

Patent Selections:

The patents annotated in this section have been selected from various patent collections. They are recent patents categorized by different biotechnology methods, process and techniques involved and related to biotechnology and are relevant to the articles published in this journal issue.

BIOFILM & BIOTECHNOLOGY

1. Nataro, J. Nucleic acids encoding novel proteins in enteroaggregative *Escherichia coli* (EAEC) **US20067141662 (2006)**.
2. Kohn, L.D., Harii N., Benavides-Peralta U., Gonzalez-Murguionda M., Lewis C.J., Napolitano G., Giuliani C., Malgor R., Goetz D.J. Methods and compositions for the treatment of autoimmune and inflammatory diseases associated with toll-like receptors **WO06124676 (2006)**.
3. Hester, J.F., Spiewak, B.E., Holm, D.R., Hall, Jr., Jerald, W., Kirk, S.M., David, M.M., Lakshmi, B.B. Layered sheet construction for wastewater treatment **US20067140495 (2006)**.
4. Miller, K. M., Bucay-Couto, W., Li J. Implantable or insertable medical device resistant to microbial growth and biofilm formation **EP1718348 (2006)**.
5. Bornstein, E. Use of secondary optical emission as a novel biofilm targeting technology **EP1718236 (2006)**.
6. Koppe, J., Lausch, H., Hockarth, W.-I., Roehrdanz, B., Schoenfelder, T. Process for the disinfection and the elimination of biofilms **EP1717206 (2006)**.
7. Zumeris, J., Hazan, Z., Zumeris, Y. Vibrations driven through natural mammalian conduits for biofilm prevention **WO2006124031 (2006)**.
8. Frankel, T.E. Multiple layered membrane with thin fluorine containing polymer layer **EP1724000 (2006)**.
9. Ollivier, B. M. N., Combet-Blanc, Y. A. B., Fardeau, M.-L., Chardin, B. Method for producing hydrogen sulphide and the use thereof, in particular, for depolluting heavy metal-containing flows **WO2006117458 (2006)**.
2. Payne, J., Sick, A.J. *Bacillus thuringiensis* isolate active against lepidopteran pests, and genes encoding novel lepidopteran-active toxins **US20067138568 (2006)**.
3. Vehmaanperae, J., Puranen, T., Valtakari, L., Kallio, J., Alapuranen, M., Paloheimo, M., Ojapalo, P. Improved cellulases **WO06117432 (2006)**.
4. Narva, K. E., Merlo, D. J. Polynucleotides, pesticidal proteins, and novel methods of using them **US20067129212 (2006)**.
5. Sabnis, R.W., Kehoe, T.D., Balchunis, R.J. Novelty compositions with color changing indicator **WO06105191 (2006)**.
6. Dalla-Favera, R. Isolation of five novel genes coding for new Fc receptors-type melanoma involved in the pathogenesis of lymphoma/myeloma **US20067105149 (2006)**.
7. Belov, I., Moser, T. D. Novel polishing slurries and abrasive-free solutions having a multifunctional activator **WO06081149 (2006)**.
8. Joergensen, C.T., Lassen, S.F., Noergaard, A. Novel enzyme having alpha-xylosidase activity **WO06079346 (2006)**.
9. Proudfoot, A., Power, C., Frauenschuh, A. Novel cc-chemokine antagonists **WO06067124 (2006)**.
10. Malpartida, R.F., Seco, M.E. M., Cuesta, V. T., Polyene, A. Compositions containing said antibiotics, method and micro-organisms used to obtain same and applications thereof **WO06100330 (2006)**.

MEDICAL DEVICES

1. Collins, T., Mahmud, H., Houze, J., Huang, A.X., Medina, J.C., Wang, X., Xu, F., Xu, Q., Zhu, L. CCR4 antagonists **US20067144903 (2006)**.
2. Croce, C.M., Ishii, H. Compositions, kits, and methods relating to the human FEZ1 gene, a novel tumor suppressor gene **US20067141417 (2006)**.
3. Coler, R., Lobet, Y., Reed, S. Novel method for preventing or treating M tuberculosis infection **WO06117240 (2006)**.
4. Timmer, R.T., Alexander, C.W., Pillarisetti, S., Saxena, U., Yeleswarapu, K.R., Pal, M., Reddy, J.T., Reddy, V.V.R.M. K., Alluri, S.S., Kumar, P.R., Reddy, G.O. Methods and compositions of novel triazine compounds **US20067132423 (2006)**.
5. Ching, E. P., Johnson, D.E., Sudarsanam, S. Novel methods and devices for evaluating poisons **WO06116622 (2006)**.

EXOPOLYMERIC MATRIX

1. Janbon, G., Iraqui, H.I., D'Enfert, C.D. Polypeptides involved in *Candida* biofilm formation and uses thereof **WO06059228 (2006)**.
2. Spormann, A. M., Thormann, K. M., Saville, R. M. Methods for microbial biofilm destruction and interference with microbial cellular physiology **WO06045041 (2006)**.
3. Kumar, C. R., Ticlo, D. T., D'Souza, S. A novel process for decolorization of colored effluents **WO06059348 (2006)**.

