

8 Literaturverzeichnis

- Agarwal M. L., Agarwal A., Taylor W. R., and Stark G. R.** 1995. *p53 controls both the G2/M and the G1 cell cycle checkpoints and mediates reversible growth arrest in human fibroblasts.* Proc. Natl. Acad. Scie. USA 92:8493-8497.
- Alderson M. R., Tough T. W., Davis-Smith T., Braddy S., Falk B., Schooley K. A., Goodwin R. G., Smith C. A., Ramsdell F., Lynch D. H.** 1995. *Fas ligand mediates activation-induced cell death in human lymphocytes-* J. Exp. Med. 181:71-77
- Altevogt P., Michaelis M., Kyewski B.** 1989. *Identical forms of the CD2 antigen expressed by mouse T and B lymphocytes.* Eur. J. Immunol. 19:1509-1512
- Anderson G., Jenkinson E. J.** 2001. *Lymphostromal interaction on thymic development and function.* Nat. Rev. Immunol. 1:31-40.
- Andrei L. G., and Tyner A. L.** 2003. *The role of cyclin-dependent kinase inhibitor p21 in Apoptosis.* Mol. Cancer Therapeutics 1:639-649.
- Antonsson B., Conti F., Ciavatta A., Montessuit S., Lewis S., Martinou I., Bernasconi L., Bernard A., Mermod J.J., Mazzai G., Maundrell K., Gambale F., Sadoul R., and Martinou J.C.** 1997. *Inhibition of Bax channel forming activity by Bcl-2.* Science 277:370-372.
- Ardouin L., Ismaili J., Malissen B., Malissen M.** 1998. *The CD- $\gamma\delta\epsilon$ and CD3- $\zeta\pi$ modules are each essential for allelic exclusion at the t cell receptor beta locus but are both dispensable for the initiation of V to (D)J recombination at the T cell receptor- β , - γ , and δ -loci.* J. Exp. Med. 187:105-116
- Askew D. S., Ashmun R. A., Simmons B. C., Cleveland J. L.** 1991. *Constitutive c-myc expression in an IL3-dependent myeloid cell line suppresses cell cycle arrest and accelerates Apoptosis.* Oncogene 6:1915-1922.
- Bain G., Engel I., Robanus Maandag E. C., te Riele H. P., Volland J. R., Sharp L. L., Chun J., Huey B., Pinkel D., Murre C.** 1997. *E2A deficiency leads to abnormalities in alphabeta T-cell development and to rapid development of T-cell lymphomas.* Mol. Cell Biol. 17:4782-4791
- Barone MV., Crozat A., Tabae A., Philipson L., Ron D.** 1994. Genes Dev. 8:453-464.
- Bartholdy B., Matthias P.** 2004. *Transcriptional control in B-cell development and function.* Gene 327:1-23.
- Bell EB. and Sparshott SM.** 1997. *The peripheral T-cell pool:regulation by non-antigen induced proliferation* Sem. Immunol. 9:347-353
- Bell E. M., Sparshott S. M., Drayson M. T., and Ford W. L.** 1987. *The stable and permanent expansion of functional T lymphocytes in athymic nude rats after single injection of mature T cells.* J. Immunol. 139:1379-1384.
- Bellamy C. O. C.** 1996. *p53 and apoptosis.* Br. Med. Bull 53:522-38
- Bellido T., O'Brien C. A., Roberson P. K., Manolagas S. C.** 1995. *Transcriptional activation of the p21^{CIP/WAF/SDI1} gene by interleukin-6 type cytokines. A prerequisite for their pro-differentiating and anti-apoptotic effects on human osteoblastic cells.* J. Biol. Chem. 273:21137-21144.
- Benezra R., Davis R. I., Lockshon D., Turner D. L., Weintraub H.** 1990: *The protein Id: a negative regulator of helix-loop-helix DNA-binding proteins.* Cell 61:61:49-59.
