
7 LITERATURLISTE

- Arlinghaus RB. Bcr: a negative regulator of the Bcr-Abl oncoprotein in leukemia. *Oncogene*. 2002 Dec 9; 21(56):8560-7.
- Barker N, Hurlstone A, Musisi H, Miles A, Bienz M, Clevers H. The chromatin remodelling factor Brg-1 interacts with beta-catenin to promote target gene activation. *EMBO J*. 2001 Sep 3;20(17):4935-43.
- Behrens J, Jerchow BA, Wurtele M, Grimm J, Asbrand C, Wirtz R, Kuhl M, Wedlich D, Birchmeier W. Functional interaction of an axin homolog, conductin, with beta-catenin, APC, and GSK3beta. *Science*. 1998 Apr 24;280(5363):596-9.
- Bettler B, Kaupmann K, Bowery N. GABAB receptors: drugs meet clones. *Curr Opin Neurobiol*. 1998 Jun; 8(3):345-50.
- Bienz M, Clevers H. Linking colorectal cancer to Wnt signaling. *Cell*. 2000 Oct 13;103(2):311-20.
- Bilder D, Schober M, Perrimon N. Integrated activity of PDZ protein complexes regulates epithelial polarity. *Nat Cell Biol*. 2003 Jan;5(1):53-8.
- Birrane G, Chung J, Ladas JA. Novel mode of ligand recognition by the Erbin PDZ domain. *J Biol Chem*. 2003 Jan 17;278(3):1399-402.
- Borg JP, Marchetto S, Le Bivic A, Ollendorff V, Jaulin-Bastard F, Saito H, Fournier E, Adelaide J, Margolis B, Birnbaum D. ERBIN: a basolateral PDZ protein that interacts with the mammalian ERBB2/HER2 receptor. *Nat Cell Biol*. 2000 Jul;2(7):407-14.
- Brabletz T, Jung A, Kirchner T. Beta-catenin and the morphogenesis of colorectal cancer. *Virchows Arch*. 2002 Jul;441(1):1-11. Epub 2002 Apr 27.
- Brabletz T. [The Rudolf Virchow Prize 2001. The role of the oncoprotein beta-catenin in the progression of colorectal cancers] *Verh Dtsch Ges Pathol*. 2001;85:243-9.
- Brabletz T, Jung A, Dag S, Hlubek F, Kirchner T. beta-catenin regulates the expression of the matrix metalloproteinase-7 in human colorectal cancer. *Am J Pathol*. 1999 Oct;155(4):1033-8.
- Brannon M, Brown JD, Bates R, Kimelman D, Moon RT. XctBP is a XTcf-3 co-repressor with roles throughout *Xenopus* development. *Development*. 1999 Jun;126(14):3159-70.
- Brantjes H, Roose J, van De Wetering M, Clevers H. All Tcf HMG box transcription factors interact with Groucho-related co-repressors. *Nucleic Acids Res*. 2001 Apr 1;29(7):1410-9.
- O'Brien RJ, Lau LF, Haganir RL. Molecular mechanisms of glutamate receptor clustering at excitatory synapses. *Curr Opin Neurobiol*. 1998 Jun;8(3):364-9.
- Bruckner K, Pablo Labrador J, Scheiffele P, Herb A, Seeburg PH, Klein R. EphrinB ligands recruit GRIP family PDZ adaptor proteins into raft membrane microdomains. *Neuron*. 1999 Mar;22(3):511-24.
- Bruhn L, Mummerlyn A, Grosschedl R. ALY, a context-dependent coactivator of LEF-1 and AML-1, is required for TCRalpha enhancer function. *Genes Dev*. 1997 Mar 1;11(5):640-53.
- Cadigan KM, Nusse R. Wnt signaling: a common theme in animal development. *Genes Dev*. 1997 Dec 15; 11(24):3286-305.

- Campbell ML, Arlinghaus RB. Current status of the BCR gene and its involvement with human leukemia. *Adv Cancer Res.* 1991;57:227-56.
- Campbell ML, Li W, Arlinghaus RB. P210 BCR-ABL is complexed to P160 BCR and ph-P53 proteins in K562 cells. *Oncogene.* 1990 May;5(5):773-6.
- Carlsson P, Waterman ML, Jones KA. The hLEF/TCF-1 alpha HMG protein contains a context-dependent transcriptional activation domain that induces the TCF alpha enhancer in T cells. *Genes Dev.* 1993 Dec; 7(12A):2418-30
- Castrop J, van Wichen D, Koomans-Bitter M, van de Wetering M, de Weger R, van Dongen J, Clevers H. The human TCF-1 gene encodes a nuclear DNA-binding protein uniquely expressed in normal and neoplastic T-lineage lymphocytes. *Blood.* 1995 Oct 15;86(8):3050-9.
- Chan EF, Gat U, McNiff JM, Fuchs E. A common human skin tumour is caused by activating mutations in beta-catenin. *Nat Genet.* 1999 Apr;21(4):410-3.
- Chen G, Courey AJ. Groucho/TLE family proteins and transcriptional repression. *Gene.* 2000 May 16; 249(1-2):1-16.
- Chinnadurai G. CtBP, an unconventional transcriptional corepressor in development and oncogenesis. *Mol Cell.* 2002 Feb;9(2):213-24.
- Cho KO, Hunt CA, Kennedy MB. The rat brain postsynaptic density fraction contains a homolog of the *Drosophila* discs-large tumor suppressor protein. *Neuron.* 1992 Nov;9(5):929-42.
- Claret FX, Hibi M, Dhut S, Toda T, Karin M. A new group of conserved coactivators that increase the specificity of AP-1 transcription factors. *Nature.* 1996 Oct 3;383(6599):453-7.
- Conacci-Sorrell ME, Ben-Yedidia T, Shtutman M, Feinstein E, Einat P, Ben-Ze'ev A. Nr-CAM is a target gene of the beta-catenin/LEF-1 pathway in melanoma and colon cancer and its expression enhances motility and confers tumorigenesis. *Genes Dev.* 2002 Aug 15;16(16):2058-72.