BIOCIDE

1. Hutchings, L.R., Feast, W. J. Thompson R. L., Pillay-Narrainen, A. Novel surface active polymeric systems **WO06125965 (2006)**.

6. 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)**.
7. Burkly, L., Borodovsky, A., Zheng, T., Dong, X. TL1A in the treatment of disease **WO06127900 (2006)**.
8. Holers, V.M., Thurman, J. M., Tomlinson, S., Stahel, P.F. Inhibition of the alternative complement pathway for treatment of traumatic brain injury, spinal cord injury and related conditions **WO06128006 (2006)**.
9. Mccutcheon, K., Song, A. Pretreatment of a biological sample from an autoimmune disease subject **WO06127517 (2006)**.
10. Walker, A.M. System and method for early identification of safety concerns of new drugs **EP1717722 (2006)**.
3. Cunningham, P.R. Novel targets for the identification of antibiotics that are not susceptible to antibiotic resistance **WO06122277 (2006)**.
4. Liu, W., Wu, L. Compositions employing a novel human kinase **US20067122361 (2006)**.
5. Pestka, S., Krause, C.D. Novel Human, feline, Chicken and other animal interferons and uses thereof **WO2006099451 (2006)**.
6. Byers-Horner, A.A., Clarke, C.A.B., Combs, K., Desauvage, F., Edwards J., Godowski, P., Grant, D., Huang, W., Ketcherside, L.D., Massey E.M., Montgomery, C., Payne, B.J., Peterson, A., Qian N.N., Schrick, J.J., Shi, Z.-Z., Sparks, M.J., Stala, J., Viator, C.M., Vogel, P., Ye, W., Yeh, J.-H. Novel gene disruptions, compositions and methods relating thereto **WO2006098887 (2006)**.
7. Karin, N., Wildbaum, G. Polypeptides and compositions comprising same and methods of using same for treating CXCR4 associated medical conditions **WO06126209 (2006)**.

ANTIMICROBIAL SURFACE

1. Goyal, S., Dixit, S., Okech, F. Novel propofol composition comprising a pharmaceutically acceptable salt of formaldehyde sulfoxylate **WO06128088 (2006)**.
2. Elmaleh, D.R., Zetter, B.R., Weinstein, E., Bhisitkul, J.B. Novel biotinylated compositions **WO06124726 (2006)**.
3. Freskos, J., Brown, D.L., Fobian, Y.M., Fang, L., Romero, A.G., John, V. Hydroxy alkyl amines **US20067144897 (2006)**.
4. Flynn, D.L., Petillo, P.A. Anti-inflammatory medications **US20067144911 (2006)**.
5. Chaudhuri, S.-R., Hurwitz, M.Y., Holcombe, V., Marcus, K.T., Hurwitz, R.L. Hyaluronic acid mediated adenoviral transduction **US20067144870 (2006)**.
6. Hansen, M. R., Young, Sr., R.H. Method of binding particles to binder treated fibers **US20067144474 (2006)**.
7. Johnson, R.A., Attardo, G. Pyrrole-type compounds, compositions, and methods for treating cancer, treating viral diseases and causing immunosuppression **US20067144912 (2006)**.
8. Svanborg, C., Sabharwal, H. Protein complex from ion-exchange chromatography for treatment of bacterial infections **US20067144855 (2006)**.
9. Gall, M., Pagan, M. Sunscreen compositions and methods of use thereof **US20067144570 (2006)**.

RATIONAL DESIGN

1. Glick, G.D. Compositions relating to novel compounds and targets thereof **US20067144880 (2006)**.
2. Husson, B. Novel use of liver X receptor agonists **WO06120213 (2006)**.

PROTEIN ENGINEERING

1. Chu, K., Williams, L.T., Wong, J.G.P., Hestir, K., Collins, A.L.T., Lee, E. Novel stromal cell-derived factor-1 polypeptides, polynucleotides, modulators thereof, and method of use **WO06124013 (2006)**.
2. Golan, I., Caspi, D., Melnik, L. Novel galectin sequences and compositions and methods utilizing same for treating or diagnosing arthritis and other chronic inflammatory diseases **WO06120678 (2006)**.
3. Akers, R., Anderson, W.J., Navran, Jr. S.S. Interlinked culture chamber for biologicals **US20067144727 (2006)**.
4. Chirino, A.J., Luo, P., McDonnell, P.C., Muchhal, U., Tansey, M. Protein based tumor necrosis factor-receptor variants for the treatment of TNF related disorders **US20067144987 (2006)**.
5. Johnson, J.D., Blume, J.E., Palma, J.F., Zhou, Y.-P. Methods and reagents for diagnosis and treatment of diabetes **US20067144985 (2006)**.
6. 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)**.

7. Moon, R.T., De Ferrari, G. Methods for diagnosis or prognosis of late age onset disease **WO06127294 (2006)**.
8. Goddard, A., Godowski, P.J., Gurney, A.L., Smith, V., Wood, W.I. Antibody to a polypeptide overexpressed in tumors **US20067144990 (2006)**.
9. Johnson, P.C. Method and information system for non-random selection of uniform structural and functional features for tissue and plant product processing **US20067142988 (2006)**.
10. Cismowski, M., Duzic, E. AGS proteins and nucleic acid molecules and uses therefore **US20067144711 (2006)**.

