

GARVAN INSTITUTE PUBLICATIONS 2008

1. Abdipranoto A, Wu S, Stayte S, Vissel B. The role of neurogenesis in neurodegenerative diseases and its implications for therapeutic development. *CNS Neurol Disord Drug Targets* 2008; 7:187-210.
2. Achuthan A, Masendycz P, Lopez JA, Nguyen T, James DE, Sweet MJ, Hamilton JA, Scholz GM. Regulation of the endosomal SNARE protein syntaxin 7 by colony-stimulating factor 1 in macrophages. *Mol Cell Biol* 2008; 28:6149-59.
3. Ahlborg HG, Nguyen ND, Center JR, Eisman JA, Nguyen TV. Incidence and risk factors for low trauma fractures in men with prostate cancer. *Bone* 2008; 43:556-60.
4. Akerfeldt MC, Howes J, Chan JY, Stevens VA, Boubenna N, McGuire HM, King C, Biden TJ, Laybutt DR. Cytokine-induced beta-cell death is independent of endoplasmic reticulum stress signaling. *Diabetes* 2008; 57:3034-44.
5. Anton SD, Martin CK, Redman L, York-Crowe E, Heilbronn LK, Han H, Williamson DA, Ravussin E. Psychosocial and behavioral pre-treatment predictors of weight loss outcomes. *Eat Weight Disord* 2008; 13:30-7.
6. Avery DT, Bryant VL, Ma CS, de Waal Malefyt R, Tangye SG. IL-21-induced isotype switching to IgG and IgA by human naive B cells is differentially regulated by IL-4. *J Immunol* 2008; 181:1767-79.
7. Avery DT, Ma CS, Bryant VL, Santner-Nanan B, Nanan R, Wong M, Fulcher DA, Cook MC, Tangye SG. STAT3 is required for IL-21-induced secretion of IgE from human naive B cells. *Blood* 2008; 112:1784-93.
8. Bao Y, Lopez JA, James DE, Hunziker W. Snapin Interacts with the Exo70 Subunit of the Exocyst and Modulates GLUT4 Trafficking. *J Biol Chem* 2008; 283:324-31.
9. Barton CA, Clark SJ, Hacker NF, O'Brien PM. Epigenetic markers of ovarian cancer. *Adv Exp Med Biol* 2008; 622:35-51.
10. Barton CA, Hacker NF, Clark SJ, O'Brien PM. DNA methylation changes in ovarian cancer: implications for early diagnosis, prognosis and treatment. *Gynecol Oncol* 2008; 109:129-39.
11. Basten A. The evolution of clinical immunology and allergy in Australia. *Immunol Cell Biol* 2008; 86:16-21.
12. Basten A, Fazekas de St Groth B. Special regulatory T-cell review: T-cell dependent suppression revisited. *Immunology* 2008; 123:33-9.
13. Bennett HL, Brummer T, Jeanes A, Yap AS, Daly RJ. Gab2 and Src co-operate in human mammary epithelial cells to promote growth factor independence and disruption of acinar morphogenesis. *Oncogene* 2008; 27:2693-704.
14. Biankin AV, Nguyen NQ, Merrett ND. Post-pancreatectomy management. *Medical Observer* 2008:27-29.
15. Biden TJ, Schmitz-Peiffer C, Burchfield JG, Gurisik E, Cantley J, Mitchell CJ, Carpenter L. The diverse roles of protein kinase C in pancreatic beta-cell function. *Biochem Soc Trans* 2008; 36:916-9.
16. Boey D, Lin S, Enriquez RF, Lee NJ, Slack K, Couzens M, Baldock PA, Herzog H, Sainsbury A. PYY transgenic mice are protected against diet-induced and genetic obesity. *Neuropeptides* 2008; 42:19-30.
17. Bogaerts S, Douglas S, Corlette T, Pau H, Saunders D, McKay S, Oleskevich S. Microsurgical access for cell injection into the mammalian cochlea. *J Neurosci Methods* 2008; 168:156-63.

18. Bolton K, Segal D, McMillan J, Jowett J, Heilbronn L, Abberton K, Zimmet P, Chisholm D, Collier G, Walder K. Decorin is a secreted protein associated with obesity and type 2 diabetes. *Int J Obes (Lond)* 2008; 32:1113-21.
19. Bossen C, Cachero TG, Tardivel A, Ingold K, Willen L, Dobles M, Scott ML, Maquelin A, Belnoue E, Siegrist CA, Chevrier S, Acha-Orbea H, Leung H, Mackay F, Tschopp J, Schneider P. TACI, unlike BAFF-R, is solely activated by oligomeric BAFF and APRIL to support survival of activated B cells and plasmablasts. *Blood* 2008; 111:1004-12.
20. Boyman O, Ramsey C, Kim DM, Sprent J, Surh CD. IL-7/anti-IL-7 mAb complexes restore T cell development and induce homeostatic T Cell expansion without lymphopenia. *J Immunol* 2008; 180:7265-75.
21. Bradbury RA, Samaras K. Antiretroviral therapy and the human immunodeficiency virus--improved survival but at what cost? *Diabetes Obes Metab* 2008; 10:441-50.
22. Brink R, Phan TG, Paus D, Chan TD. Visualizing the effects of antigen affinity on T-dependent B-cell differentiation. *Immunol Cell Biol* 2008; 86:31-9.
23. Brummer T, Larance M, Abreu MT, Lyons RJ, Timpson P, Emmerich CH, Fleuren ED, Lehrbach GM, Schramek D, Guilhaus M, James DE, Daly RJ. Phosphorylation-dependent binding of 14-3-3 terminates signalling by the Gab2 docking protein. *Embo J* 2008; 27:2305-2316.
24. Burt MG, Gibney J, Hoffman DM, Umpleby AM, Ho KK. Relationship between GH-induced metabolic changes and changes in body composition: a dose and time course study in GH-deficient adults. *Growth Horm IGF Res* 2008; 18:55-64.
25. Burt MG, Johannsson G, Umpleby AM, Chisholm DJ, Ho KK. Impact of growth hormone and dehydroepiandrosterone on protein metabolism in glucocorticoid-treated patients. *J Clin Endocrinol Metab* 2008; 93:688-95.