- Cope GA, Suh GS, Aravind L, Schwarz SE, Zipursky SL, Koonin EV, Deshaies RJ. Role of predicted metalloprotease motif of Jab1/Csn5 in cleavage of Nedd8 from Cull1. *Science.* 2002 Oct 18;298(5593):608-11. Epub 2002 Aug 15.
- Cowin P. Unraveling the cytoplasmic interactions of the cadherin superfamily. *Proc Natl Acad Sci U S A.* 1994 Nov 8;91(23):10759-61.
- Crawford HC, Fingleton BM, Rudolph-Owen LA, Goss KJ, Rubinfeld B, Polakis P, Matrisian LM. The metalloproteinase matrilysin is a target of beta-catenin transactivation in intestinal tumors. *Oncogene.* 1999 May 6;18(18):2883-91.
- Dale TC, Weber-Hall SJ, Smith K, Huguet EL, Jayatilake H, Gusterson BA, Shuttleworth G, O'Hare M, Harris AL. Compartment switching of WNT-2 expression in human breast tumors. *Cancer Res.* 1996 Oct 1;56(19):4320-3.
- Dartigalongue C, Loferer H, Raina S. EcfE, a new essential inner membrane protease: its role in the regulation of heat shock response in *Escherichia coli*. *EMBO J.* 2001 Nov 1;20(21):5908-18.
- Desbois-Mouthon C, Cadoret A, Blivet-Van Eggelpoel MJ, Bertrand F, Cherqui G, Perret C, Capeau J. Insulin and IGF-1 stimulate the beta-catenin pathway through two signalling cascades involving GSK-3beta inhibition and Ras activation.
- Dhut S, Chaplin T, Young BD. BCR-ABL and BCR proteins: biochemical characterization and localization. *Leukemia.* 1990 Nov;4(11):745-50.

- Dhut S, Dorey EL, Horton MA, Ganesan TS, Young BD. Identification of two normal bcr gene products in the cytoplasm. *Oncogene*. 1988 Nov;3(5):561-6.
- Doyle DA, Lee A, Lewis J, Kim E, Sheng M, MacKinnon R. Crystal structures of a complexed and peptide-free membrane protein-binding domain: molecular basis of peptide recognition by PDZ. *Cell*. 1996 Jun 28;85(7):1067-76.
- Durfee T, Becherer K, Chen PL, Yeh SH, Yang Y, Kilburn AE, Lee WH, Elledge SJ. The retinoblastoma protein associates with the protein phosphatase type 1 catalytic subunit. *Genes Dev*. 1993 Apr;7(4):555-69.
- Duval A, Iacopetta B, Ranzani GN, Lothe RA, Thomas G, Hamelin R. Variable mutation frequencies in coding repeats of TCF-4 and other target genes in colon, gastric and endometrial carcinoma showing microsatellite instability. *Oncogene*. 1999 Nov 18;18(48):6806-9.
- Faccio L, Fusco C, Viel A, Zervos AS. Tissue-specific splicing of Omi stress-regulated endoprotease leads to an inactive protease with a modified PDZ motif. *Genomics*. 2000 Sep 15; 68(3): 343-7.
- Favre B, Fontao L, Koster J, Shafaatian R, Jaunin F, Saurat JH, Sonnenberg A, Borradori L. The hemidesmosomal protein bullous pemphigoid antigen 1 and the integrin beta 4 subunit bind to ERBIN. Molecular cloning of multiple alternative splice variants of ERBIN and analysis of their tissue expression. *J Biol Chem*. 2001 Aug 31;276(35):32427-36.
- Fields S, Song O. A novel genetic system to detect protein-protein interactions. *Nature*. 1989 Jul 20;340(6230):245-6.
- Fodde R. The APC gene in colorectal cancer. *Eur J Cancer*. 2002 May;38(7):867-71.
- Gallagher RC, Hay T, Meniel V, Naughton C, Anderson TJ, Shibata H, Ito M, Clevers H, Noda T, Sansom OJ, Mason JO, Clarke AR. Inactivation of Apc perturbs mammary development, but only directly results in acanthoma in the context of Tcf-1 deficiency. *Oncogene*. 2002 Sep 19;21(42):6446-57.
- Giles RH, van Es JH, Clevers H. Caught up in a Wnt storm: Wnt signaling in cancer. *Biochim Biophys Acta*. 2003 Jun 5;1653(1):1-24.
- Goga A, McLaughlin J, Afar DE, Saffran DC, Witte ON. Alternative signals to RAS for hematopoietic transformation by the BCR-ABL oncogene. *Cell*. 1995 Sep 22;82(6):981-8.
- Goldman JM. The Philadelphia chromosome: from cytogenetics to oncogenes. *Br J Haematol*. 1987 Aug; 66(4):435-6.
- Gumbiner BM. Proteins associated with the cytoplasmic surface of adhesion molecules. *Neuron*. 1993 Oct; 11(4):551-64.
- Hariharan IK, Harris AW, Crawford M, Abud H, Webb E, Cory S, Adams JM. A bcr-v-abl oncogene induces lymphomas in transgenic mice. *Mol Cell Biol*. 1989 Jul;9(7):2798-805.
- Hawk N, Sun T, Xie S, Wang Y, Wu Y, Liu J, Arlinghaus RB. Inhibition of the Bcr-Abl oncoprotein by Bcr requires phosphoserine 354. *Cancer Res*. 2002 Jan 15;62(2):386-90.
- He TC, Sparks AB, Rago C, Hermeking H, Zawel L, da Costa LT, Morin PJ, Vogelstein B, Kinzler KW. Identification of c-MYC as a target of the APC pathway. *Science*. 1998 Sep 4;281(5382):1509-12.
- Hecht A, Kemler R. Curbing the nuclear activities of beta-catenin. Control over Wnt target gene expression. *EMBO Rep*. 2000 Jul;1(1):24-8.

- Heisterkamp N, Voncken JW, Senadheera D, Hemmeryckx B, Gonzalez-Gomez I, Reichert A, Pattengale PK, Groffen The Bcr N-terminal oligomerization domain contributes to the full oncogenicity of P190 Bcr/Abl in transgenic mice. *Int J Mol Med*. 2001 Apr;7(4):351-7.