DIRECTED EVOLUTION

1. Lai, A., Booher, R. Novel DKKL-1 splice product modulators for cancer diagnosis and therapy **WO06105343 (2006)**.
2. Gao, Z., Levin, S.D., Clegg, C.H., Gross, J.A., Xu, W., Ramsdell, F.J., Brandt, C.S. Methods of using PNKP30, a member of the B7 family, to modulate the immune system **WO06124668 (2006)**.
3. Faris, S.M. Vertical integrated circuits **US20067145219 (2006)**.
4. Acharya, S.A., Smith, P.K., Manjula, B.N. Pegylated non-hypertensive hemoglobins, methods of preparing same, and uses thereof **US20067144989 (2006)**.
5. Del Cardayre, S.B., Tobin, M.B., Stemmer, W.P.C., Ness, J.E., Minshull, J., Patten, P. Evolution of whole cells and organisms by recursive sequence recombination **EPI1717322 (2006)**.
6. Zelder, O., Pompejus, M., Schroder, H., Kroger, B., Klopprogge, C., Haberhauer, G. Genes coding carbon metabolism and energy-producing proteins **US20067141664 (2006)**.
7. Muraca, P.J. Kinase Peptides and antibodies **WO06124932 (2006)**.
8. Heavner, G.A., Naso, M.S., O'Neil, K.T., Rauchenberger, R., Sweet, R., Li, L. Anti-IL-13 antibodies, compositions, methods and uses **WO06124451 (2006)**.
9. 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)**.
10. Janigro, D., Marchi, N. Markers of blood barrier disruption and methods of using same **US20067144708 (2006)**.

ENZYME ENGINEERING

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. 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)**.
3. Zank, T., Oswald, O. Nucleic acid molecules encoding echi-like polypeptides and methods of use **WO2006125756 (2006)**.
4. Milburn, M., Westphal, C.H., Livingston, D.J., Lambert, P., Normington, K.D., Elliott, P. Treatment of eye disorders with sirtuin modulators **WO06127987 (2006)**.
5. Di Virgilio, F., Falzoni, S., Pellegatti, P., Pinton, P.R., Rizzuto, R. Chimeric proteins for measuring ATP concentrations in pericellular space and related screening method **WO06126231 (2006)**.
6. Qiu, Y., Xie, Y., Xu, K., Inhibition of the 44 kilodalton isoform of PIM-1 kinase restores apoptosis induced by chemotherapeutic drugs in cancer cells **WO06124626 (2006)**.
7. Antonia, S., Gabrilovich, D.I., Chada, S., Menander, K.B. P53 Vaccines for the treatment of cancers **WO06124700 (2006)**.
8. De La Monte, S., Wands, J.R. Transgenic animals and cell lines for screening drugs effective for the treatment or prevention of Alzheimer's disease **US20067138380 (2006)**.
9. Bottomley, L.A., Ghosh, M., Shen, S., Saul, R., Kossek, S., Pace, G.W. Microcantilever apparatus and methods for detection of enzymes, enzyme substrates, and enzyme effectors **US20067141385 (2006)**.
10. 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 **EPI1724286 (2006)**.

BIOCATALYSIS

1. Moffatt, J., Bruns, R., Birk, I., Singh, B. Novel mutation involved in increased tolerance to imidazolinone herbicides in plants **WO06060634 (2006)**.
2. Rajgarhia, V., Penttila, M., Ruohonen, L., Ilmen, M., Koivuranta, K., Suominen, P. Methods and materials for the production of organic products in cells of *Candida* species **US20067141410 (2006)**.
3. Das, A., Carton, J.M. Anti-MCP-1 antibodies, compositions, methods and uses **WO06085961 (2006)**.
4. Zhao, H., Woodyer, R., Metcalf, W., Van Der Donk, W.A., Johannes, T. Engineered phosphite dehydrogenase mutants for nicotinamide cofactor regeneration **WO06074194 (2006)**.
5. Binder, T.P., Bloomer, S., Lee, I., Solheim, L., Wicklund, L.E. Method for producing fats or oils **WO06124818 (2006)**.
6. Lyngberg, O.K., Flickinger, M.C., Scriven, II, L.E., Anderson, R., Composite devices incorporating biological material and methods **US20067132247 (2006)**.

7. Davis, S.C., Grate, J.H., Gray, D.R., Gruber, J.M., Huisman, G.W., Ma, S.K., Newman, L.M., Sheldon, R., Wang, L.A. Enzymatic processes for the production of 4-substituted 3-hydroxybutyric acid derivatives and vicinal cyano, hydroxy substituted carboxylic acid esters **US20067132267 (2006)**.
8. Nagai, H., Konuki, K., Ito, S., Sameshima, T. Process for producing optically active tetrahydrothiophene derivative and method of crystallizing optically active tetrahydrothiophen-3-ol **EPI1712633 (2006)**.
9. Chan, T.-H., Damha, M.J., Miao, W., Donga, R.A., He, X. Ionic liquid supported synthesis **WO06096963 (2006)**.
10. Hirai, H., Kojima, M. Magnetic composite body, production method thereof, method for removing substance with mannose on its surface, and method for concentrating substance with mannose on its surface **WO06085668 (2006)**.