26. Butt AJ. Review of "Tamoxifen and TRAIL synergistically induce apoptosis in breast cancer cells." *Breast Cancer Online* 2008; 11:e4.
27. Butt AJ, Caldon CE, McNeil CM, Swarbrick A, Musgrove EA, Sutherland RL. Cell cycle machinery: links with genesis and treatment of breast cancer. *Adv Exp Med Biol* 2008; 630:189-205.
28. Butt AJ, Sergio CM, Inman CK, Anderson LR, McNeil CM, Russell AJ, Nousch M, Preiss T, Biankin AV, Sutherland RL, Musgrove EA. The estrogen and c-Myc target gene HSPC111 is over-expressed in breast cancer and associated with poor patient outcome. *Breast Cancer Res* 2008; 10:R28.
29. Caldon CE, Lee CS, Sutherland RL, Musgrove EA. Wilms' tumor protein 1: an early target of progesterin regulation in T-47D breast cancer cells that modulates proliferation and differentiation. *Oncogene* 2008; 27:126-38.
30. Caldon CE, Swarbrick A, Lee CS, Sutherland RL, Musgrove EA. The helix-loop-helix protein Id1 requires cyclin D1 to promote the proliferation of mammary epithelial cell acini. *Cancer Res* 2008; 68:3026-36.
31. Calmy A, Carey D, Mallon PW, Wand H, Law M, Cooper DA, Carr A. Early changes in adipokine levels and baseline limb fat may predict HIV lipodystrophy over 2 years following initiation of antiretroviral therapy. *HIV Med* 2008; 9:101-10.
32. Campbell LV. The thrifty gene hypothesis: maybe everyone is right? *Int J Obes (Lond)* 2008; 32:723-4; author reply 725-6.
33. Cao XR, Lill NL, Boase N, Shi PP, Croucher DR, Shan H, Qu J, Sweezer EM, Place T, Kirby PA, Daly RJ, Kumar S, Yang B. Nedd4 controls animal growth by regulating IGF-1 signaling. *Sci Signal* 2008; 1:ra5.
34. Chaganti S, Ma CS, Bell AI, Croom-Carter D, Hislop AD, Tangye SG, Rickinson AB. Epstein-Barr virus persistence in the absence of conventional memory B cells: IgM+IgD+CD27+ B cells harbor the virus in X-linked lymphoproliferative disease patients. *Blood* 2008; 112:672-9.
35. Chang DK, Merrett ND, Biankin AV. Improving outcomes for operable pancreatic cancer: is access to safer surgery the problem? *J Gastroenterol Hepatol* 2008; 23:1036-45.

36. Christ D, Chin JW. Engineering Escherichia coli heat-resistance by synthetic gene amplification. *Protein Eng Des Sel* 2008; 21:121-5.
37. Clarke E, Rahman N, Page N, Rolph MS, Stewart GJ, Jones GJ. Functional characterization of the atopy-associated gene PHF11. *J Allergy Clin Immunol* 2008; 121:1148-1154 e3.
38. Colvin EK, Chang DK, Merrett ND, Kench JG, Biankin AV. Individualizing therapy for pancreatic cancer. *J Gastroenterol Hepatol* 2008; 23:1779-82.
39. Cooper WA, Kohonen-Corish MR, Chan C, Kwun SY, McCaughan B, Kennedy C, Sutherland RL, Lee CS. Prognostic significance of DNA repair proteins MLH1, MSH2 and MGMT expression in non-small-cell lung cancer and precursor lesions. *Histopathology* 2008; 52:613-22.
40. Cooper WA, Kohonen-Corish MR, Zhuang L, McCaughan B, Kennedy C, Screatton G, Sutherland RL, Lee CS. Role and prognostic significance of tumor necrosis factor-related apoptosis-inducing ligand death receptor DR5 in nonsmall-cell lung cancer and precursor lesions. *Cancer* 2008; 113:135-42.
41. Croucher DR, Saunders DN, Lobov S, Ranson M. Revisiting the biological roles of PAI2 (SERPINB2) in cancer. *Nat Rev Cancer* 2008; 8:535-45.
42. Czernichow S, Greenfield JR, Safar ME. Impact of abdominal adiposity on cardiovascular disease predictors: what is the missing link? *Am J Hypertens* 2008; 21:851.
43. Danaher RN, Loomes KM, Leonard BL, Whiting L, Hay DL, Xu LY, Kraegen EW, Phillips AR, Cooper GJ. Evidence that {alpha}-Calcitonin Gene-Related Peptide Is a Neurohormone that Controls Systemic Lipid Availability and Utilization. *Endocrinology* 2008; 149:154-60.
44. Das A, Chang D, Biankin AV, Merrett ND. Pancreatitis following human papillomavirus vaccination. *Med J Aust* 2008; 189:178.
45. Dean B, Karl T, Pavey G, Boer S, Duffy L, Scarr E. Increased levels of serotonin 2A receptors and serotonin transporter in the CNS of neuregulin 1 hypomorphic/mutant mice. *Schizophr Res* 2008; 99:341-9.
46. Deenick EK, Tangye SG. Immunology: Helpful T cells are sticky. *Nature* 2008; 455:745-7.
47. Doyle KL, Karl T, Hort Y, Duffy L, Shine J, Herzog H. Y1 receptors are critical for the proliferation of adult mouse precursor cells in the olfactory neuroepithelium. *J Neurochem* 2008; 105:641-52.
48. Duffy L, Cappas E, Scimone A, Schofield PR, Karl T. Behavioral profile of a heterozygous mutant mouse model for EGF-like domain neuregulin 1. *Behav Neurosci* 2008; 122:748-59.
49. Dufour FD, Baxter AG, Silveira PA. Interactions between B-lymphocytes and type 1 NKT cells in autoimmune diabetes. *J Immunotoxicol* 2008; 5:249-57.
50. Duncan CE, Chetcuti AF, Schofield PR. Coregulation of genes in the mouse brain following treatment with clozapine, haloperidol, or olanzapine implicates altered potassium channel subunit expression in the mechanism of antipsychotic drug action. *Psychiatr Genet* 2008; 18:226-39.
51. Eid JP, Martinez-Arias AM, Robertson H, Hime GR, Dziadek M. The Drosophila STIM1 orthologue, dSTIM, has roles in cell fate specification and tissue patterning. *BMC Dev Biol* 2008; 8:104.