- Hörlein AJ, Naar AM, Heinzel T, Torchia J, Gloss B, Kurokawa R, Ryan A, Kamei Y, Soderstrom M, Glass CK, et al. Ligand-independent repression by the thyroid hormone receptor mediated by a nuclear receptor co-repressor. *Nature*. 1995 Oct 5;377(6548):397-404.
- Hrdlickova R, Nehyba J, Humphries EH. In vivo evolution of c-rel oncogenic potential. *J Virol*. 1994 Apr;68(4):2371-82.
- Hu P, O'Keefe EJ, Rubenstein DS. Tyrosine phosphorylation of human keratinocyte beta-catenin and plakoglobin reversibly regulates their binding to E-cadherin and alpha-catenin. *J Invest Dermatol*. 2001 Nov;117(5):1059-67.
- Huang YZ, Zang M, Xiong WC, Luo Z, Mei L. Erbin suppresses the MAP kinase pathway. *J Biol Chem*. 2003 Jan 10;278(2):1108-14. Epub 2002 Oct 11.
- Huang YZ, Wang Q, Xiong WC, Mei L. Erbin is a protein concentrated at postsynaptic membranes that interacts with PSD-95. *J Biol Chem*. 2001 Jun 1;276(22):19318-26. Epub 2001 Mar 12.
- Huelsken J, Behrens J. The Wnt signalling pathway. *J Cell Sci*. 2002 Nov 1;115(Pt 21):3977-8.
- Huguet EL, McMahon JA, McMahon AP, Bicknell R, Harris AL. Differential expression of human Wnt genes 2, 3, 4, and 7B in human breast cell lines and normal and disease states of human breast tissue.
- Imamura F, Maeda S, Doi T, Fujiyoshi Y. Ligand binding of the second PDZ domain regulates clustering of PSD-95 with the Kv1.4 potassium channel. *J Biol Chem*. 2002 Feb 1;277(5):3640-6. Epub 2001 Nov 26.
- Iozzo RV, Eichstetter I, Danielson KG. Aberrant expression of the growth factor Wnt-5A in human malignancy. *Cancer Res*. 1995 Aug 15;55(16):3495-9.
- Ishidate T, Matsumine A, Toyoshima K, Akiyama T. The APC-hDLG complex negatively regulates cell cycle progression from the G0/G1 to S phase. *Oncogene*. 2000 Jan 20;19(3):365-72.
- Itoh M, Nagafuchi A, Yonemura S, Kitani-Yasuda T, Tsukita S, Tsukita S. The 220-kD protein colocalizing with cadherins in non-epithelial cells is identical to ZO-1, a tight junction-associated protein in epithelial cells: cDNA cloning and immunoelectron microscopy. *J Cell Biol*. 1993 May;121(3):491-502.
- Jaulin-Bastard F, Arsanto JP, Le Bivic A, Navarro C, Vely F, Saito H, Marchetto S, Hatzfeld M, Santoni MJ, Birnbaum D, Borg JP. Interaction between Erbin and a Catenin-related protein in epithelial cells. *J Biol Chem*. 2002 Jan 25;277(4):2869-75. Epub 2001 Nov 15.
- Jepsen K, Rosenfeld MG. Biological roles and mechanistic actions of co-repressor complexes. *J Cell Sci*. 2002 Feb 15;115(Pt 4):689-98.
- Jue SF, Bradley RS, Rudnicki JA, Varmus HE, Brown AM. The mouse Wnt-1 gene can act via a paracrine mechanism in transformation of mammary epithelial cells. *Mol Cell Biol*. 1992 Jan;12(1):321-8.
- Kanai Y, Ochiai A, Shibata T, Oyama T, Ushijima S, Akimoto S, Hirohashi S. c-erbB-2 gene product directly associates with beta-catenin and plakoglobin. *Biochem Biophys Res Commun*. 1995 Mar 28;208(3):1067-72.
- Kanamori M, Sandy P, Marzinotto S, Benetti R, Kai C, Hayashizaki Y, Schneider C, Suzuki H. The PDZ protein tax-interacting protein-1 inhibits beta-catenin transcriptional activity and growth of colorectal cancer cells. *J Biol Chem*. 2003 Oct 3;278(40):38758-64. Epub 2003 Jul 21.

- Kast P. pKSS--a second-generation general purpose cloning vector for efficient positive selection of recombinant clones. *Gene*. 1994 Jan 28;138(1-2):109-14.
- Kast P, Wehrli C, Hennecke H. Impaired affinity for phenylalanine in *Escherichia coli* phenylalanyl-tRNA synthetase mutant caused by Gly-to-Asp exchange in motif 2 of class II tRNA synthetases. *FEBS Lett*. 1991 Nov 18;293(1-2):160-3.
- Kast P, Hennecke H. Amino acid substrate specificity of *Escherichia coli* phenylalanyl-tRNA synthetase altered by distinct mutations. *J Mol Biol*. 1991 Nov 5;222(1):99-124.
- Kikuchi A. Modulation of Wnt signaling by Axin and Axil. *Cytokine Growth Factor Rev*. 1999 Sep-Dec;10(3-4):255-65.
- Kim E, Niethammer M, Rothschild A, Jan YN, Sheng M. Clustering of Shaker-type K⁺ channels by interaction with a family of membrane-associated guanylate kinases. *Nature*. 1995 Nov 2;378(6552):85-8.
- Kishida S, Yamamoto H, Hino S, Ikeda S, Kishida M, Kikuchi A. DIX domains of Dvl and axin are necessary for protein interactions and their ability to regulate beta-catenin stability. *Mol Cell Biol*. 1999 Jun;19(6):4414-22.
- Kishida M, Koyama S, Kishida S, Matsubara K, Nakashima S, Higano K, Takada R, Takada S, Kikuchi A. Axin prevents Wnt-3a-induced accumulation of beta-catenin. *Oncogene*. 1999 Jan 28;18(4):979-85.
