

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 inflammation and allergy drug discovery and are relevant to the articles published in this journal issue.

VEGF AND ANGIOPOIETIN-1 AND -2 AND BRONCHIAL ASTHMA

- Jin, P., Shepard, H.M. Isoforms of receptor for advanced glycation end products (RAGE) and methods of identifying and using same **WO06119510 (2006)**.
- Messina, D.J., Mistry S., Hong, L S.K., Kramer, B.C., Romanko, M.J., Gosiewska, A. Treatment of stroke and other acute neural degenerative disorders using postpartum derived cells **WO06071802 (2006)**.
- Hopf, C., Drewes, G. Use of Eph receptor inhibitors for the treatment of neurodegenerative diseases **WO06056467 (2006)**.
- Hopf, C., Drewes, G. Use of Eph receptor inhibitors for the treatment of neurodegenerative diseases **EP1662259 (2006)**.
- Nakamura, Y. Method for producing human lymphocyte suppressing production of Th2-type cytokine **JP2006254759 (2006)**.
- Nakanishi, K., Yoshimoto, T., Tsutsui, H., Hayashi, N. Composition for treating Th1-type allergic disease **JP2006199614 (2006)**.
- Song, S. A Medicine for treating cough and asthma and preparation method thereof **WO06094460 (2006)**.
- Halperin, A., Lange, D.H., Gross, Y., Pinhas, I. Techniques for prediction and monitoring of clinical episodes **WO06137067 (2006)**.
- Burgdorf, L.T., Bruge, D., Greiner, H., Kordowicz, M., Sirrenberg, C., Zenke, F. Oxindoles as kinase inhibitors **WO06131186 (2006)**.
- 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 **WO06098887 (2006)**.
- Weers, M.D., Graus, Y., Oprins, J., Parren, P.P., Winkel, J.V.D., Vugt, M.V., Antibodies against CD38 for treatment of multiple myeloma **WO06099875 (2006)**.
- Kettschau, G., Briem, H., Huth, A., Luecking, U., Schaefer, M., Thierauch, K.-H., Schwede, W., Husemann, M. Sulfonamido-macrocycles as Tie2 inhibitors **EP1674470 (2006)**.
- Luecking, U., Kettschau, G., Briem, H., Schwede, W., Schaefer, M., Thierauch, K.-H., Husemann, M. Sulfoximine-macrocycle compounds and salts thereof, pharmaceutical compositions comprising said compounds, methods of preparing same and uses of same **WO06108695 (2006)**.
- Green, L.L., Zhou, Q., Keyt, B.A., Yang, X.-D., Emery, S.C., Blakey, D.C. Antibodies directed to angiotensin-converting enzyme 2 and uses thereof **WO06068953 (2006)**.
- Oliner, J.D., Graham, K. Angiotensin-converting enzyme 2 specific binding agents **WO06045049 (2006)**.

CD48 AND ASTHMA

- Strober, W., Fuss, I., Kitani, A., Fichtner-Feigl, S. Compositions and methods for the treatment of inflammatory bowel disease utilizing NF- κ B decoy polynucleotides **WO06122242 (2006)**.
- Bejanin, S., Tanaka, H. Human cDNAs and proteins and uses thereof **US20067122629 (2006)**.
- Bannister, T., Celatka, C., Chandrakumar, N.S., Deng, H., Guo, Z., Jin, L., Lazarova, T., Lin, J., Moe, S.T., Nagafuji, P., Navia, M., Ripka, A., Rynkiewicz, M.J., Spear, K.L., Strickler, J.E., Xie, R. Substituted azetidines **WO06108039 (2006)**.
- Humphreys, R., Minzhen, X. Li-Key/Antigenic epitope hybrid peptide vaccines **WO06076410 (2006)**.
- Bejanin, S., Tanaka, H. Serine carboxypeptidase hx (SCPhx) and compositions thereof **US20067074571 (2006)**.
- Bejanin, S., Tanaka, H. Isolated human vCOL16A1 polypeptide and fragments thereof **US20067074901 (2006)**.
- Boerglum, A., Kruse, T., Haagerup, A., Andersen, C.B. Diagnosis and treatment of immune-related diseases **WO06045318 (2006)**.
- Dajee, M., Ehrhardt, R., Hofland, H., Mcevoy, L., Muchamuel, T., Schryver, B.B. Delivery of polynucleotides **WO06034433 (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 **EP1627927 (2006)**.
- Cho, H.S., Daniel, T.O., Wilson, T.E., Cujec, T.P., Tian, F., Hays, A.-M., Kimmel, B.E., Ho, L. Novel antigen-binding polypeptides and their uses **WO06009901 (2006)**.