52. Eisman JA. Osteoporosis prevention and treatment in elderly men--a cost-effective strategy. *Nat Clin Pract Endocrinol Metab* 2008; 4:198-9.
53. Eisman JA, Civitelli R, Adami S, Czerwinski E, Recknor C, Prince R, Reginster JY, Zaidi M, Felsenberg D, Hughes C, Mairon N, Masanouskaite D, Reid DM, Delmas PD, Recker RR. Efficacy and tolerability of intravenous ibandronate injections in postmenopausal osteoporosis: 2-year results from the DIVA study. *J Rheumatol* 2008; 35:488-97.
54. Elder GJ. Nephrotic syndrome: don't forget the bones! *Nephrology (Carlton)* 2008; 13:43-4.
55. Famm K, Hansen L, Christ D, Winter G. Thermodynamically stable aggregation-resistant antibody domains through directed evolution. *J Mol Biol* 2008; 376:926-31.

56. Frangioudakis G, Cooney GJ. Acute elevation of circulating fatty acids impairs downstream insulin signalling in rat skeletal muscle in vivo independent of effects on stress signalling. *J Endocrinol* 2008; 197:277-85.
57. Gardam S, Sierro F, Basten A, Mackay F, Brink R. TRAF2 and TRAF3 Signal Adapters Act Cooperatively to Control the Maturation and Survival Signals Delivered to B Cells by the BAFF Receptor. *Immunity* 2008; 28:391-401.
58. Gatt JM, Kuan SA, Dobson-Stone C, Paul RH, Joffe RT, Kemp AH, Gordon E, Schofield PR, Williams LM. Association between BDNF Val66Met polymorphism and trait depression is mediated via resting EEG alpha band activity. *Biol Psychol* 2008; 79:275-84.
59. Gill AJ, Johns AL, Eckstein R, Samra JS, Kaufman A, Chang DK, Merrett ND, Cosman PH, Smith RC, Biankin AV, Kench JG. Synoptic reporting improves histopathological assessment of pancreatic resection specimens. *Pathology* 2008:1-7.
60. Govers R, James DE, Coster AC. High-throughput analysis of the dynamics of recycling cell surface proteins. *Methods Mol Biol* 2008; 440:129-46.
61. Greenfield JR, Campbell LV. Role of the autonomic nervous system and neuropeptides in the development of obesity in humans: targets for therapy? *Curr Pharm Des* 2008; 14:1815-20.
62. Greenfield JR, Moore J, Hill D, Brenner P, Delprado W, Turner J, Taylor J, Campbell L, Wong LY. Cushing's syndrome can precipitate diabetes but mask non-Hodgkin's lymphoma. *Med J Aust* 2008; 188:262.
63. Grey ST. Regulating inflammation: The ying and yang of NF-kappaB activation. *Immunol Cell Biol* 2008; 86:299-300.
64. Groom J, Mackay F. B cells flying solo. *Immunol Cell Biol* 2008; 86:40-6.
65. Grunfeld C, Kotler DP, Arnett DK, Falutz JM, Haffner SM, Hruz P, Masur H, Meigs JB, Mulligan K, Reiss P, Samaras K. Contribution of metabolic and anthropometric abnormalities to cardiovascular disease risk factors. *Circulation* 2008; 118:e20-8.
66. Guerrero-Bosagna CM, Sabat P, Valdovinos FS, Valladares LE, Clark SJ. Epigenetic and phenotypic changes result from a continuous pre and post natal dietary exposure to phytoestrogens in an experimental population of mice. *BMC Physiol* 2008; 8:17.
67. Harmer AR, Chisholm DJ, McKenna MJ, Hunter SK, Ruell PA, Naylor JM, Maxwell LJ, Flack JR. Sprint training increases muscle oxidative metabolism during high-intensity exercise in patients with type 1 diabetes. *Diabetes Care* 2008; 31:2097-102.
68. Heilbronn LK, Campbell LV. Adipose tissue macrophages, low grade inflammation and insulin resistance in human obesity. *Curr Pharm Design* 2008; 14:1225-30.
69. Heiser PW, Cano DA, Landsman L, Kim GE, Kench JG, Klimstra DS, Taketo MM, Biankin AV, Hebrok M. Stabilization of beta-catenin induces pancreas tumor formation. *Gastroenterology* 2008; 135:1288-300.
70. Hill NJ, King C, Flodstrom-Tullberg M. Recent acquisitions on the genetic basis of autoimmune disease. *Front Biosci* 2008; 13:4838-51.
71. Hilton HN, Stanford PM, Harris J, Oakes SR, Kaplan W, Daly RJ, Ormandy CJ. KIBRA interacts with discoidin domain receptor 1 to modulate collagen-induced signalling. *Biochim Biophys Acta - Mol Cell Res* 2008; 1783:383-93.
72. Hinshelwood RA, Clark SJ. Breast cancer epigenetics: normal human mammary epithelial cells as a model system. *J Mol Med* 2008; 86:1315-28.
73. Ho KK. Can a single growth hormone level be used to assess disease activity after treatment of acromegaly? *Nat Clin Pract Endocrinol Metab* 2008; 4:74-5.
74. Ho KKY. Effect of gonadal steroids on growth hormone action. In: Web SM, Chanson P, editors. *A Decade of HypoCCS: The Changing Face of Pituitary Disease*. Bristol UK: BioScientifica LTD; 2008. p. 129-142.
75. Ho LL, Kench JG, Handelsman DJ, Scheffer GL, Stricker PD, Grygiel JG, Sutherland RL, Henshall SM, Allen JD, Horvath LG. Androgen regulation of multidrug resistance-associated protein 4 (MRP4/ABCC4) in prostate cancer. *Prostate* 2008; 68:1421-9.

76. Hocking SL, Chisholm DJ, James DE. Studies of regional adipose transplantation reveal a unique and beneficial interaction between subcutaneous adipose tissue and the intra-abdominal compartment. *Diabetologia* 2008; 51:900-2.
77. Hoehn KL, Hohnen-Behrens C, Cederberg A, Wu LE, Turner N, Yuasa T, Ebina Y, James DE. IRS1-independent defects define major nodes of insulin resistance. *Cell Metab* 2008; 7:421-33.