- Kishida S, Yamamoto H, Ikeda S, Kishida M, Sakamoto I, Koyama S, Kikuchi A. Axin, a negative regulator of the wnt signaling pathway, directly interacts with adenomatous polyposis coli and regulates the stabilization of beta-catenin. *J Biol Chem*. 1998 May 1;273(18):10823-6.
- Koh TJ, Bulitta CJ, Fleming JV, Dockray GJ, Varro A, Wang TC. Gastrin is a target of the beta-catenin/TCF-4 growth-signaling pathway in a model of intestinal polyposis. *J Clin Invest*. 2000 Aug; 106(4):533-9.
- Kolligs FT, Nieman MT, Winer I, Hu G, Van Mater D, Feng Y, Smith IM, Wu R, Zhai Y, Cho KR, Fearon ER. ITF-2, a downstream target of the Wnt/TCF pathway, is activated in human cancers with beta-catenin defects and promotes neoplastic transformation. *Cancer Cell*. 2002 Mar;1(2):145-55.
- Koonin EV, Woods DF, Bryant PJ. dlG-R proteins: modified guanylate kinases. *Nat Genet*. 1992 Dec;2(4):256-7.
- Korinek V, Barker N, Moerer P, van Donselaar E, Huls G, Peters PJ, Clevers H. Depletion of epithelial stem-cell compartments in the small intestine of mice lacking Tcf-4. *Nat Genet*. 1998 Aug; 19(4): 379-83.
- Korinek V, Barker N, Morin PJ, van Wichen D, de Weger R, Kinzler KW, Vogelstein B, Clevers H. Constitutive transcriptional activation by a beta-catenin-Tcf complex in APC^{-/-} colon carcinoma. *Science*. 1997 Mar 21;275(5307):1784-7.
- Kramps T, Peter O, Brunner E, Nellen D, Froesch B, Chatterjee S, Murone M, Zullig S, Basler K. Wnt/wingless signaling requires BCL9/legless-mediated recruitment of pygopus to the nuclear beta-catenin-TCF complex. *Cell*. 2002 Apr 5;109(1):47-60.
- Kries JP von, Winbeck G, Asbrand C, Schwarz-Romond T, Sochnikova N, Dell'Oro A, Behrens J, Birchmeier W. Hot spots in beta-catenin for interactions with LEF-1, conductin and APC. *Nat Struct Biol*. 2000 Sep;7(9):800-7.
- Kurzrock R, Shtalrid M, Gutterman JU, Koller CA, Walters R, Trujillo JM, Talpaz M. Molecular analysis of chromosome 22 breakpoints in adult Philadelphia-positive acute lymphoblastic leukaemia. *Br J Haematol*. 1987 Sep;67(1):55-9.

- Laurent E, Talpaz M, Wetzler M, Kurzrock R. Cytoplasmic and nuclear localization of the 130 and 160 kDa Bcr proteins. *Leukemia*. 2000 Nov;14(11):1892-7.
- Legouis R, Jaulin-Bastard F, Schott S, Navarro C, Borg JP, Labouesse M. Basolateral targeting by leucine-rich repeat domains in epithelial cells. *EMBO Rep*. 2003 Oct;4(11):1096-1100. Epub 2003 Oct 24.
- Lejeune S, Huguet EL, Hamby A, Poulson R, Harris AL. Wnt5a cloning, expression, and up-regulation in human primary breast cancers. *Clin Cancer Res*. 1995 Feb;1(2):215-22.
- Lemmon MA. Phosphoinositide recognition domains. *Traffic*. 2003 Apr;4(4):201-13.
- Levanon D, Goldstein RE, Bernstein Y, Tang H, Goldenberg D, Stifani S, Paroush Z, Groner Y. Transcriptional repression by AML1 and LEF-1 is mediated by the TLE/Groucho corepressors. *Proc Natl Acad Sci U S A*. 1998 Sep 29;95(20):11590-5
- Levy L, Neuveut C, Renard CA, Charneau P, Branchereau S, Gauthier F, Van Nhieu JT, Cherqui D, Petit-Bertron AF, Mathieu D, Buendia MA. Transcriptional activation of interleukin-8 by beta-catenin-Tcf4. *J Biol Chem*. 2002 Nov 1;277(44):42386-93. Epub 2002 Aug 27.
- Li J, Smithgall TE. Co-expression with BCR induces activation of the FES tyrosine kinase and phosphorylation of specific N-terminal BCR tyrosine residues. *J Biol Chem*. 1996 Dec 20;271(51):32930-6.
- Li L, Yuan H, Xie W, Mao J, Caruso AM, McMahon A, Sussman DJ, Wu D. Dishevelled proteins lead to two signaling pathways. Regulation of LEF-1 and c-Jun N-terminal kinase in mammalian cells. *J Biol Chem*. 1999 Jan 1;274(1):129-34
- Li W, Srinivasula SM, Chai J, Li P, Wu JW, Zhang Z, Alnemri ES, Shi Y. Structural insights into the proapoptotic function of mitochondrial serine protease HtrA2/Omi. *Nat Struct Biol*. 2002 Jun;9(6):436-41.
- Li WJ, Dreazen O, Kloetzer W, Gale RP, Arlinghaus RB. Characterization of bcr gene products in hematopoietic cells. *Oncogene*. 1989 Feb;4(2):127-38.
- Lifshitz B, Fainstein E, Marcelle C, Shtivelman E, Amson R, Gale RP, Canaani E. bcr genes and transcripts. *Oncogene*. 1988 Feb;2(2):113-7.
- Lin F, Monaco G, Sun T, Liu J, Lin H, Stephens C, Belmont J, Arlinghaus RB. BCR gene expression blocks Bcr-Abl induced pathogenicity in a mouse model. *Oncogene*. 2001 Apr 5;20(15):1873-81.
- Liu J, Wu Y, Ma GZ, Lu D, Haataja L, Heisterkamp N, Groffen J, Arlinghaus RB. Inhibition of Bcr serine kinase by tyrosine phosphorylation. *Mol Cell Biol*. 1996 Mar;16(3):998-1005.
