

Basic science: (JULY 2007)

1. Barrett A, Santangelo S, Tan K, Catchpole S, Roberts K, Spencer-Dene B, Hall D, Scibetta A, Burchell J, Verdin E, Freemont P, Taylor-Papadimitriou J. Breast cancer associated transcriptional repressor PLU-1/JARID1B interacts directly with histone deacetylases. *Int J Cancer* 2007; **121**: 265–275.
2. Bergman I, Griffin JA, Gao YH, Whitaker-Dowling P. Treatment of implanted mammary tumors with recombinant vesicular stomatitis virus targeted to Her2/neu. *Int J Cancer* 2007; **121**: 425–430.
3. Bocca C, Bozzo F, Francica S, Colombatto S, Miglietta A. Involvement of PPAR γ and E-cadherin/ β -catenin pathway in the antiproliferative effect of conjugated linoleic acid in MCF-7 cells. *Int J Cancer* 2007; **121**: 248–256.
4. Budhram-Mahadeo VS, Irshad S, Bowen S, Lee SA, Samady L, Tonini GP, Latchman DS. Proliferation-associated Brn-3b transcription factor can activate cyclin D1 expression in neuroblastoma and breast cancer cells. *Oncogene*: 10.1038/sj.onc.1210621.
5. Bultman SJ, Herschkowitz JI, Godfrey V, Gebuhr TC, Yaniv M, Perou CM, Magnuson T. Characterization of mammary tumors from Brg1 heterozygous mice. *Oncogene*: 10.1038/sj.onc.1210664.
6. Cascio S, Bartella V, Auriemma A, Johannes GJ, Russo A, Giordano A, Surmacz E. Mechanism of leptin expression in breast cancer cells: role of hypoxia-inducible factor-1 α . *Oncogene*: 10.1038/sj.onc.1210660.
7. Chang TW, Chen CC, Chen KY, Su JH, Chang JH, Chang MC. Ribosomal phosphoprotein P0 interacts with GCIP and overexpression of P0 is associated with cellular proliferation in breast and liver carcinoma cells. *Oncogene*: 10.1038/sj.onc.1210651.
8. Chen CS, Zhou ZM, Ross JS, Zhou W, Dong JT. The amplified WWP1 gene is a potential molecular target in breast cancer. *Int J Cancer* 2007; **121**: 80–87.
9. Elsheikh S, Green A, Aleskandarany M, Grainge M, Paish C, Lambros M, Reis-Filho J, Ellis I. CCND1 amplification and cyclin D1 expression in breast cancer and their relation with proteomic subgroups and patient outcome. *Breast Cancer Res Treat*: 10.1007/s10549-007-9659-8.
10. Feng YM, Sun BC, Li XQ, Zhang L, Niu Y, Xiao CH, Ning LS, Fang Z, Wang YL, Zhang LN, Cheng J, Zhang W, Hao XS. Differentially expressed genes between primary cancer and paired lymph node metastases predict clinical outcome of node-positive breast cancer patients. *Breast Cancer Res Treat* 2007; **103**: 319–329.
11. Hao L, ElShamy WM. BRCA1-IRIS activates cyclin D1 expression in breast cancer cells by downregulating the JNK phosphatase DUSP3/VHR. *Int J Cancer* 2007; **121**: 39–46.
12. Hatsell S, Frost A. Hedgehog Signaling in Mammary Gland Development and Breast Cancer. *J Mammary Gland Biol Neoplasia* 2007; **12**: 163–173.
13. John EM, Phipps AI, Knight JA, Milne RL, Dite GS, Hopper JL, Andrulis IL, Southey M, Giles GG, West DW, Whittemore AS. Medical radiation exposure and breast cancer risk: findings from the Breast Cancer Family Registry. *Int J Cancer* 2007; **121**: 386–394.
14. Katz M, Amit I, Citri A, Shay T, Carvalho S, Lavi S, Milanezi F, Lyass L, Amariglio N, Jacob-Hirsch J, Ben-Chetrit N, Tarcic G, Lindzen M, Avraham R, Liao YC, Trusk P, Lyass A, Rechavi G, Spector NL, Lo SH, Schmitt F, Bacus SS, Yarden Y. A reciprocal tensin-3-cten switch mediates EGF-driven mammary cell migration. *Nat Cell Biol* 2007; **9**: 961–969.
15. Lien HC, Hsiao YH, Lin YS, Yao YT, Juan HF, Kuo WH, Hung MC, Chang KJ, Hsieh FJ. Molecular signatures of metaplastic carcinoma of the breast by large-scale transcriptional profiling: identification of genes potentially related to epithelial-mesenchymal transition. *Oncogene*: 10.1038/sj.onc.1210593.
16. Liu X, Holstege H, van der Gulden H, Treur-Mulder M, Zevenhoven J, Velds A, Kerkhoven RM, van Vliet MH, Wessels LFA, Peterse JL,