78. Hokfelt T, Stanic D, Sanford SD, Gatlin JC, Nilsson I, Paratcha G, Ledda F, Fetissov S, Lindfors C, Herzog H, Johansen JE, Ubink R, Pfenninger KH. NPY and its involvement in axon guidance, neurogenesis, and feeding. *Nutrition* 2008; 24:860-8.
79. Hoy AJ, Turner N. New insight into the mechanism by which acute physical exercise ameliorates insulin resistance. *J Physiol* 2008; 586:2251-2.
80. Hubert FX, Kinkel SA, Webster KE, Cannon P, Crewther PE, Proietto AI, Wu L, Heath WR, Scott HS. A specific anti-Aire antibody reveals aire expression is restricted to medullary thymic epithelial cells and not expressed in periphery. *J Immunol* 2008; 180:3824-32.
81. Jones PA, TK A, Baylin SB BS, Berger S, Bernstein BE, Carpten JD, Clark SJ, Costello JF, Doerge RW, Esteller M, Feinberg AP, Gingeras TR, Grealley JM, Henikoff S, Herman JG, Jackson-Grusby L, Jenuwein T, Jirtle RL, Kim YJ, Laird PW, Lim B, Martienssen R, Polyak K, Stunnenberg H, Tlsty TD, Tycko B, Ushijima T, Zhu J, Pirrotta V, Allis CD, Elgin SC, Jones PA, Martienssen R, Rine J, Wu C., American AfCRHETF. Moving AHEAD with an international human epigenome project. *Nature* 2008; 454:711-5.
82. Karl T, Duffy L, Herzog H. Behavioural profile of a new mouse model for NPY deficiency. *Eur J Neurosci* 2008; 28:173-80.
83. Karlstrom H, Brooks WS, Kwok JB, Broe GA, Kril JJ, McCann H, Halliday GM, Schofield PR. Variable phenotype of Alzheimer's disease with spastic paraparesis. *J Neurochem* 2008; 104:573-83.
84. Katsoulotos GP, Qi M, Qi JC, Tanaka K, Hughes WE, Molloy TJ, Adachi R, Stevens RL, Krilis SA. The Diacylglycerol-dependent translocation of ras guanine nucleotide-releasing protein 4 inside a human mast cell line results in substantial phenotypic changes, including expression of interleukin 13 receptor alpha2. *J Biol Chem* 2008; 283:1610-21.
85. Kebede M, Favaloro J, Gunton JE, Laybutt DR, Shaw M, Wong N, Fam BC, Aston-Mourney K, Rantzaou C, Zulli A, Proietto J, Andrikopoulos S. Fructose-1,6-bisphosphatase overexpression in pancreatic beta-cells results in reduced insulin secretion: a new mechanism for fat-induced impairment of beta-cell function. *Diabetes* 2008; 57:1887-95.
86. Kench JG, Cosman PH, Merrett ND, Biankin AV. Pathology and molecular biology of intraductal papillary mucinous neoplasms. In: Lowy AM, Leach SD, Philip PA, editors. *Pancreatic Cancer*. New York: Springer Verlag; 2008. p. 63-64.
87. King C. T helper cell differentiation: IL-21 and T helper cell differentiation: Jack of all trades? *Immunol Cell Biol* 2008; 86:554-6.
88. King C, Tangye SG, Mackay CR. T Follicular Helper (T(FH)) Cells in Normal and Dysregulated Immune Responses. *Annu Rev Immunol* 2008; 26:741-66.
89. Kraegen EW, Cooney GJ. Free fatty acids and skeletal muscle insulin resistance. *Curr Opin Lipidol* 2008; 19:235-41.
90. Kraegen EW, Cooney GJ, Turner N. Muscle insulin resistance: a case of fat overconsumption, not mitochondrial dysfunction. *Proc Natl Acad Sci U S A* 2008; 105:7627-8.
91. Kwok JB, Loy CT, Hamilton G, Lau E, Hallupp M, Williams J, Owen MJ, Broe GA, Tang N, Lam L, Powell JF, Lovestone S, Schofield PR. Glycogen synthase kinase-3beta and tau genes interact in Alzheimer's disease. *Ann Neurol* 2008; 64:446-54.
92. Larance M, Ramm G, James DE. The GLUT4 Code. *Mol Endocrinol* 2008; 22:226-33.
93. Larson-Meyer DE, Newcomer BR, Heilbronn LK, Volaufova J, Smith SR, Alfonso AJ, Lefevre M, Rood JC, Williamson DA, Ravussin E. Effect of 6-month calorie restriction and exercise on serum and liver lipids and markers of liver function. *Obesity (Silver Spring)* 2008; 16:1355-62.
94. Lee H, Whitfeld PL, Mackay CR. Receptors for complement C5a. The importance of C5aR and the enigmatic role of C5L2. *Immunol Cell Biol* 2008; 86:153-60.

95. Lee NJ, Enriquez RF, Boey D, Lin S, Slack K, Baldock PA, Herzog H, Sainsbury A. Synergistic attenuation of obesity by Y2- and Y4-receptor double knockout in ob/ob mice. *Nutrition* 2008; 24:892-9.
96. Lee NJ, Wong IP, Baldock PA, Herzog H. Leptin as an endocrine signal in bone. *Curr Osteoporos Rep* 2008; 6:62-6.
97. Lee P, Campbell LV. Diabetic ketoacidosis: the usual villain or a scapegoat? A novel cause of severe metabolic acidosis in type 1 diabetes. *Diabetes Care* 2008; 31:e13.
98. Lee P, Greenfield JR, Campbell LV. "Mind the gap" when managing ketoacidosis in type 1 diabetes. *Diabetes Care* 2008; 31:e58.
99. Lee P, Jones GR, Center JR. Successful treatment of adult cerebral salt wasting with fludrocortisone. *Arch Intern Med* 2008; 168:325-6.
100. Lee P, Milliken S, Center JR. Hypocalcaemic cardiac failure post BMT secondary to unrecognized vitamin D deficiency. *Bone Marrow Transplant* 2008; 42:363-4.
101. Lee P, Samaras K. Coeliac disease in an Indian patient: an important diagnosis to consider. *Med J Aust* 2008; 189:336-7.