ASTHMA TREATMENT

- Kruse, T., Park, J-H., Bobzin, S.C. P450 Substrates and methods related thereto **WO06138012 (2006)**.

2. DeLuca, H.F., Sicinski, R.R. 2-Ethyl and 2-ethylidene-19-nor-vitamin D compounds **US20067141558 (2006)**.
3. Konetzki, I., Bouyssou, T., Schnapp, A., Pieper, M.P., Combination of medicaments to be inhaled, containing a betamimetic agent and a steroid in addition to an anticholinergic agent **WO06114379 (2006)**.
4. Liggett, S., Pharmaceutical and therapeutic applications relating to a type 9 adenylyl cyclase **WO06116174 (2006)**.
5. Petereit, H.-U., Lizio, R., Ravishankar, H., Samel, A. Multiparticulate pharmaceutical form comprising pellets with a substance having a modular effect in relation to active ingredient release **WO06102964 (2006)**.
6. Petereit, H.-U., Lizio, R., Ravishankar H., Samel, A., Multiparticulate pharmaceutical form comprising pellets with a matrix which influences the delivery of a modulatory substance **WO06102965 (2006)**.
7. Sandhu, H., Valacer, D.J., Roflumilast and integrin inhibitor combination and method of treatment **WO06094640 (2006)**.
8. DeLuca, H.F. Sicinski, R.R., Grzywacz, P.K. (20S)-1.alpha.-hydroxy-2.alpha.-methyl and 2.beta.-methyl-19-nor-vitamin D.sub.3 and their uses **US20067094916 (2006)**.
9. DeLuca, H.F., Sicinski, R.R. Method of locking 1.alpha.-OH of vitamin D compounds in axial orientation **US20067094776 (2006)**.
10. Schlachter, S., Gaudino, J., Burgess, L., Hunt, K. Macrocyclic analogs for the treatment of immunoregulatory disorders and respiratory diseases **WO06078724 (2006)**.
11. Endl, J., Fuentes, M., Graus, Y., Grossmann, A., Neumann, S., Parren, P., Rebers, F., Regula, J., Schumacher, R., Seeber, S., Stracke, J., Stubenrauch, K.-G., Van De Winkel, J., Van Vugt, M., Vereecken-Verploegen, S. Antibodies against IL-13 receptor alpha 1 and uses thereof **WO06072564 (2006)**.
5. Burczynski, M.E., Peterson, R.L., Twine, N.C., Strahs, A., Immermann, F., Schwertschlag, U., Cotreau, M.M., Dörner, A.J. Expression profiles of peripheral blood mononuclear cells for inflammatory bowel diseases **WO06133287 (2006)**.
6. Yedgar, S., Ligumski, M., Krinsky, M. Use of lipid conjugates in the treatment of diseases **US20067141552 (2006)**.
7. Mazar, A.P., Danese, S., Fiocchi, C. Treatment of inflammatory bowel disease (IBD) with anti-angiogenic compounds **WO06124611 (2006)**.
8. Rachmilewitz, D., Raz, E., Katakura, K., Lee, J. Methods of treating, gastrointestinal inflammation **WO06091591 (2006)**.
9. Nathan, C.F., Buck, J., Levin, L.R., Han, H., Novel chemical inhibitors of neutrophil activation through the Sac-dependent pathway **WO06113236 (2006)**.

