. Method for producing protease *US20067144719 (2006)*.
3. Oldham, M.F. Cytometric system including nucleic acid sequence amplification and method *WO06128098 (2006)*.
4. Krizman, D.B., Guiel, T.G., Darfler, M.M. Multiplex method for increased proteomic coverage from histopathologically processed biological samples using liquid tissue preparations *WO06127860 (2006)*.
5. Cantor, C.R., Zhang, L., Kasif, S. Quantification of nucleic acids and proteins using oligonucleotide mass tags *WO06128010 (2006)*.
6. Johnson, J.D., Blume, J.E., Palma, J.F., Zhou, Y.-P. Methods and reagents for diagnosis and treatment of diabetes *US20067144985 (2006)*.
7. Chee, M. Iterative resequencing *US20067144699 (2006)*.

LINKAGE DISEQUILIBRIUM

1. Challita-Eid, P.M., Raitano, A.B., Faris, M., Hubert, R.S., Morrison, K.J.M., Morrison, R.K., Ge, W., Jakobovits, A. Nucleic acid and corresponding protein entitled 184P1E2 useful in treatment and detection of cancer *US20067135549 (2006)*.
2. Young, R.P. Methods and compositions for assessment of pulmonary function and disorders *WO06121351 (2006)*.

3. Boerglum, A., Severinsen, J., Mors, O., Muir, W., Blackwood, D., Ewald, H. Method for diagnosis and treatment of a mental disease **WO06119775 (2006)**.
4. Coolbaugh-Murphy, M., Brown, B.W., Siciliano, M.J., Ramagli, L. Estimating allele frequencies by small pool PCR **WO06122288 (2006)**.
5. Kim, B.-C., Lee, Y.-S., Kim, M.-S., Son, O.-K., Lee, M.-S., Kim, K.-E., Song, O.-R., Jeon, H.-J., Park, K.-H., Ahn, T.-J., Kim, J.-H. Genetic polymorphisms associated with myocardial infarction and uses thereof **WO06121312 (2006)**.
6. Ratain, M.J., Innocenti, F., Kroetz, D.L., Undevia, S., Nguyen, T.D., Liu, W. Methods and compositions relating to the pharmacogenetics of different gene variants in the context of irinotecan-based therapies **WO06124646 (2006)**.
7. Young, R.P. Methods and compositions for assessment of pulmonary function and disorders **WO06123955 (2006)**.
8. Moldenhauer, K.A.K., Lee, F.N. Rice cultivar 'banks' **US20067141726 (2006)**.
9. Young, R.P. Methods of analysis of polymorphisms and uses thereof **WO06123943 (2006)**.
4. Okhamafe, A., Chou, J., Gullapalli, R., Harwood, E., Ryckman, D., Zhu, S., Shang, X. Crystalline and other forms of 4-amino-5-fluoro-3-[6-(4-methyl piperazin-1-yl)-1H-benzimidazol-2-yl]-1h-quinolin-2-one lactic acid salts **WO06127926 (2006)**.
5. D Andrea, A.D., Taniguchi, T. Compositions and methods for the treatment of cancer **WO06127978 (2006)**.
6. Griffioen, A.W. Functionally active recombinant peptides methods for producing same and interactions with other peptides **WO06128027 (2006)**.

GENETIC MARKERS**GENOME SCAN**

1. Wong, J.C., Cote, A.S., Dienemann, E.A., Gallagher, K., Ikeda, C., Moser, J., Rajniak, P., Reed, R.A., Starbuck, C., Tung, H.-H., Wang, Q., Cohen, B.M., Capodanno, V.R., Sell, B., Miller, T.A. Formulations of suberoylanilide hydroxamic acid and methods for producing same **WO06127321 (2006)**.
2. Kania, R.S., Bender, S.L., Borchardt, A.J., Cripps, S.J., Hua, Y., Johnson, M.D., Johnson, Jr. T.O., Luu, H., Palmer, C.L., Reich, S.H., Tempczyk-Russell, A.M., Teng, M., Thomas, C., Varney, M.D., Wallace, M.B., Collins, M.R. Indazole compounds and pharmaceutical compositions for inhibiting protein kinases and methods for their use **US20067141587 (2006)**.
3. Presta, L.G., Kishnani, N. Interferon-IGG fusion **WO06127757 (2006)**.
1. Freskos, J., Brown, D.L., Fobian, Y.M., Fang, L., Romero, A.G., John, V. Hydroxy alkyl amines **US20067144897 (2006)**.
2. Zurbriggen, B.D., Rekhif, N., Mehlmann-De-Campos, M., Lerch, K. Production of alpha-keto butyrate **US20067144715 (2006)**.
3. Wise, D.S., Sercel, A.D., Jung, K.-Y., Berry, D.A., Randolph, J.B., Somers, R.L., Mackie, H. Fluorescent nitrogenous base and nucleosides incorporating same **US20067144995 (2006)**.
4. Buendgen, M.B. Inbred corn line G0603 **US20067145061 (2006)**.
5. Wang, H., Wang, C.C., Amory, A., Dhaese, P., Lambrechts-Rongvaux, A., Oxidizing enzymes **US20067144717 (2006)**.
6. Huang, T.H.-M. High-throughput methods for detecting DNA methylation **US20067144701 (2006)**.
7. Dibner J., Schasteen C.S., Vazquez-Anon M. Methods and compositions for reducing blood homocysteine levels **WO2006128048 (2006)**.
8. Elsaesser-Beile, U., Wolf, P., Gierschner, D., Buehler, P., Wetterauer, U. Monoclonal antibodies and single chain antibody fragments against cell-surface prostate specific membrane antigen **WO06125481 (2006)**.
9. Church, G., Pitcher, E.R. Accessible polynucleotide libraries and methods of use thereof **WO06127423 (2006)**.