102. Leong RW, Nguyen NQ, Meredith CG, Al-Sohaily S, Kukic D, Delaney PM, Murr ER, Yong J, Merrett ND, Biankin AV. In vivo confocal endomicroscopy in the diagnosis and evaluation of celiac disease. *Gastroenterology* 2008; 135:1870-6.
103. Li H, Heilbronn LK, Hu D, Poynten AM, Blackburn MA, Shirkhedkar DP, Kaplan WH, Kriketos AD, Ye J, Chisholm DJ. Islet-1: a potentially important role for an islet cell gene in visceral fat. *Obesity (Silver Spring)* 2008; 16:356-62.
104. Llado A, Timpson P, Vila de Muga S, Moreto J, Pol A, Grewal T, Daly RJ, Enrich C, Tebar F. Protein Kinase C δ and Calmodulin Regulate Epidermal Growth Factor Receptor Recycling from Early Endosomes through Arp2/3 Complex and Cortactin. *Mol Biol Cell* 2008; 19:17-29.
105. Lloret-Linares C, Greenfield JR, Czernichow S. Effect of weight-reducing agents on glycaemic parameters and progression to Type 2 diabetes: a review. *Diabet Med* 2008; 25:1142-50.
106. Lobov S, Croucher DR, Saunders DN, Ranson M. Plasminogen activator inhibitor type 2 inhibits cell surface associated tissue plasminogen activator in vitro: potential receptor interactions. *Thromb Haemost* 2008; 100:319-29.
107. Lopez JA, Kwan EP, Xie L, He Y, James DE, Gaisano HY. The RalA GTPase Is a Central Regulator of Insulin Exocytosis from Pancreatic Islet Beta Cells. *J Biol Chem* 2008; 283:17939-45.
108. Lovis P, Roggli E, Laybutt DR, Gattesco S, Yang JY, Widmann C, Abderrahmani A, Regazzi R. Alterations in microRNA expression contribute to fatty acid-induced pancreatic beta-cell dysfunction. *Diabetes* 2008; 57:2728-36.
109. Luty AA, Kwok JB, Thompson EM, Blumbergs P, Brooks WS, Loy CT, Dobson-Stone C, Panegyres PK, Hecker J, Nicholson GA, Halliday GM, Schofield PR. Pedigree with frontotemporal lobar degeneration--motor neuron disease and Tar DNA binding protein-43 positive neuropathology: genetic linkage to chromosome 9. *BMC Neurol* 2008; 8:32.
110. Ma CS, Chew GY, Simpson N, Priyadarshi A, Wong M, Grimbacher B, Fulcher DA, Tangye SG, Cook MC. Deficiency of Th17 cells in hyper IgE syndrome due to mutations in STAT3. *J Exp Med* 2008; 205:1551-7.
111. MacArthur DG, Seto JT, Chan S, Quinlan KG, Raftery JM, **Turner N**, Nicholson MD, Kee AJ, Hardeman EC, Gunning PW, **Cooney GJ**, Head SI, Yang N, North KN. An Actn3 knockout mouse provides mechanistic insights into the association between alpha-actinin-3 deficiency and human athletic performance. *Hum Mol Genet* 2008; 17:1076-86.
112. Mackay CR. Moving targets: cell migration inhibitors as new anti-inflammatory therapies. *Nat Immunol* 2008; 9:988-98.
113. Mackay F, Schneider P. TACI, an enigmatic BAFF/APRIL receptor, with new unappreciated biochemical and biological properties. *Cytokine Growth Factor Rev* 2008; 19:263-76.
114. Mallon PW, Sedwell R, Rogers G, Nolan D, Unemori P, Hoy J, Samaras K, Kelleher A, Emery S, Cooper DA, Carr A. Effect of Rosiglitazone on Peroxisome Proliferator-Activated Receptor

- gamma Gene Expression in Human Adipose Tissue Is Limited by Antiretroviral Drug-Induced Mitochondrial Dysfunction. *J Infect Dis* 2008; 198:1794-1803.
115. Marino E, Batten M, Groom J, Walters S, Liuwantara D, Mackay F, Grey ST. Marginal-zone B-cells of nonobese diabetic mice expand with diabetes onset, invade the pancreatic lymph nodes, and present autoantigen to diabetogenic T-cells. *Diabetes* 2008; 57:395-404.
 116. Marino E, Grey ST. A new role for an old player: do B cells unleash the self-reactive CD8+ T cell storm necessary for the development of type 1 diabetes? *J Autoimmun* 2008; 31:301-5.
 117. Meier C, Nguyen TV, Handelsman DJ, Schindler C, Kushnir MM, Rockwood AL, Meikle AW, Center JR, Eisman JA, Seibel MJ. Endogenous sex hormones and incident fracture risk in older men: the dubbo osteoporosis epidemiology study. *Arch Intern Med* 2008; 168:47-54.
 118. Merrett ND, Cosman P, Biankin AV. Education of imaging. Hepatobiliary and pancreatic: iatrogenic hemobilia. *J Gastroenterol Hepatol* 2008; 23:821.
 119. Murphy NC, Scarlett CJ, Kench JG, Sum EY, Segara D, Colvin EK, Susanto J, Cosman PH, Lee CS, Musgrove EA, Sutherland RL, Lindeman GJ, Henshall SM, Visvader JE, Biankin AV. Expression of LMO4 and outcome in pancreatic ductal adenocarcinoma. *Br J Cancer* 2008; 98:537-541.
 120. Musgrove EA, Sergio CM, Anderson LR, Inman CK, McNeil CM, Alles MC, Gardiner-Garden M, Ormandy CJ, Butt AJ, Sutherland RL. Identification of downstream targets of estrogen and c-myc in breast cancer cells. *Adv Exp Med Biol* 2008; 617:445-51.
 121. Musgrove EA, Sergio CM, Loi S, Inman CK, Anderson LR, Alles MC, Pinese M, Caldon CE, Schutte J, Gardiner-Garden M, Ormandy CJ, McArthur G, Butt AJ, Sutherland RL. Identification of functional networks of estrogen- and c-Myc-responsive genes and their relationship to response to tamoxifen therapy in breast cancer. *PLoS ONE* 2008; 3:e2987.