COMPUTATIONAL DESIGN

1. Keating, M.T., Li, D.Y. Elastin-based compositions **US20067125837 (2006)**.
2. Karin, N., Wildbaum, G., Zohar, Y., Izhak, L., Weinberg, U. Molecules and methods of using same for treating MCP-1/CCR2 associated diseases **WO06109301 (2006)**.
3. Rus, H., Badea, T., Fosbrink, M. Response gene to complement 32 (RGC-32) in disease **WO06110748 (2006)**.
4. Breitbart, E., Yacov, N. Compositions containing beta 2-glycoprotein I-derived peptides for the prevention and/or treatment of vascular disease **WO06109312 (2006)**.
5. Weyer, C., Laugero, K.D., Mack, C.M., Parkes, D.G. Compositions and methods for the control, prevention, and treatment of obesity and eating disorders **WO06105345 (2006)**.
6. Desjarlais, J.R., Steed, P.M., Zalevsky, J., Szymkowski, D.E. Protein based TNF-alpha variants for the treatment of TNF-alpha related disorders **WO06113487 (2006)**.
7. Pollock, S., Cohen-Dayag, A., Sella-Tavor, O., Sameah-Greenwald, S., Walach, S., Bazak, L. Novel diagnostic markers, especially for *in vivo* imaging, and assays and methods of use thereof **WO06090389 (2006)**.
8. Averback, P., Gemmell, J. Peptides effective in the treatment of tumors and other conditions requiring the removal or destruction of cells **EPI1714979 (2006)**.
9. Manucharyan, K., Gevorgyan, G. Immunogens for vaccines against antigenically variable pathogens and diseases **WO06102098 (2006)**.
10. Fong, S.K.H., Hadlock, K.G., Keck, Z.-Y., Prevention and treatment of HCV infection employing antibodies directed against conformational epitopes **US20067091324 (2006)**.

POLYSACCHARIDES

1. Hirose, K., Sakai, J. Proteins and novel genes encoding the same **US20067135559 (2006)**.
2. Han, M., Wang, F. Novel water-soluble nanocrystals comprising a low molecular weight coating reagent, and methods of preparing the same **WO06118543 (2006)**.
3. Chen, T., Embree, H.D., Brown, E.M., Taylor, M.M., Payne, G.F. Polysaccharide-based polymers and methods of making the same **US20067138373 (2006)**.
4. Rapoport, N., Gao, Z. Echogenic microbubbles and microemulsions for ultrasound-enhanced nano-particle-mediated delivery of agents **WO06127953 (2006)**.
5. Cunningham, P.R. Methods and compositions for the identification of antibiotics that are not susceptible to antibiotic resistance in *Pseudomonas aeruginosa* **WO06122224 (2006)**.
6. Kern, E.R., Prichard, M.N., Britt, W.J. Immunogenic tegument aggregates **WO06110728 (2006)**.
7. Johnson, L.S., Huang, L. Covalent diabodies and uses thereof **WO06113665 (2006)**.
8. Lui, Y., Yang, L.P., Scaria, P.V., Schiffelers, R., Tang, Q.Q., Woodle, M.C., Xie, F.Y., Xu, J., Zhou, Q. Composition and methods of RNAi therapeutics for treatment of cancer and other neovascularization diseases **WO06110813 (2006)**.
9. Gaiger, A., Cheever, M.A. Compositions and methods for WT1 specific immunotherapy **US20067144581 (2006)**.
10. Defrees, S., Bayer, R.J., Zope, D.A., Kang, J., Willett, W.S. Jr. Glycopegylated erythropoietin formulations **WO06127910 (2006)**.

OLIGOSACCHARIDES

1. Mandal, A., Sachdev, M., Herr, J.C. Novel Egg receptors for sperm proteins **WO06091535 (2006)**.
2. Wong-Madden, S.T., Guthrie, E.P., Landry, D., Taron, C.H., Guan, C., Robbins, P.W. Isolation and composition of novel glycosidases **US20067094563 (2006)**.
3. Tardi, P., Webb, M., Harasym, T., Shew, C. Compositions for delivery of drug combinations **EPI1693052 (2006)**.
4. Ng, H.P., McGee, D.P.C., Saunders, O.L., Martichonok, V., Wu, G., Li, Z., Yarranton, G.T. Cytotoxic agents **US20067129261 (2006)**.
5. Talley, J., Martinez, E., Zimmer, D., Lundrigan-Soucy, R. Diphenylheterocycle cholesterol absorption inhibitors **WO06102674 (2006)**.
6. Zimmer, D.P., Talley, J.J., Lundrigan-Soucy, R., Roberts, S., Martinez, E. Phenylazetidinone derivatives **WO06086562 (2006)**.

7. Schmidt, M., Chiorini, J.A. Isolation, cloning and characterization of new adeno-associated virus (AAV) serotypes **WO06119432 (2006)**.
8. Liew, C.-C., Han, M., Yager, T., Chao, S., Zheng, R. Bladder cancer biomarkers and uses thereof **WO06121710 (2006)**.