- Liu J, Wu Y, Arlinghaus RB. Sequences within the first exon of BCR inhibit the activated tyrosine kinases of c-Abl and the Bcr-Abl oncoprotein. *Cancer Res*. 1996 Nov 15;56(22):5120-4.
- Lustig B, Jerchow B, Sachs M, Weiler S, Pietsch T, Karsten U, van de Wetering M, Clevers H, Schlag PM, Birchmeier W, Behrens J. Negative feedback loop of Wnt signaling through upregulation of conductin/axin2 in colorectal and liver tumors. *Mol Cell Biol*. 2002 Feb;22(4):1184-93.
- Mahon GM, Wang Y, Korus M, Kostenko E, Cheng L, Sun T, Arlinghaus RB, Whitehead IP. The c-Myc Oncoprotein Interacts with Bcr. *Curr Biol*. 2003 Mar 4;13(5):437-41.
- McWhirter JR, Neuteboom ST, Wancewicz EV, Monia BP, Downing JR, Murre C. Oncogenic homeodomain transcription factor E2A-Pbx1 activates a novel WNT gene in pre-B acute lymphoblastoid leukemia. *Proc Natl Acad Sci U S A*. 1999 Sep 28;96(20):11464-9.
- McWhirter JR, Galasso DL, Wang JY. A coiled-coil oligomerization domain of Bcr is essential for the transforming function of Bcr-Abl oncoproteins. *Mol Cell Biol*. 1993 Dec;13(12):7587-95

- Mann B, Gelos M, Siedow A, Hanski ML, Gratchev A, Ilyas M, Bodmer WF, Moyer MP, Riecken EO, Buhr HJ, Hanski C. Target genes of beta-catenin-T cell-factor/lymphoid-enhancer-factor signaling in human colorectal carcinomas. *Proc Natl Acad Sci U S A*. 1999 Feb 16;96(4):1603-8.
- Matsumine A, Ogai A, Senda T, Okumura N, Satoh K, Baeg GH, Kawahara T, Kobayashi S, Okada M, Toyoshima K, Akiyama T. Binding of APC to the human homolog of the Drosophila discs large tumor suppressor protein. *Science*. 1996 May 17;272(5264):1020-3.
- Mayer K, Hieronymus T, Castrop J, Clevers H, Ballhausen WG. Ectopic activation of lymphoid high mobility group-box transcription factor TCF-1 and overexpression in colorectal cancer cells. *Int J Cancer*. 1997 Aug 7;72(4):625-30.
- Melo JV. The diversity of BCR-ABL fusion proteins and their relationship to leukemia phenotype. *Blood*. 1996 Oct 1;88(7):2375-84.
- Merrill BJ, Pasolli HA, Polak L, Rendl M, Garcia-Garcia MJ, Anderson KV, Fuchs E. Tcf3: a transcriptional regulator of axis induction in the early embryo. *Development*. 2004 Jan;131(2):263-74. Epub 2003 Dec 10.
- Montcouquiol M, Rachel RA, Lanford PJ, Copeland NG, Jenkins NA, Kelley MW. Identification of *Vangl2* and *Scrb1* as planar polarity genes in mammals. *Nature*. 2003 May 8;423(6936):173-7.
- Moon RT, Bowerman B, Boutros M, Perrimon N. The promise and perils of Wnt signaling through beta-catenin. *Science*. 2002 May 31;296(5573):1644-6.
- Morin PJ. Beta-catenin signaling and cancer. *Bioessays*. 1999 Dec;21(12):1021-30.
- Morin PJ, Sparks AB, Korinek V, Barker N, Clevers H, Vogelstein B, Kinzler KW. Activation of beta-catenin-Tcf signaling in colon cancer by mutations in beta-catenin or APC. *Science*. 1997 Mar 21;275(5307):1787-90.
- Muhr J, Andersson E, Persson M, Jessell TM, Ericson J. Groucho-mediated transcriptional repression establishes progenitor cell pattern and neuronal fate in the ventral neural tube. *Cell*. 2001 Mar 23;104(6):861-73.
- Nagafuchi A, Takeichi M. Transmembrane control of cadherin-mediated cell adhesion: a 94 kDa protein functionally associated with a specific region of the cytoplasmic domain of E-cadherin. *Cell Regul*. 1989 Nov;1(1):37-44.
- Nakagawa S, Huijbregtse JM. Human scribble (Vartul) is targeted for ubiquitin-mediated degradation by the high-risk papillomavirus E6 proteins and the E6AP ubiquitin-protein ligase. *Mol Cell Biol*. 2000 Nov;20(21):8244-53.
- Noe V, Fingleton B, Jacobs K, Crawford HC, Vermeulen S, Steelant W, Bruyneel E, Matrisian LM, Mareel M. Release of an invasion promoter E-cadherin fragment by matrilysin and stromelysin-1. *J Cell Sci*. 2001 Jan;114(Pt 1):111-118.
- Noort M. van, Wetering M. van de, Clevers H. Identification of two novel regulated serines in the N terminus of beta-catenin. *Exp Cell Res*. 2002 Jun 10;276(2):264-72.
- Nourry C, Grant SG, Borg JP. PDZ domain proteins: plug and play! *Sci STKE*. 2003 Apr 22;2003(179):RE7.
- Nowell PC, Hungerford DA. The etiology of leukemia: some comments on current studies. *Semin Hematol*. 1966 Apr;3(2):114-21.
- Nusse R. Insertional mutagenesis in mouse mammary tumorigenesis. *Curr Top Microbiol Immunol*. 1991;171:43-65.

- Nusse R, Theunissen H, Wagenaar E, Rijsewijk F, Gennissen A, Otte A, Schuurig E, van Ooyen A. The Wnt-1 (int-1) oncogene promoter and its mechanism of activation by insertion of proviral DNA of the mouse mammary tumor virus. *Mol Cell Biol.* 1990 Aug;10(8):4170-9.
- Nusse R, van Ooyen A, Cox D, Fung YK, Varmus H. Mode of proviral activation of a putative mammary oncogene (int-1) on mouse chromosome 15. *Nature.* 1984 Jan 12-18;307(5947):131-6.