 122. Nelson AE, Ho KK. A robust test for growth hormone doping--present status and future prospects. *Asian J Androl* 2008; 10:416-25.
 123. Nelson AE, Meinhardt U, Hansen JL, Walker IH, Stone G, Howe CJ, Leung KC, Seibel MJ, Baxter RC, Handelsman DJ, Kazlauskas R, Ho KK. Pharmacodynamics of growth hormone abuse biomarkers and the influence of gender and testosterone: a randomized double-blind placebo-controlled study in young recreational athletes. *J Clin Endocrinol Metab* 2008; 93:2213-22.
 124. Ng Y, Ramm G, Lopez JA, James DE. Rapid Activation of Akt2 Is Sufficient to Stimulate GLUT4 Translocation in 3T3-L1 Adipocytes. *Cell Metab* 2008; 7:348-56.
 125. Nguyen ND, Frost SA, Center JR, Eisman JA, Nguyen TV. Development of prognostic nomograms for individualizing 5-year and 10-year fracture risks. *Osteoporos Int* 2008; 19:1431-44.
 126. Nguyen NK, Sartori SB, Herzog H, Tasan R, Sperk G, Singewald N. Effect of neuropeptide Y Y2 receptor deletion on emotional stress-induced neuronal activation in mice. *Synapse* 2008; 63:236-246.
 127. Nguyen TV, Center JR, Eisman JA. Pharmacogenetics of osteoporosis and the prospect of individualized prognosis and individualized therapy. *Curr Opin Endocrinol Diabetes Obes* 2008; 15:481-8.
 128. Nguyen TV, Nelson AE, Howe CJ, Seibel MJ, Baxter RC, Handelsman DJ, Kazlauskas R, Ho KK. Within-subject variability and analytic imprecision of insulinlike growth factor axis and collagen markers: implications for clinical diagnosis and doping tests. *Clin Chem* 2008; 54:1268-76.
 129. Nossent JC, Lester S, Zahra D, Mackay CR, Rischmueller M. Polymorphism in the 5' regulatory region of the B-lymphocyte activating factor gene is associated with the Ro/La autoantibody response and serum BAFF levels in primary Sjogren's syndrome. *Rheumatology (Oxford)* 2008; 47:1311-6.
 130. O'Brien PM, Davies MJ, Scurry JP, Smith AN, Barton CA, Henderson MJ, Saunders DN, Gloss BS, Patterson KI, Clancy JL, Heinzelmann-Schwarz VA, Scolyer RA, Zeng Y, Williams ED, Scurr L, Defazio A, Quinn DI, Watts CK, Hacker NF, Henshall SM, Sutherland RL. The E3

- ubiquitin ligase EDD is an adverse prognostic factor for serous epithelial ovarian cancer and modulates cisplatin resistance in vitro. *Br J Cancer* 2008; 98:1085-93.
131. Oakes SR, Naylor MJ, Asselin-Labat ML, Blazek KD, Gardiner-Garden M, Hilton HN, Kazlauskas M, Pritchard MA, Chodosh LA, Pfeffer PL, Lindeman GJ, Visvader JE, Ormandy CJ. The Ets transcription factor Elf5 specifies mammary alveolar cell fate. *Genes Dev* 2008; 22:581-6.
 132. Oakes SR, Rogers RL, Naylor MJ, Ormandy CJ. Prolactin regulation of mammary gland development. *J Mammary Gland Biol Neoplasia* 2008; 13:13-28.
 133. Ormandy CJ. Prolactin Receptor. *Current Biodata - Target Protein Database* 2008.
 134. Painsipp E, Herzog H, Holzer P. Implication of neuropeptide-Y Y2 receptors in the effects of immune stress on emotional, locomotor and social behavior of mice. *Neuropharmacology* 2008; 55:117-26.
 135. Painsipp E, Wultsch T, Edelsbrunner ME, Tasan RO, Singewald N, Herzog H, Holzer P. Reduced anxiety-like and depression-related behavior in neuropeptide Y Y4 receptor knockout mice. *Genes Brain Behav* 2008; 7:532-42.
 136. Palendira U, Chinn R, Raza W, Piper K, Pratt G, Machado L, Bell A, Khan N, Hislop AD, Steyn R, Rickinson AB, Buckley CD, Moss P. Selective accumulation of virus-specific CD8+ T cells with unique homing phenotype within the human bone marrow. *Blood* 2008; 112:3293-302.
 137. Pedersen DJ, Lessard SJ, Coffey VG, Churchley EG, Wootton AM, Ng T, Watt MJ, Hawley JA. High rates of muscle glycogen resynthesis after exhaustive exercise when carbohydrate is coingested with caffeine. *J Appl Physiol* 2008; 105:7-13.
 138. Petersen DC, Severi G, Hoang HN, Padilla EJ, Southey MC, English DR, Hopper JL, Giles GG, Hayes VM. No association between common chemokine and chemokine receptor gene variants and prostate cancer risk. *Cancer Epidemiol Biomarkers Prev* 2008; 17:3615-7.
 139. Polkinghorne E, Lau Q, Cooney GJ, Kraegen EW, Cleasby ME. Local activation of the I{kappa}K-NF- κ B pathway in muscle does not cause insulin resistance. *Am J Physiol Endocrinol Metab* 2008; 294:E316-E325.
 140. Ramanathan P, Martin IC, Gardiner-Garden M, Thomson PC, Taylor RM, Ormandy CJ, Moran C, Williamson P. Transcriptome analysis identifies pathways associated with enhanced maternal performance in QSi5 mice. *BMC Genomics* 2008; 9:197.
 141. Ramsey C, Rubinstein MP, Kim DM, Cho JH, Sprent J, Surh CD. The lymphopenic environment of CD132 (common gamma-chain)-deficient hosts elicits rapid homeostatic proliferation of naive T cells via IL-15. *J Immunol* 2008; 180:5320-6.
 142. Rittirsch D, Flierl MA, Nadeau BA, Day DE, Huber-Lang M, Mackay CR, Zetoune FS, Gerard NP, Cianflone K, Kohl J, Gerard C, Sarma JV, Ward PA. Functional roles for C5a receptors in sepsis. *Nat Med* 2008; 14:551-7.