- Bentley G. A., and Mariuzza R. A.** 1996. *The structure of the T Cell Antigen Receptor.* Annu. Rev. Immunol. 14:563-590
- Biggs J. R. Kudlow J. E., Kraft A. S.** 1996. *The role of transcription factor SP1 is regulating the expression of the WAF/CIP1 gene in U937 leukemic cells.* J. Biol. Chem. 271:901-906.
- Bogue M. A, Zhu C., Aguilar-Cordova E., Donehower L. A., Roth D. B.** 1996. *p53 is required for both radiation-induced differentiation and rescue of V(D)J rearrangement in scid mouse thymocytes.* Genes Dev. 10:553-65.
- Bouillet P., Metcalf D., Huang D. C. S., Tarlinton D. M., Kay T. W. H., Köntgen F., Adams J., Strasser A.** 1999. *Proapoptotic Bcl-2 relative Bim required for certain apoptotic responses, leukocyte homeostasis, and to preclude autoimmunity.* Science 286:1735-38.

- Bouillet P., Purton J. F., Godfrey D. I., Zhang L-C, Coultas L., Puthalakath H., Pellegrini M., Cory S., Adams J. M., Strasser S.** 2002. *BH3-only Bcl-2 family member Bim is required for apoptosis of autoreactive thymocytes*. Nature 415:922-26
- Bullock W. O., Fernandez J. M.** 1987. *XL1-Blue: a high efficiency plasmid transforming recA Escherichia coli with β -galaktosidase selection*. BioTechniques 5:376-378.
- van den Broek ME, Kagi D, Ossendorp F, Toes R, Vamvakas S, Lutz WK, Melief CJ, Zinkernagel RM, Hengartner H.** 1996. *Decreased tumor surveillance in perforin-deficient mice*. J. Exp. Med. 184:1781.
- Calfon M., Zeng H., Urano F., Till J. H., Hubbard S. R., Harding H. P., Clark S. G., Ron D.** 2002. *IRE1 couples endoplasmic reticulum load to secretory capacity by processing the XBP-1 mRNA*. Nature 415:92.96.
- Capone M., Hockett R. D jr., Zlotnik A.** 1998. *Kinetics of T cell receptor beta, gamma, and delta rearrangements during adult thymic development: T cell receptor rearrangements are present in CD44+CD25+ pro-T thymocytes*. Proc. Natl. Acad. Sci. USA 95: 12522-22
- Caruthers J. M., and McKay D. B.** 2002. *Helicase structure and mechanism*. Curr. Opin. Struct. Biol. 12:123-133
- Chinery R., Brockman J. A., Peeler M. O., Shyr Y., Beauchamp R. D., Coffey R. J.** 1997. *Antioxidants enhance the cytotoxicity of chemotherapeutic agents in colorectal cancer: a p53-independent induction of p21^{CIP/WAF} via C/EBP β* . Nat. Med. 3:1233-1241.
- Cho B. K., Rao V. P., Ge Q., Eisen H. N. and Chen J.** 2000. *Homeostasis-stimulated proliferation drives naive T cells to differentiate directly into memory T cells*. J. Exp. Med. 192: 549-556.
- Clevers H. C., Grosschedel R.** 1996. *Transcriptional control of lymphoid development: lessons from gene targeting*. Immunol. Today 17:336-43.
- Cole M. D., McMahon S. B.** 1999. *The MYC oncoprotein: a critical evaluation of transactivation and target gene regulation*. Oncogene 18:2916-2924.
- Coles M. C., and Raulat D. H.** 2000. *NK1.1+ T cells in the liver arise in the thymus and are selected by interactions with class I molecules on CD4+CD8+ cells*. J. Immunol. 164:2412-2418.
- Conlan J. W. and North R. J.** 1991. *Neutrophil-mediated dissolution of infected host cells as a defense strategy against a facultative intracellular bacterium*. J. Exp. Med. 174:741.