- Berns A, Jonkers J. Somatic loss of BRCA1 and p53 in mice induces mammary tumors with features of human BRCA1-mutated basal-like breast cancer. *Proc Natl Acad Sci USA* 2007; **104**: 12111–12116.
17. Marangoni E, Vincent-Salomon A, Auger N, Degeorges A, Assayag F, de Cremoux P, De Plater L, Guyader C, De Pinieux G, Judde JG, Rebucci M, Tran-Perennou C, Sastre-Garau X, Sigal-Zafrani B, Delattre O, Dieras V, Poupon MF. A new model of patient tumor-derived breast cancer xenografts for preclinical assays. *Clin Cancer Res* 2007; **13**: 3989–3998.
 18. Masciari S, Larsson N, Senz J, Boyd N, Kaurah P, Kandel MJ, Harris LN, Pinheiro HC, Troussard A, Miron P, Tung N, Oliveira C, Collins L, Schnitt S, Garber JE, Huntsman D. Germline E-Cadherin mutations in familial lobular breast cancer. *J Med Genet*: 10.1136/jmg.2007.051268.
 19. Muss HB, Bunn JY, Crocker A, Plaut K, Koh J, Heintz N, Rincon M, Weaver DL, Tam D, Beatty B, Kaufman P, Donovan M, Verbel D, Weiss L. Cyclin D-1, interleukin-6, HER-2/neu, transforming growth factor receptor-II and prediction of relapse in women with early stage, hormone receptor-positive breast cancer treated with tamoxifen. *Breast J* 2007; **13**: 337–345.
 20. Pierce JP, Natarajan L, Caan BJ, Parker BA, Greenberg ER, Flatt SW, Rock CL, Kealey S, Al-Delaiimy WK, Bardwell WA, Carlson RW, Emond JA, Faerber S, Gold EB, Hajek RA, Hollenbach K, Jones LA, Karanja N, Madlensky L, Marshall J, Newman VA, Ritenbaugh C, Thomson CA, Wasserman L, Stefanick ML. Influence of a diet very high in vegetables, fruit, and fiber and low in fat on prognosis following treatment for breast cancer—the Women’s Healthy Eating and Living (WHEL) Randomized Trial. *JAMA* 2007; **298**: 289–298.
 21. Rodriguez V, Chen YD, Elkahloun A, Dutra A, Pak E, Chandrasekharappa S. Chromosome 8 BAC array comparative genomic hybridization and expression analysis identify amplification and overexpression of TRMT12 in breast cancer. *Genes Chromosomes Cancer* 2007; **46**: 694–707.
 22. Rottenberg S, Nygren AOH, Pajic M, van Leeuwen FWB, van der Heijden I, van de Wetering K, Liu X, de Visser KE, Gilhuijs KG, van Tellingen O, Schouten JP, Jonkers J, Borst P. Selective induction of chemotherapy resistance of mammary tumors in a conditional mouse model for hereditary breast cancer. *Proc Natl Acad Sci USA* 2007; **104**: 12117–12122.
 23. Sahlin P, Windh P, Lauritzen C, Ernanuelsson M, Gronberg H, Stenman G. Women with Saethre-Chotzen syndrome are at increased risk of breast cancer. *Genes Chromosomes Cancer* 2007; **46**: 656–660.
 24. Shen Q, Uray IP, Li Y, Krisko TI, Strecker TE, Kim HT, Brown PH. The AP-1 transcription factor regulates breast cancer cell growth via cyclins and E2F factors. *Oncogene*: 10.1038/sj.onc.1210643.
 25. Veeck J, Chorovicer M, Naami A, Breuer E, Zafrakas M, Bektas N, Duerst M, Kristiansen G, Wild PJ, Hartmann A, Knuechel R, Dahl E. The extracellular matrix protein ITIH5 is a novel prognostic marker in invasive node-negative breast cancer and its aberrant expression is caused by promoter hypermethylation. *Oncogene*: 10.1038/sj.onc.1210669.
 26. Wang LH, Chan JLK, Li W. Rapamycin together with herceptin significantly increased anti-tumor efficacy compared to either alone in ErbB2 over expressing breast cancer cells. *Int J Cancer* 2007; **121**: 157–164.
 27. Zwart W, Griekspoor A, Berno V, Lakeman K, Jalink K, Mancini M, Neeffjes J, Michalides R. PKA-induced resistance to tamoxifen is associated with an altered orientation of ER α towards co-activator SRC-1. *EMBO J* 2007; **26**: 3534–3544.

Prepared by
R Sutherland
Cancer Research Program
Garvan Institute of Medical Research
Darlinghurst, NSW, Australia