CURDLAN

1. Singh, S.K., Bandyopadhyay, P. Ophthalmic formulation with novel gum composition **US20067128928 (2006)**.
2. Candas, M., Bulla, L.A. Novel aconitase **WO06022640 (2006)**.
3. Blair, W.S., Butler, S.L., Cao, J.Q., Chu, W.-L.A., Jackson, R.L., Patick, A.K., Peng, Q. HIV-1 Virion maturation inhibitors, compositions and treatments using the same **WO06097848 (2006)**.
4. Nair, V., Chi, G., Uchil, V.R. Diketo acids with nucleobase scaffolds: Anti-HIV replication inhibitors targeted at HIV integrase **WO06083553 (2006)**.
5. Dobashi, T., Yamamoto, T., Konno, A., Nobe, M., Liquid crystal gel composed of curdlan and method for producing the same **JP2006096987 (2006)**.
6. Kadow, J.F., Regueiro-Ren, A. Aminium salts of 1,2,3-triazoles as prodrugs of drugs including antiviral agents **WO06071564 (2006)**.
7. Oshlack, B., Colucci, R., Wright, C., Breder, C., Pharmaceutical formulation containing opioid agonist, opioid antagonist and bittering agent **US20067144587 (2006)**.

GLUCAN

1. Horie, S., Matsuda, H., Suizu, T., Sakamoto, M. Process for producing yeast-derived glucan **EP1721990 (2006)**.
2. Svensson, J.P.H., Buelow, L. Novel method for protein purification **WO06101441 (2006)**.
3. Kim, I.-S., Park, S.-Y., Jung, M.-Y., Kim, H.-J. Novel use of ligands specific to FEX-2 polypeptide **WO06080757 (2006)**.
4. Kline, J.A., Hernandez, J., Watts, J.A. Jr. Utilizing lipopolysaccharide in exhaled breath condensate to diagnose gram negative pneumonia **WO06127704 (2006)**.
5. Burczynski, M.E., Stover, J.A., Dorner, A.J., Twine, N.C. Leukemia disease genes and uses thereof **WO06125195 (2006)**.
6. Westphal, C.R., Dipp, M., Milburn, M. Treatment of eye disorders with sirtuin modulators **WO06105403 (2006)**.
7. Sewell, L.K., Quan, J. Treatment of bone disorders **WO06093923 (2006)**.
8. Currie, M.G., Mahajan-Miklos, S., Sun, L.J., Kurtz, C. Methods and compositions for the treatment of gastrointestinal disorders **WO06086653 (2006)**.

9. Burrell, R.E., Naylor, A.G., Moxham, P.H. Treatment of mucosal membranes **US20067087249 (2006)**.

BIOPOLYMER

1. Saxinger, C. Polypeptides comprising IL-6 ligand binding receptor domains **US20067144986 (2006)**.
2. Singh, A.T., Prasad, S., Datta, K., Ahuja, R., Mukherjee, R., Burman, A.C. Novel peptides useful for treatment of alopecia **WO06106528 (2006)**.
3. Izraeli, T., Cohen, S., Marks, R.S. Method for removal of toxins from mucosal membranes **WO06092799 (2006)**.
4. Ji, Y.-H., Natarajan, M., Griffin, J.H., Jenkins, T.E. Calcium channel drugs and uses **US20067101909 (2006)**.
5. Hunt, D.F., Coon, J.J., Syka, J.E.P., Marto, J.A. Electron Transfer dissociation for biopolymer sequence analysis **EP1723416 (2006)**.
6. Whitney, S. Materials for enhancing staining of biopolymers in matrices **US20067144738 (2006)**.
7. Mcintyre, J.T., Madenjian, A. Method for treatment of uterine fibroid tumors **WO06121968 (2006)**.
8. Lee, S.-B., Yang, Y.-J. Pharmaceutical compositions comprising of arsenous acid, its sodium salt and its derivatives intended for the treatment of urogenital cancer and its metastasis **WO06121280 (2006)**.
9. Petrigini, G., Allegra, L. Treatment of skin diseases using a pharmaceutical preparation in colloidal form **US20067132412 (2006)**.
10. Garvey, D.S. Nitrosated and nitrosylated neбиволол and its metabolites, compositions and methods of use **US20067138430 (2006)**.

GPCR (G-PROTEIN-COUPLED RECEPTOR)

1. Bugada, P., Gagliardi, S., Le, P.E., Mutel, V., Palombi, G., Rocher, J.-P. Novel oxadiazole derivatives and their use as positive allosteric modulators of metabotropic glutamate receptors **WO06123249 (2006)**.
2. Martyres, D., Pouzet, P., Hoenke, C., Seither, P., Hobbie, S., Bouyssou, T. Novel piperidine-substituted indoles **WO06117314 (2006)**.
3. Mikkelsen, G., Graven, S.A., Bang-Andersen, B., Larsen, M. Pro-drugs of N-thiazol-2-yl-benzamide derivatives **WO06114093 (2006)**.
4. Skinner, P.J., Semple, G., Webb, P. 5-Aminopyrazole carboxylic acid derivatives and methods of treatment of metabolic-related disorders thereof **WO06127595 (2006)**.
5. Perry, M., Springthorpe, B. Piperidines for the treatment of chemokine mediated diseases **WO06126948 (2006)**.
6. Brown, A.D., Bryans, J.S., Bunnage, M.E., Glossop, P.A., Charlotte, A.L., Lewthwaite, R.A., Mantell, S.,

Indole derivatives useful for the treatment of diseases *US20067138527 (2006)*.