- Ochiai A, Akimoto S, Kanai Y, Shibata T, Oyama T, Hirohashi S. c-erbB-2 gene product associates with catenins in human cancer cells. *Biochem Biophys Res Commun.* 1994 Nov 30;205(1):73-8.
- Orsulic S, Peifer M. An in vivo structure-function study of armadillo, the beta-catenin homologue, reveals both separate and overlapping regions of the protein required for cell adhesion and for wingless signaling. *J Cell Biol.* 1996 Sep;134(5):1283-300.
- Ougolkov AV, Yamashita K, Mai M, Minamoto T. Oncogenic beta-catenin and MMP-7 (matrilysin) cosegregate in late-stage clinical colon cancer. *Gastroenterology.* 2002 Jan;122(1):60-71.
- Pai LM, Orsulic S, Bejsovec A, Peifer M. Negative regulation of Armadillo, a Wingless effector in *Drosophila*. *Development.* 1997 Jun;124(11):2255-66.
- Parker DS, Jemison J, Cadigan KM. Pygopus, a nuclear PHD-finger protein required for Wingless signaling in *Drosophila*. *Development.* 2002 Jun;129(11):2565-76.
- Pedemonte S, Sciallero S, Gismondi V, Stagnaro P, Biticchi R, Haeouaine A, Bonelli L, Nicolo G, Groden J, Bruzzi P, Aste H, Varesco L. Novel germline APC variants in patients with multiple adenomas. *Genes Chromosomes Cancer.* 1998 Aug;22(4):257-67.
- Peifer M, Polakis P. Wnt signaling in oncogenesis and embryogenesis--a look outside the nucleus. *Science.* 2000 Mar 3;287(5458):1606-9.
- Pelicci G, Dente L, De Giuseppe A, Verducci-Galletti B, Giuli S, Mele S, Vetriani C, Giorgio M, Pandolfi PP, Cesareni G, Pelicci PG. A family of Shc related proteins with conserved PTB, CH1 and SH2 regions. *Oncogene.* 1996 Aug 1;13(3):633-41.
- Pendergast AM, Quilliam LA, Cripe LD, Bassing CH, Dai Z, Li N, Batzer A, Rabun KM, Der CJ, Schlessinger J, et al. BCR-ABL-induced oncogenesis is mediated by direct interaction with the SH2 domain of the GRB-2 adaptor protein. *Cell.* 1993 Oct 8;75(1):175-85.
- Playford MP, Bicknell D, Bodmer WF, Macaulay VM. Insulin-like growth factor 1 regulates the location, stability, and transcriptional activity of beta-catenin. *Proc Natl Acad Sci U S A.* 2000 Oct 24;97(22):12103-8.
- Pluk H, Dorey K, Superti-Furga G. Autoinhibition of c-Abl. *Cell.* 2002 Jan 25;108(2):247-59.
- Polakis P. More than one way to skin a catenin. *Cell.* 2001 Jun 1;105(5):563-6.
- Ponting CP, Phillips C. DHR domains in syntrophins, neuronal NO synthases and other intracellular proteins. *Trends Biochem Sci.* 1995 Mar;20(3):102-3.
- Powell SM, Zilz N, Beazer-Barclay Y, Bryan TM, Hamilton SR, Thibodeau SN, Vogelstein B, Kinzler KW. APC mutations occur early during colorectal tumorigenesis. *Nature.* 1992 Sep 17;359(6392):235-7.
- Puil L, Liu J, Gish G, Mbamalu G, Bowtell D, Pelicci PG, Arlinghaus R, Pawson T. Bcr-Abl oncoproteins bind directly to activators of the Ras signalling pathway. *EMBO J.* 1994 Feb 15;13(4):764-73.
- Radziwill G, Erdmann RA, Margelisch U, Moelling K. The Bcr kinase downregulates Ras signaling by phosphorylating AF-6 and binding to its PDZ domain. *Mol Cell Biol.* 2003 Jul;23(13):4663-72.

- Raitano AB, Halpern JR, Hambuch TM, Sawyers CL. The Bcr-Abl leukemia oncogene activates Jun kinase and requires Jun for transformation. *Proc Natl Acad Sci U S A*. 1995 Dec 5;92(25):11746-50.
- Rao A, Craig AM. Activity regulates the synaptic localization of the NMDA receptor in hippocampal neurons. *Neuron*. 1997 Oct;19(4):801-12.
- Ren R. The molecular mechanism of chronic myelogenous leukemia and its therapeutic implications: studies in a murine model. *Oncogene*. 2002 Dec 9;21(56):8629-42.
- Reya T, Duncan AW, Ailles L, Domen J, Scherer DC, Willert K, Hintz L, Nusse R, Weissman IL. A role for Wnt signalling in self-renewal of haematopoietic stem cells. *Nature*. 2003 May 22; 423(6938): 409-14. Epub 2003 Apr 27.
- Rubinfeld B, Robbins P, El-Gamil M, Albert I, Porfiri E, Polakis P. Stabilization of beta-catenin by genetic defects in melanoma cell lines. *Science*. 1997 Mar 21;275(5307):1790-2.
- Rubinfeld B, Souza B, Albert I, Muller O, Chamberlain SH, Masiarz FR, Munemitsu S, Polakis P. Association of the APC gene product with beta-catenin. *Science*. 1993 Dec 10;262(5140):1731-4.
- Rodova M, Islam MR, Maser RL, Calvet JP. The polycystic kidney disease-1 promoter is a target of the beta-catenin/T-cell factor pathway. *J Biol Chem*. 2002 Aug 16;277(33):29577-83. Epub 2002 Jun 04.
- Roose J, Huls G, van Beest M, Moerer P, van der Horn K, Goldschmeding R, Logtenberg T, Clevers H. Synergy between tumor suppressor APC and the beta-catenin-Tcf4 target Tcf1. *Science*. 1999 Sep 17; 285(5435):1923-6.
- Roose J, Clevers H. TCF transcription factors: molecular switches in carcinogenesis. *Biochim Biophys Acta*. 1999 Oct 29;1424(2-3):M23-37.