 143. Rosen DB, Cao W, Avery DT, Tangye SG, Liu YJ, Houchins JP, Lanier LL. Functional consequences of interactions between human NKR-P1A and its ligand LLT1 expressed on activated dendritic cells and B cells. *J Immunol* 2008; 180:6508-17.
 144. Sakko AJ, Butler MS, Byers S, Reinboth BJ, Stahl J, Kench JG, Horvath LG, Sutherland RL, Stricker PD, Henshall SM, Marshall VR, Tilley WD, Horsfall DJ, Ricciardelli C. Immunohistochemical level of unsulfated chondroitin disaccharides in the cancer stroma is an independent predictor of prostate cancer relapse. *Cancer Epidemiol Biomarkers Prev* 2008; 17:2488-97.
 145. Samaras K. Metabolic consequences and therapeutic options in highly active antiretroviral therapy in human immunodeficiency virus-1 infection. *J Antimicrob Chemother* 2008; 61:238-45.
 146. Samaras K. HIV, insulin resistance and cardiovascular disease. *Current Cardiovascular Risk Reports* 2008; 3:59-64.
 147. Samra JS, Biankin AV, Merrett ND. Role of endoscopic ultrasound in the management of pancreatic lesions. *ANZ J Surg* 2008; 78:315-6; author reply 316-7.
 148. Sasaki Y, Calado DP, Derudder E, Zhang B, Shimizu Y, Mackay F, Nishikawa S, Rajewsky K, Schmidt-Suppran M. NIK overexpression amplifies, whereas ablation of its TRAF3-binding

- domain replaces BAFF:BAFF-R-mediated survival signals in B cells. *Proc Natl Acad Sci U S A* 2008; 105:10883-8.
149. Schmitz-Peiffer C, Biden TJ. Protein kinase C function in muscle, liver, and beta-cells and its therapeutic implications for type 2 diabetes. *Diabetes* 2008; 57:1774-83.
 150. Seng TJ, Currey N, Cooper WA, Lee CS, Chan C, Horvath L, Sutherland RL, Kennedy C, McCaughan B, Kohonen-Corish MR. DLEC1 and MLH1 promoter methylation are associated with poor prognosis in non-small cell lung carcinoma. *Br J Cancer* 2008; 99:375-82.
 151. Severi G, Hayes VM, Tesoriero AA, Southey MC, Hoang HN, Padilla EJ, Morris HA, English DR, Sutherland RL, Boyle P, Hopper JL, Giles GG. The rs743572 common variant in the promoter of CYP17A1 is not associated with prostate cancer risk or circulating hormonal levels. *BJU Int* 2008; 101:492-6.
 152. Shum BO, Rolph MS, Sewell WA. Mechanisms in allergic airway inflammation - lessons from studies in the mouse. *Expert Rev Mol Med* 2008; 10:e15.
 153. Sims AM, Shephard N, Carter K, Doan T, Dowling A, Duncan EL, Eisman J, Jones G, Nicholson G, Prince R, Seeman E, Thomas G, Wass JA, Brown MA. Genetic analyses in a sample of individuals with high or low BMD shows association with multiple Wnt pathway genes. *J Bone Miner Res* 2008; 23:499-506.
 154. Sonderegger I, Kisielow J, Meier R, King C, Kopf M. IL-21 and IL-21R are not required for development of Th17 cells and autoimmunity in vivo. *Eur J Immunol* 2008; 38:1833-8.
 155. Sprent J, Cho JH. Self/non-self discrimination and the problem of keeping T cells alive. *Immunol Cell Biol* 2008; 86:54-6.
 156. Sprent J, Cho JH, Boyman O, Surh CD. T cell homeostasis. *Immunol Cell Biol* 2008; 86:312-9.
 157. Stanic D, Paratcha G, Ledda F, Herzog H, Kopin AS, Hokfelt T. Peptidergic influences on proliferation, migration, and placement of neural progenitors in the adult mouse forebrain. *Proc Natl Acad Sci U S A* 2008; 105:3610-5.
 158. Stockli J, Davey JR, Hohnen-Behrens C, Xu A, James DE, Ramm G. Regulation of Glut4 Translocation by the Rabgap As160/Tbc1d4. Role of Phosphorylation and Membrane Association. *Mol Endocrinol* 2008; 22:2703-2715.
 159. Stone ML, Walker JL, Chisholm D, Craig ME, Donaghue KC, Crock P, Anderson D, Verge CF. The addition of rosiglitazone to insulin in adolescents with type 1 diabetes and poor glycaemic control: a randomized-controlled trial. *Pediatr Diabetes* 2008; 9:326-34.
 160. Styrkarsdottir U, Halldorsson BV, Gretarsdottir S, Gudbjartsson DF, Walters GB, Ingvarsson T, Jonsdottir T, Saemundsdottir J, Center JR, Nguyen TV, Bagger Y, Gulcher JR, Eisman JA, Christiansen C, Sigurdsson G, Kong A, Thorsteinsdottir U, Stefansson K. Multiple genetic loci for bone mineral density and fractures. *N Engl J Med* 2008; 358:2355-65.
 161. Su YC, Rolph MS, Hansbro NG, Mackay CR, Sewell WA. Granulocyte-macrophage colony-stimulating factor is required for bronchial eosinophilia in a murine model of allergic airway inflammation. *J Immunol* 2008; 180:2600-7.
 162. Sue N, Jack BH, Eaton SA, Pearson RC, Funnell AP, Turner J, Czolij R, Denyer G, Bao S, Molero-Navajas JC, Perkins A, Fujiwara Y, Orkin SH, Bell-Anderson K, Crossley M. Targeted disruption of the basic Kruppel-like factor gene (Klf3) reveals a role in adipogenesis. *Mol Cell Biol* 2008; 28:3967-78.
 163. Sutherland RL, Sergio CM, Anderson LR, Inman CK, Butt AJ, Musgrove EA. Estrogens, cell proliferation and breast cancer. In: Melmed S, Rochefort H, Chanson P, Christen Y, editors. *Research and Perspectives in Endocrine Interactions: Hormonal Control of Cell Cycle*. Berlin Heidelberg: Springer-Verlag; 2008. p. 123-138.