7. Gu, W., Graham, M.L., Veniant-Ellison, M. Methods of inhibiting a GPCR *WO06116660 (2006)*.
8. Root-Bernstein, R.S., Dillon, P.F., Hollingsworth, R.I. GPCR Modulators *WO06113557 (2006)*.
9. Ewing, W.R., Mapelli, C., Riexinger, D.J., Lee, V.G., Sulsky, R.B., Zhu, Y. N-Terminally modified GLP-1 receptor modulators *WO06127948 (2006)*.
10. Krizman, D.B., Guiel, T.G., Darfler, M.M., Eitner, C.P. Diagnosis of diseases and conditions by analysis of histopathologically processed biological samples using liquid tissue preparations *WO06127861 (2006)*.

AKT (PROTEIN KINASE B)

1. Borlak, J., Niehof, M. Use of novel HNF4a target genes and their gene products *WO06125493 (2006)*.
2. Gracias, V.J., Abad-Zapatero, C., Djuric, S.W., Ji, Z., Michaelides, M.R., Stewart, K.D., Zanze, I. Substituted 7, 8-dihydro-1H-pyrimido[4,5-b] [1,4] diazepin-4-amines are novel kinase inhibitors *WO06124813 (2006)*.
3. von Hirschheydt, T., Voss, E. Triarylimidazoles *US20067144889 (2006)*.
4. Huesca, M., Young, A.H., Lee, Y., Khine, A.A., Wright, J.A., Lock, L. 2-Indolyl Imidazo[4,5-D]phenanthroline derivatives and their use in the treatment of cancer *WO06126177 (2006)*.
5. Calof, A.L., Kim, J., Kawauchi, S. Compositions and methods for treatment of neural disorders using transforming growth factor-beta superfamily proteins and their antagonists *WO06128190 (2006)*.
6. Kwon, B.S. A composition comprising humanized antibody HBBK4 for the treatment of cancer and the use thereof *WO06126835 (2006)*.
7. Lewis, H.D., Harrison, T., Shearman, M.S. Cyclohexyl sulphones for treatment of cancer *WO06123182 (2006)*.
8. Lewis, H.D., Harrison, T., Shearman, M.S. Sulphonamido-substituted cyclohexyl sulphones for treatment of cancer *WO06123184 (2006)*.
9. Zsebo, K.M., Bosselman, R.A., Suggs, S.V., Martin, F.H. SCF antibody compositions and methods of using the same *US20067144731 (2006)*.
10. Turner, C.A. Jr., Zambrowicz, B., Nehls, M., Friedrich, G., Sands, A.T. Lipoygenase proteins and polynucleotides encoding the same *US20067144730 (2006)*.

BCR-ABL

1. Mailliet, P., Bertin, L., Guyon, T., Thompson, F., Ruxer, J.-M., Pilorge, F., Benard, D., Minoux, H., Carrez, C., Goulaouic, H. Novel fluorene derivatives, composition containing said derivatives and the use thereof *WO06123061 (2006)*.
2. Mailliet, P., Bertin, L., Benard, D., Carrez, C., Vallee, F., Bacque, E. Novel isoindole derivatives, compositions containing same, preparation thereof and pharmaceutical uses thereof in particular as inhibitors of chaperone protein HSP90 activities *WO06108948 (2006)*.
3. Bertin, L., Carrez, C., Thompson, F., Mailliet, P., Ruxer, J.-M. Novel 3-Aryl-1,2-benzisoxazole derivatives, compositions containing same and use thereof *WO06090052 (2006)*.
4. Macdonald, J.E., Hysell, M.K., Yu, D., Li, H., Wong-Staal, F. Novel quinolinium salts and derivatives *WO06078754 (2006)*.
5. Ayalon-Soffer, M., Toporik, A., Hecht, I., Tsabar, N., Levine, Z. Novel IL-6 polynucleotides encoding variant IL-6 polypeptides and methods using same *WO06072954 (2006)*.
6. Cooper, A., Zhu, H., Wang, J.J.-S., Desai, J. Novel farnesyl protein transferase inhibitors as antitumor agents *WO06069208 (2006)*.
7. Haber, D.A., Smolen, G.A. Method for predicting responsiveness to drugs *WO06108048 (2006)*.
8. Reddy, R.M.V., Reddy, P.E., Cosenza, S.C., Baker, S.J. Treatment of drug-resistant proliferative disorders *WO06074149 (2006)*.
9. 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)*.
10. Daley, G.Q., Raz, T., Azam, M. Methods for the treatment of disease *WO06128180 (2006)*.
11. Porter, J., Hughes, T.E. Use of tyrosine kinase inhibitors in the treatment of metabolic disorders *WO06124544 (2006)*.