- Rousset R, Fabre S, Desbois C, Bantignies F, Jalinet P. The C-terminus of the HTLV-1 Tax oncoprotein mediates interaction with the PDZ domain of cellular proteins. *Oncogene*. 1998 Feb 5;16(5):643-54.
- Saeki H, Tanaka S, Tokunaga E, Kawaguchi H, Ikeda Y, Maehara Y, Sugimachi K. Genetic alterations in the human Tcf-4 gene in Japanese patients with sporadic gastrointestinal cancers with microsatellite instability. *Oncology*. 2001;61(2):156-61.
- Sakamoto I, Kishida S, Fukui A, Kishida M, Yamamoto H, Hino S, Michiue T, Takada S, Asashima M, Kikuchi A. A novel beta-catenin-binding protein inhibits beta-catenin-dependent Tcf activation and axis formation. *J Biol Chem*. 2000 Oct 20;275(42):32871-8.
- Salgia R, Li JL, Ewaniuk DS, Pear W, Pisick E, Burky SA, Ernst T, Sattler M, Chen LB, Griffin JD. BCR/ABL induces multiple abnormalities of cytoskeletal function. *J Clin Invest*. 1997 Jul 1;100(1):46-57.
- Sampson EM, Haque ZK, Ku MC, Tevosian SG, Albanese C, Pestell RG, Paulson KE, Yee AS. Negative regulation of the Wnt-beta-catenin pathway by the transcriptional repressor HBP1. *EMBO J*. 2001 Aug 15;20(16):4500-11.
- Sarris A, Ford R. Recent advances in the molecular pathogenesis of lymphomas. *Curr Opin Oncol*. 1999 Sep;11(5):351-63.
- Sattler M, Salgia R. Role of the adapter protein CRKL in signal transduction of normal hematopoietic and BCR/ABL-transformed cells. *Leukemia*. 1998 May;12(5):637-44.
- Sawyers CL, Callahan W, Witte ON. Dominant negative MYC blocks transformation by ABL oncogenes. *Cell*. 1992 Sep 18;70(6):901-10.

- Schneider S, Buchert M, Georgiev O, Catimel B, Halford M, Stacker SA, Baechi T, Moelling K, Hovens CM. Mutagenesis and selection of PDZ domains that bind new protein targets. *Nat Biotechnol.* 1999 Feb;17(2):170-5.
- Schneider S, Georgiev O, Buchert M, Adams MT, Moelling K, Hovens CM. An epitope tagged mammalian/prokaryotic expression vector with positive selection of cloned inserts. *Gene.* 1997 Sep 15;197(1-2):337-41.
- Seidensticker MJ, Behrens J. Biochemical interactions in the wnt pathway. *Biochim Biophys Acta.* 2000 Feb 2;1495(2):168-82.
- Sharma RP, Chopra VL. Effect of the Wingless (wgl) mutation on wing and haltere development in *Drosophila melanogaster*. *Dev Biol.* 1976 Feb;48(2):461-5.
- Shibata T, Ochiai A, Kanai Y, Akimoto S, Gotoh M, Yasui N, Machinami R, Hirohashi S. Dominant negative inhibition of the association between beta-catenin and c-erbB-2 by N-terminally deleted beta-catenin suppresses the invasion and metastasis of cancer cells. *Oncogene.* 1996 Sep 5;13(5):883-9.
- Shiraishi Y, Mizutani A, Mikoshiba K, Furuichi T. Coincidence in dendritic clustering and synaptic targeting of homer proteins and NMDA receptor complex proteins NR2B and PSD95 during development of cultured hippocampal neurons. *Mol Cell Neurosci.* 2003 Feb;22(2):188-201.
- Skelton NJ, Koehler MF, Zobel K, Wong WL, Yeh S, Pisabarro MT, Yin JP, Lasky LA, Sidhu SS. Origins of PDZ domain ligand specificity. Structure determination and mutagenesis of the Erbin PDZ domain. *J Biol Chem.* 2003 Feb 28;278(9):7645-54.
- Smith WC, Harland RM. Injected Xwnt-8 RNA acts early in *Xenopus* embryos to promote formation of a vegetal dorsalizing center. *Cell.* 1991 Nov 15;67(4):753-65.
- Sokol S, Christian JL, Moon RT, Melton DA. Injected Wnt RNA induces a complete body axis in *Xenopus* embryos. *Cell.* 1991 Nov 15;67(4):741-52.
- Songyang Z, Fanning AS, Fu C, Xu J, Marfatia SM, Chishti AH, Crompton A, Chan AC, Anderson JM, Cantley Recognition of unique carboxyl-terminal motifs by distinct PDZ domains. *Science.* 1997 Jan 3; 275(5296):73-7.
- Stricker NL, Christopherson KS, Yi BA, Schatz PJ, Raab RW, Dawes G, Bassett DE Jr, Bredt DS, Li M. PDZ domain of neuronal nitric oxide synthase recognizes novel C-terminal peptide sequences. *Nat Biotechnol.* 1997 Apr;15(4):336-42.
- Sun T, Campbell M, Gordon W, Arlinghaus RB. Preparation and application of antibodies to phospho-amino acid sequences. *Biopolymers.* 2001;60(1):61-75.
- Suzuki T, Ohsugi Y, Uchida-Toita M, Akiyama T, Yoshida M. Tax oncoprotein of HTLV-1 binds to the human homologue of *Drosophila* discs large tumor suppressor protein, hDLG, and perturbs its function in cell growth control. *Oncogene.* 1999 Oct 28;18(44):5967-72.
- Takeichi M, Hatta K, Nose A, Nagafuchi A, Matsunaga M. Cadherin-mediated specific cell adhesion and animal morphogenesis. *Ciba Found Symp.* 1989;144:243-9; discussion 250-4, 290-5.
- Takemaru K, Yamaguchi S, Lee YS, Zhang Y, Carthew RW, Moon RT. Chibby, a nuclear beta-catenin-associated antagonist of the Wnt/Wingless pathway. *Nature.* 2003 Apr 24;422(6934):905-9.
- Tauchi T, Broxmeyer HE. BCR/ABL signal transduction. *Int J Hematol.* 1995 Apr;61(3):105-12.