 164. Suttor VP, Biankin AV, Chin WK, Chow C, Biankin SA, Merrett ND, Alrubaie A. Pancreatic anomaly with multiple endocrine neoplasia type 1: a case of pancreas divisum and hemosuccus pancreaticus (santorinorrhage). *Pancreas* 2008; 36:314-5.
 165. Swarbrick A. Review of: Tumour invasion and metastasis initiated by microRNA-10b in breast cancer. *Breast Cancer Online* 2008; 11.

166. Swarbrick A, Roy E, Allen T, Bishop JM. Id1 cooperates with oncogenic Ras to induce metastatic mammary carcinoma by subversion of the cellular senescence response. *Proc Natl Acad Sci U S A* 2008; 105:5402-7.
167. Tan MJ, Ye JM, Turner N, Hohnen-Behrens C, Ke CQ, Tang CP, Chen T, Weiss HC, Gesing ER, Rowland A, James DE, Ye Y. Antidiabetic activities of triterpenoids isolated from bitter melon associated with activation of the AMPK pathway. *Chem Biol* 2008; 15:263-73.
168. Tran BN, Nguyen ND, Eisman JA, Nguyen TV. Association between LRP5 polymorphism and bone mineral density: a Bayesian meta-analysis. *BMC Med Genet* 2008; 9:55.
169. Trapp EG, Chisholm DJ, Freund J, Boutcher SH. The effects of high-intensity intermittent exercise training on fat loss and fasting insulin levels of young women. *Int J Obes (Lond)* 2008; 32:684-91.
170. Tumes DJ, Wong AC, Sewell WA, McColl SR, Connolly A, Dent LA. Differential rates of apoptosis and recruitment limit eosinophil accumulation in the lungs of asthma-resistant CBA/Ca mice. *Mol Immunol* 2008; 45:3609-17.
171. Turner N, Heilbronn LK. Is mitochondrial dysfunction a cause of insulin resistance? *Trends Endocrinol Metab* 2008; 19:324-30.
172. Turner N, Li JY, Gosby A, To SW, Cheng Z, Miyoshi H, Taketo MM, Cooney GJ, Kraegen EW, James DE, Hu LH, Li J, Ye JM. Berberine and its more biologically available derivative, dihydroberberine, inhibit mitochondrial respiratory complex I: a mechanism for the action of berberine to activate AMP-activated protein kinase and improve insulin action. *Diabetes* 2008; 57:1414-8.
173. van der Poorten D, Milner KL, Hui J, Hodge A, Trenell MI, Kench JG, London R, Peduto T, Chisholm DJ, George J. Visceral fat: a key mediator of steatohepatitis in metabolic liver disease. *Hepatology* 2008; 48:449-57.
174. Viardot A, Heilbronn LK, Herzog H, Gregersen S, Campbell LV. Abnormal postprandial PYY response in insulin sensitive nondiabetic subjects with a strong family history of type 2 diabetes. *Int J Obes (Lond)* 2008; 32:943-8.
175. Vince JE, Chau D, Callus B, Wong WW, Hawkins CJ, Schneider P, McKinlay M, Benetatos CA, Condon SM, Chundururu SK, Yeoh G, Brink R, Vaux DL, Silke J. TWEAK-FN14 signaling induces lysosomal degradation of a cIAP1-TRAF2 complex to sensitize tumor cells to TNFalpha. *J Cell Biol* 2008; 182:171-84.
176. Vogelzang A, King C. The modulatory capacity of interleukin-21 in the pathogenesis of autoimmune disease. *Front Biosci* 2008; 13:5304-15.
177. Vogelzang A, McGuire HM, Yu D, Sprent J, Mackay CR, King C. A fundamental role for interleukin-21 in the generation of T follicular helper cells. *Immunity* 2008; 29:127-37.
178. Wadley GD, Siebel AL, Cooney GJ, McConell GK, Wlodek ME, Owens JA. Uteroplacental insufficiency and reducing litter size alters skeletal muscle mitochondrial biogenesis in a sex-specific manner in the adult rat. *Am J Physiol Endocrinol Metab* 2008; 294:E861-9.
179. Walsh JP, Attewell R, Stuckey BG, Hooper MJ, Wark JD, Fletcher S, Ferrari V, Eisman JA. Treatment of Paget's disease of bone: a survey of clinical practice in Australia. *Bone* 2008; 42:1219-25.
180. Wang Y, Dean JL, Millar EK, Tran TH, McNeil CM, Burd CJ, Henshall SM, Utama FE, Witkiewicz A, Rui H, Sutherland RL, Knudsen KE, Knudsen ES. Cyclin D1b is aberrantly regulated in response to therapeutic challenge and promotes resistance to estrogen antagonists. *Cancer Res* 2008; 68:5628-38.
181. Watt MJ, van Denderen BJ, Castelli LA, Bruce CR, Hoy AJ, Kraegen EW, Macaulay L, Kemp BE. Adipose triglyceride lipase regulation of skeletal muscle lipid metabolism and insulin responsiveness. *Mol Endocrinol* 2008; 22:1200-12.
182. Wong IP, Zengin A, Herzog H, Baldock PA. Central regulation of bone mass. *Semin Cell Dev Biol* 2008; 19:452-8.
183. Yazdi M, Ahnmark A, William-Olsson L, Snaith M, Turner N, Osla F, Wedin M, Asztely AK, Elmgren A, Bohlooly YM, Schreyer S, Linden D. The role of mitochondrial glycerol-3-phosphate

- acyltransferase-1 in regulating lipid and glucose homeostasis in high-fat diet fed mice. *Biochem Biophys Res Commun* 2008; 369:1065-70.
184. Ye J, Kraegen T. Insulin resistance: central and peripheral mechanisms. The 2007 Stock Conference Report. *Obes Rev* 2008; 9:30-4.
 185. Yip MF, Ramm G, Larance M, Hoehn KL, Wagner MC, Guilhaus M, James DE. CaMKII-mediated phosphorylation of the myosin motor Myo1c is required for insulin-stimulated GLUT4 translocation in adipocytes. *Cell Metab* 2008; 8:384-98.
 186. Youn DH, Royle G, Kolaj M, Vissel B, Randic M. Enhanced LTP of primary afferent neurotransmission in AMPA receptor GluR2-deficient mice. *Pain* 2008; 136:158-67.