SYSTEM BIOLOGY

1. Wang, L., Babiuk, L.A., Potter, A.A., Willson, P. Postweaning multisystemic wasting syndrome virus from pigs *US20067144698 (2006)*.
2. Bentwich, I., Avniel, A. Bacterial and bacterial associated mirnas and uses thereof *WO06126040 (2006)*.
3. Wang, S., Zeng, J. Method of delivering nucleic acid molecules into embryonic stem cells using baculoviral vectors *WO06126972 (2006)*.
4. Smith, L., Hellstrom, A. Determination of risk and treatment of complications of prematurity *US20067144707 (2006)*.
5. Torres, R.A. Treatment of HIV-associated dysmorphia/dysmetabolic syndrome (HADDs) with or without lipodystrophy *US20067144577 (2006)*.
6. Thomas, E.J., Method of obtaining a wheat plant with improved yield properties and a novel type of wheat obtained using said method *WO06120259 (2006)*.

7. Han, M., Wang, F. Novel water-soluble nanocrystals comprising a polymeric coating reagent, and methods of preparing the same *WO06118542 (2006)*.
8. Macina, R.A. Compositions and methods for detection, prognosis and treatment of breast cancer *WO06121991 (2006)*.
9. Willoughby, R., Pomponi, S.A., Analysis and modification of gene expression in marine invertebrate cells *US20067135292 (2006)*.
10. Bedaiwy, M., Casper, R. Diagnosis and treatment of endometriosis *WO06116873 (2006)*.
11. Chavez, R.A., Johnson, K.W., Shumilla, J., Sanftner, L. Use of cytokine-derived peptides in treatment of pain and neurodegenerative disease *WO06119170 (2006)*.
12. Booze, R.M., Mactutus, C. Dopamine receptor agonists in the treatment and prevention of HIV-induced dementia *WO06119353 (2006)*.

SIGNAL TRANSDUCTION

1. Bachmann, M.F., Maurer, P., Spohn, G., Antigen arrays for treatment of bone disease *US20067128911 (2006)*.
2. Boustany, R.-M.N., Guo, W.-X., Amalfitano, A., Methods of screening for risk of proliferative disease and methods for the treatment of proliferative disease *US20067129043 (2006)*.
3. Nicotera, T., Henderson, D., Hangauer, Jr. D.G., Protection against and treatment of hearing loss *US20067129225 (2006)*.
4. Pagano, M., Mercurio, F., Xie, W., Lopez-Girona, A., Peschiaroli, A. Methods to identify compounds useful for the treatment of proliferative and differentiative disorders *WO06113251 (2006)*.
5. Tabibiazar, R., Quertermous, T. Methods and compositions for diagnosis, monitoring and development of therapeutics for treatment of atherosclerotic disease *WO06102497 (2006)*.
6. Nathan, C.F., Buck, J., Levin, L.R., Han, H. Novel chemical inhibitors of neutrophil activation through the SAC-dependent pathway *WO06113236 (2006)*.
7. Burgeson, R.E., Koch, M., Keene, D.R., Brunken, W.J., Bruckner-Tuderman, L. Collagen XXII, a novel human collagen and uses thereof *US20067125666 (2006)*.
8. Phogat, S.K., Wyatt, R., Berkower, I. HIV GP-41-membrane proximal region arrayed on hepatitis-B surface antigen particles as novel antigens *WO06112929 (2006)*.
9. Hwang, J.-K., Han, J.-S., Lim, C.-S., Jin, D., Lee, S.-H., Han, K.-L. Novel use of lignan compounds *WO06104369 (2006)*.
10. Wang, S., Wang, C.Y. Novel neural cell specific promoter and baculovirus and method for gene delivery *WO06101457 (2006)*.

JAK/STAT

1. 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)*.
2. Wong, H.H., Aronow, B.J., Shanley, T.P., Metallothionein as an early biomarker for death secondary to septic shock and as a novel therapeutic target for septic shock *WO06113833 (2006)*.
3. Laughlin, M.J., Pompili, V., Novel methods, compositions and devices for inducing neovascularization *WO06060779 (2006)*.
4. Omoigui, O.S., Method of prevention and treatment of aging, age-related disorders and/or age-related manifestations including atherosclerosis, peripheral vascular *WO06121558 (2006)*.
5. An Wenqian, F., Park, J.Y., Khodadoust, M., Hess, H.-J., Hussain, M.S., Treatment of inflammatory disorders *WO06074192 (2006)*.
6. Boerglum, A., Kruse, T., Haagerup, A., Andersen, C.B., Diagnosis and treatment of immune-related diseases *WO06045318 (2006)*.
7. Garrett, J.A., Wang, S.-S., Thornton, K., Moore, R.L., Keating, W.A., Nussbaumer, W.A., Whiteford, C.C., Diagnosis of sepsis *WO06113529 (2006)*.
8. Gunde, T., Barberis, A., Berset, C., Method for the identification of possibly harmful receptor tyrosine kinase (RTK) mutations and of inhibitors or medication directed against RTK mutantstitle *WO06111035 (2006)*.
9. Chen, S.-Y., Shen, L., Evel-Kabler, K.C., Huang, X.F. Modulation of cytokine signaling regulators and applications for immunotherapy *WO06112869 (2006)*.
10. Ledebor, M.W., Wannamaker, M.W., Farmer, L.J., Wang, T., Pierce, A.C., Martinez-Botella, G., Bethiel, R.S., Bemis, G.W., Wang, J., Salituro, F.G., Arnost M. J., Come, J.H., Green, J., Stewart, M., Marhefka, C. Pyrrolopyridines useful as inhibitors of protein kinase *WO06127587 (2006)*.