- Tetsu O, McCormick F. Beta-catenin regulates expression of cyclin D1 in colon carcinoma cells. *Nature.* 1999 Apr 1;398(6726):422-6.

- Thiery JP. Epithelial-mesenchymal transitions in tumour progression. *Nat Rev Cancer*. 2002 Jun;2(6):442-54
- Tochio H, Mok YK, Zhang Q, Kan HM, Bredt DS, Zhang M. Formation of nNOS/PSD-95 PDZ dimer requires a preformed beta-finger structure from the nNOS PDZ domain. *J Mol Biol*. 2000 Oct 27; 303(3):359-70.
- Tomoda K, Kubota Y, Kato J. Degradation of the cyclin-dependent-kinase inhibitor p27Kip1 is instigated by Jab1. *Nature*. 1999 Mar 11;398(6723):160-5.
- Tran HJ, Allen MD, Lowe J, Bycroft M. Structure of the Jab1/MPN domain and its implications for proteasome function. *Biochemistry*. 2003 Oct 7;42(39):11460-5.
- Verbeek S, Izon D, Hofhuis F, Robanus-Maandag E, te Riele H, van de Wetering M, Oosterwegel M, Wilson A, MacDonald HR, Clevers H. An HMG-box-containing T-cell factor required for thymocyte differentiation. *Nature*. 1995 Mar 2;374(6517):70-4.
- Voncken JW, van Schaick H, Kaartinen V, Deemer K, Coates T, Landing B, Pattengale P, Dorseuil O, Bokoch GM, Groffen J, et al. Increased neutrophil respiratory burst in bcr-null mutants. *Cell*. 1995 Mar 10;80(5):719-28.
- Walsh NP, Alba BM, Bose B, Gross CA, Sauer RT. OMP peptide signals initiate the envelope-stress response by activating DegS protease via relief of inhibition mediated by its PDZ domain. *Cell*. 2003 Apr 4;113(1):61-71.
- Wang XC, Katso R, Butler R, Hanby AM, Poulosom R, Jones T, Sheer D, Ganesan TS. H-RYK, an unusual receptor kinase: isolation and analysis of expression in ovarian cancer. *Mol Med*. 1996 Mar;2(2):189-203.
- Warner DR, Pisano MM, Roberts EA, Greene RM. Identification of three novel Smad binding proteins involved in cell polarity. *FEBS Lett*. 2003 Mar 27;539(1-3):167-73.
- Wehrli M, Dougan ST, Caldwell K, O'Keefe L, Schwartz S, Vaizel-Ohayon D, Schejter E, Tomlinson A, DiNardo S. arrow encodes an LDL-receptor-related protein essential for Wntless signalling. *Nature*. 2000 Sep 28;407(6803):527-30. Erratum in: *Nature* 2001 Apr 12;410(6830):847.
- Wetering M, van de, Castrop J, Korinek V, Clevers H. Extensive alternative splicing and dual promoter usage generate Tcf-1 protein isoforms with differential transcription control properties. *Mol Cell Biol*. 1996 Mar;16(3):745-52.
- Wetering M van de, Oosterwegel M, Dooijes D, Clevers H. Identification and cloning of TCF-1, a T lymphocyte-specific transcription factor containing a sequence-specific HMG box. *EMBO J*. 1991 Jan;10:123-32.
- Wetzler M, Talpaz M, Yee G, Stass SA, Van Etten RA, Andreeff M, Goodacre AM, Kleine HD, Mahadevia RK, Kurzrock R. Cell cycle-related shifts in subcellular localization of BCR: association with mitotic chromosomes and with heterochromatin. *Proc Natl Acad Sci U S A*. 1995 Apr 11;92(8): 3488-92.
- Werb Z, Yan Y. A cellular striptease act. *Science*. 1998 Nov 13;282(5392):1279-80.
- Willis TG, Zalberg IR, Coignet LJ, Wlodarska I, Stul M, Jadayel DM, Bastard C, Treleaven JG, Catovsky D, Silva ML, Dyer MJ. Molecular cloning of translocation t(1;14)(q21;q32) defines a novel gene (BCL9) at chromosome 1q21. *Blood*. 1998 Mar 15;91(6):1873-81.
- McWhirter JR, Wang JY. Effect of Bcr sequences on the cellular function of the Bcr-Abl oncoprotein. *Oncogene*. 1997 Oct 2;15(14):1625-34.

-
- Wolf D, Rodova M, Miska EA, Calvet JP, Kouzarides T. Acetylation of beta-catenin by CREB-binding protein (CBP). *J Biol Chem*. 2002 Jul 12;277(28):25562-7. Epub 2002 Apr 24.
- Woods DF, Bryant PJ. ZO-1, DlgA and PSD-95/SAP90: homologous proteins in tight, septate and synaptic cell junctions. *Mech Dev*. 1993 Dec;44(2-3):85-9.
- Wu Y, Ma G, Lu D, Lin F, Xu HJ, Liu J, Arlinghaus RB. Bcr: a negative regulator of the Bcr-Abl oncoprotein. *Oncogene*. 1999 Aug 5;18(31):4416-24.
- Wu Y, Liu J, Arlinghaus RB. Requirement of two specific tyrosine residues for the catalytic activity of Bcr serine/threonine kinase. *Oncogene*. 1998 Jan 8;16(1):141-6.
- Yamamoto T, Harada N, Kano K, Taya S, Canaani E, Matsuura Y, Mizoguchi A, Ide C, Kaibuchi K. The Ras target AF-6 interacts with ZO-1 and serves as a peripheral component of tight junctions in epithelial cells. *J Cell Biol*. 1997 Nov 3;139(3):785-95.
- Yanagawa S, van Leeuwen F, Wodarz A, Klingensmith J, Nusse R. The dishevelled protein is modified by wingless signaling in *Drosophila*. *Genes Dev*. 1995 May 1;9(9):1087-97.
- Yanai H, Satoh K, Matsumine A, Akiyama T. The colorectal tumour suppressor APC is present in the NMDA-receptor-PSD-95 complex in the brain. *Genes Cells*. 2000 Oct;5(10):815-22.