ALLERGIC INFLAMMATION AND ORAL MUCOSA

1. Xu, W. Anti-II-20, Anti-II-22 And Anti-II-22ra Antibodies and binding partners and methods of using in inflammation **WO06086396 (2006)**.
2. Sun, L., Chen, S., Xia, Z.Q., Jiang, J., Xie, Y., Zhang, J. Compounds for inflammation and immune-related uses **WO06083477 (2006)**.
3. Xie, Y., Sun, L., Chen, S., Jiang, J., Yu, C.-Y. Compounds for inflammation and immune-related uses **WO06081391 (2006)**.
4. Carter, J.S., Obukowicz, M.G., Devadas, B., Talley, J.J., Brown, D.L., Graneto, M.J., Bertenshaw, S.R., Rogier, Jr., D.J., Nagarajan, S.R., Hanau, C.E., Hartmann, S.J., Ludwig, C.L., Metz, S., Korte, D.E., Substituted benzopyran derivatives for the treatment of inflammation **US20067138411 (2006)**.
5. Bachmann, M., Jennings, G., Sonderegger, I. Antigen arrays for treatment of allergic eosinophilic diseases **US20067094409 (2006)**.
6. Hakonarson, H., Gurney, M., Halapi, E. Methods of diagnosis and treatment for asthma, allergic rhinitis and other respiratory diseases based on haplotype association **WO06081555 (2006)**.
7. Mccluskie, M.J., Davis, H. Methods and products for inducing mucosal immunity **EPI733735 (2006)**.
8. Eshdat, Y., Perl, A. Composition for mucosally delivering fruit cell cultures and/or preparations derived therefrom and methods of using same **WO06090388 (2006)**.
9. Petersen, J.S. Combinations of antigen and mucosal binding component for inducing specific immunological tolerance **US20067097845 (2006)**.
10. Heit, M., Benitz, A., Steadman, D., Petrick, D. Transmucosal administration of drug compositions for treating and preventing disorders in animals **WO06089082 (2006)**.

ANTI-TNF AND CROHN'S DISEASE

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2. Blaszczyk, L.C. Monovalent and polyvalent synthetic polysaccharide antigens for immunological intervention in disease **WO06113792 (2006)**.
3. Subasinghe, N.L., Ballentine, S., Travins, J.M., Khalil, E.M., Ali, F., Leonard, K.A., Gushue, J.M., Winters, M.P., Hufnagel, H., Cummings, M.D. Novel thiophene sulfoximines for treating complement-mediated diseases and conditions **WO06101860 (2006)**.
4. Sengupta, S., Sasisekharan, R., Bosques, C.J., Nanocells for diagnosis and treatment of diseases and disorders **WO06099445 (2006)**.