MAP KINASE

1. Pulendran, B., Murthy, N., Pierce, R.H., Heffernan, M.J., Hao, J., Kwissa, M. Novel strategies for delivery of active agents using micelles and particles *WO06122223 (2006)*.
2. Wallace, E., Hurley, B., Yang, H.W., Lyssikatos, J., Blake, J. Heterocyclic inhibitors of MEK and methods of use thereof *US20067144907 (2006)*.
3. Perry, M., Springthorpe, B. Piperidines for the treatment of chemokine mediated diseases *WO06126947 (2006)*.
4. Veas, F., Misse, D., Bray, D., Clerici, M. Methods and compositions for the treatment of viral diseases *WO06123178 (2006)*.

5. Aukerman, S.L., Jallal, B., Luqman, M., Methods for diagnosis and treatment of diseases having an autoimmune and/or inflammatory component **WO06125117 (2006)**.
6. Veas, F., Misse, D., Bray, D., Clerici, M. Methods and compositions for the treatment of viral diseases **EP1723971 (2006)**.
7. Kim, T.-W., Landman, N. Phosphoinositide modulation for the treatment of Alzheimer's disease **WO06118630 (2006)**.
8. 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)**.
9. Krissansen, G.W., Kanwar, R.K. Novel peptides and methods for the treatment of inflammatory disorders **WO06112738 (2006)**.
10. Dodd, H., Gasson, M.J., Mayer, M., Narbad, A. Identifying lantibiotic gene clusters and novel lantibiotic genes **WO06111743 (2006)**.
11. Kim, S., Malley, M.F., Shi, Z. Process for preparing salts of 4-[[5-[(cyclopropylamino)carbonyl]-2-methylphenyl]amino]-5-methyl-N-propylpyrrolo[2,1-f][1,2,4]triazine-6-carboxamide and novel stable forms produced therein **WO06113682 (2006)**.
12. Boehm, J.C., Taggart, J.J. Novel compounds **WO06110298 (2006)**.
4. Nordvall, G., Ray, C., Rein, T., Sohn, D. Novel 5,7-disubstituted [1,3]thiazolo[4,5-D]pyrimidin-2(3H)-one derivatives **WO06107257 (2006)**.
5. Nordvall, G., Ray, C., Rein, T., Sohn, D. Novel 5-substituted 7-amino-[1,3]thiazolo[4,5-D]pyrimidine derivatives **WO06107258 (2006)**.
6. Yedgar, S., Ligumski, M., Krinsky, M. Use of lipid conjugates in the treatment of diseases **US20067141552 (2006)**.
7. Strober, W., Fuss, I., Kitani, A., Fichtner-Feigl, S. Compositions and methods for the treatment of inflammatory bowel disease utilizing NF- B decoy polynucleotides **WO06122242 (2006)**.
8. Dewhurst, S., Ramirez, S., Lu, S.-M., Gelbard, H.A., Maggirwar, S.B., Fan, S., Compositions and methods related to the manipulation of adenosine 2A receptor signaling for the treatment of HIV associated neuronal damage **WO06101920 (2006)**.
9. Okada, K., Ibuki, T., Kim, D., Fujisawa, T., Novel Liposome Compositions **WO06099169 (2006)**.
10. Betz, U., D., U.D., Gatsios, P., Seewald, M., Strayle, J., Van Es Helmuth, H.G., Van Zutphen, M., Mesic, E. Novel targets and compounds useful in the treatment of a cardiovascular disorder, dyslipidemia and atherosclerosis, and methods to identify such compounds **WO06092209 (2006)**.
11. Zhang, W., Chen, J. Novel lipoxigenase inhibitors **WO06093547 (2006)**.
12. Neamati, N., Garofalo, A. Novel compounds for treatment of cancer and disorders associated with angiogenesis function **WO06091246 (2006)**.

PHOSPHOLIPASE C

1. Johanson, K.O., Trill, J.J. Novel methods **WO06127682 (2006)**.
2. Jarosch, F., Maasch, C., Klussmann, S., Vater, A., Eulberg, D., Purschke, W., Buchner, K. Novel use of spiegelmers **WO06117217 (2006)**.
3. Ye, X.M., Garofalo, A.W., Lawler, R.D., Fukuda, J.Y., Konradi, A.W., Holcomb, R., Rossiter, K.I., Wone, D.W.G., Wu, J. Novel compounds useful for bradykinin B1 receptor antagonism **WO06113140 (2006)**.
13. Sallmann, F. Novel *in vitro* methods for studying receptors recognizing volatile compounds **WO06087163 (2006)**.
14. Baraldi, P., Borea, P.A., Preti, D., Tabrizi, M.A. Novel adenosine A3 receptor modulators **WO06083916 (2006)**.
15. Talley, J.J., Currie, M.G., Roberts, S. Methods and compositions for the treatment of hypertension and gastrointestinal disorders **WO06102069 (2006)**.