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1. Le, J., Vilcek, J., Daddona, P., Ghayeb, J., Knight, D., Siegel, S. Methods of treating rheumatoid arthritis with anti-TNF antibodies *US20067138118 (2006)*.
2. Le, J., Vilcek, J., Daddona, P., Ghayeb, J., Knight, D., Siegel, S. Methods of treating disseminated intravascular coagulation using anti-TNF antibodies *US20067135178 (2006)*.
3. Le, J., Vilcek, J., Daddona, P., Ghayeb, J., Knight, D., Siegel, S. Methods for treating sarcoidosis using anti-TNF antibodies and fragments thereof *US20067135179 (2006)*.
4. Le, J., Vilcek, J., Daddona, P., Ghayeb, J., Knight, D., Siegel, S. Methods for treating systemic lupus erythematosus using anti-TNF antibodies and fragments thereof *US20067128908 (2006)*.
5. Le, J., Vilcek, J., Daddona, P., Ghayeb, J., Knight, D., Siegel, S., Methods of treating Crohn's disease with anti-TNF antibodies *US20067128907 (2006)*.
6. Okamoto, Y., Kubota, H., Sato, I., Hattori, K., Kanayama, T., Yokoyama, K., Terai, Y., Takeuchi, M. 2-Aminopyridine derivative *EP1736472 (2006)*.
7. Hogarth, P.M., Ramsland, P.A., Bradford, T.M., Farrugia, W., Pietersz, G.A., Sardjono, C.T., Wines, B.D., Crystal structures and models for Fc receptor: Fc complexes and uses thereof *WO06133486 (2006)*.
8. Chandi, A., Keel, T.R., Patel, V.K., Walker, A.L. N-(2, 2-Dimethylpropyl) -6- (3-fluoro-5- ((3-isoxazolylamino) carbonyl) -2-methylphenyl) -3-pyridinecarboxamide *WO06134382 (2006)*.
9. 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)*.
10. Levine, S. Regulators of type-1 tumor necrosis factor receptor and other cytokine receptor shedding *US20067135303 (2006)*.
6. Karras, J.G., Dobie, K.W. Compositions and their uses directed to thymus and activation-regulated chemokine (TARC) *WO06105204 (2006)*.
7. Huang, D.C.S., Willis, S.N., Adams, J.M. Prophylactic and therapeutic agents and uses therefor *WO06099667 (2006)*.
8. Manoharan, M., Xie, J. Oligonucleotides comprising a modified or non-natural nucleobase *WO06093526 (2006)*.
9. Ashton-Rickardt, P.G., Zhang, M. Compositions and methods related to serpins *WO06091773 (2006)*.
10. Karras, J.G., Gregory, S., Crosby, J.R., Wedel, M.K., Tung, D. Compositions and their uses directed to IL-4R alpha *WO06091841 (2006)*.
11. Manoharan, M., Rajeev, K.G., Venkitasamy, K. Single-stranded and double-stranded oligonucleotides comprising a 2-arylpropyl moiety *WO06078278 (2006)*.

TOLL-LIKE RECEPTORS

1. 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)*.
2. Ozaki, Y., Inoue, K., Watson, S.P. Compositions and methods for treating hemostasis disorders associated with CLEC-2 signal transduction *WO06115295 (2006)*.
3. Nakaar, V., Huang Y., Powell T.J. Method to identify polypeptide toll-like receptor (TLR) ligands *WO06083706 (2006)*.
4. Nakaar, V., Huang, Y., Powell, T.J. Novel polypeptide ligands for toll-like receptor 2 (TLR2) *WO06083792 (2006)*.
5. Firat, H., Boisclair, J., Grenet, O., Perentes, E., Schumacher, M.M. Biomarkers for cardiovascular side-effects induced by COX-2 inhibitory compounds *WO06095259 (2006)*.

FEBUXOSTAT AND GOUT

1. Green, C.R., Becker, D.L. Anti-Connexin compounds and uses thereof *WO06134494 (2006)*.
2. Dreyfus, D.H. Nuclease resistant external guide *WO06126982 (2006)*.
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4. Karras, J.G., Crosby, J.R., Monia, B.P., Freier, S.M. Modulation of Stat 6 expression for the treatment of airway hyperresponsiveness *WO06124686 (2006)*.
5. Macina, R.A., Compositions and methods for detection, prognosis and treatment of breast cancer *WO06121991 (2006)*.
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2. Joseph-Ridge, N. Methods for treating nephrolithiasis *WO06121995 (2006)*.
3. Johnson, R.J., Nakagawa, T. Compositions and methods for treatment and prevention of insulin resistance *WO06012438 (2006)*.
4. Kuroita, T., Ojima, M., Ban, J. Benzimidazole derivative and use thereof *WO06107062 (2006)*.
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4. 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)**.
5. Tedder, T.F., Hamaguchi, Y., Gron, H., Yazawa, N. Anti-CD19 antibody therapy for autoimmune disease **WO06121852 (2006)**.
6. Seidman, E.G., Theoret, Y. Methods of optimizing drug therapeutic efficacy for treatment of immune-mediated gastrointestinal disorders **US20067105497 (2006)**.
7. Hinrichs, D.J., Mourich, D.V., Iversen, P.L. Immunomodulating compositions and methods for use in the treatment of human autoimmune diseases, **WO06105479 (2006)**.
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