- Conlan J. W., and North R. J.** 1994. *Neutrophils are essential for early anti-Listeria defense in the liver, but not in the spleen or peritoneal cavity, as revealed by a granulocyte-depleting monoclonal antibody*. J. Exp. Med. 179:259.
- Costello P. S., Cleverley S. C., Galandrini R., Henning S. W. Cantrell D. A.** 2000. *The GTPase rho controls a p53-dependent survival checkpoint during thymopoiesis*. J. Exp. med. 192:77-85
- DaFonseca C. J., Shu F., and Zhang J. J.** 2001. *Identification of two residues in MCM5 critical for the assembly of MCM complexes and Stat1-mediated transcription in response to IFN γ* . Proc. Natl. Acad. Sci. USA 98:3034-3039.
- Dave V. P., Cao Z., Browne C., Alarcon B., Fernandez-Miguel G., Laffaille J., de la Hera A., Tonegawa S., Kappes D. J.** 1997. *CD3 delta deficiency arrests development of the alpha beta but not the gamma delta T cell lineage*. EMBO J 16:1360-1370
- Davis M. M., Bjorkman PJ.** 1988. *T-cell antigen receptor genes and T-cell recognition*. Nature 334:395-402
- Davis R. J.** 1999. *Signal transduction by the c-Jun N-terminal kinase*. Biochem. Soc. Symp. 64:1-12.
- De Boer J., Williams A., Skavdis G., Harker N., Coles M., Tolaini M., Norton T., Williams K., Roderick K., Potocnik A. J., Kioussis D.,** 2003. *Transgenic mice with hematopoietic and lymphoid specific expression of Cre*. Eur. J. Immunol. 33:314-325
- De la Cruz J., Kressler D., and Linder P.** 1999. *Unwinding RNA in Sacchomyces cerevisiae : DEAD-box proteins and related families*. Trends Biochem. Sci. 24:192-198.
- Diehl N. L., Enslin H., Fortner K. A., Merritt C., Stetson N., Charland C., Flavell R. A., Davis R. J., Rincon M.** 2000. *Activation of p38 mitogen-activated protein kinase pathway arrests cell cycle progression and differentiation of immature thymocytes in vivo*. J. Exp. Med. 191:321-334
- Duplay P., Lancki D. and Allison J. P.** 1989. J. Immunol. 142:2998-3005.
- El-Deiry W. S., Lane D. P.** 1998. *Regulation of p53 downstream genes*. Semin. Cancer Biol. 8:345-357.

- Ellis R. E., Yuan J. .Y., und Horvitz H. R.** 1991. *Mechanism and functions of cell death.* Annu. Rev Cell Biol 7:663
- Engel I., Johns C., Bain G., Rivera R. R., Murre C.** 2001. *Early thymocyte development is regulated by modulation of E2A protein activity.* J. Exp. Med. 194:733-745
- Engel I., Murre C.** 1999. *Ectopic expression of E47 or E12 promotes the death of E2A-deficient lymphomas.* Proc. Natl. Acad. Sci. USA 96:996-1001
- Erhardt P., Tomaselli K. J., and Cooper G. M.** 1997. *Identification of the MDM2 oncoprotein as a substrate for CPP32-like apoptotic proteases.* J. Biol. Chem. 272:15049-15052.
- Ernst B., Lee D.-S., Chang J. M., Sprent J. and Surh C. D.** 1999. *The peptide ligands mediating positive selection in the thymus control T cell survival and homeostatic proliferation in the periphery.* Immunity. 11:173-181.
- Evan G. I., Brown L., Whyte M., Harrington E.** 1995. *Apoptosis and the cell cycle.* Curr. Opin. Cell. Biol. 7:825-34
- Evan G. I., Wyllie A. H., Gilbert C. S., Littlewood T. D., Land H., Brooks M., Waters C. M., Penin L. Z., Hancock DC.** 1992. *Induction of Apoptosis in fibroblasts by c-Myc Protein.* Cell 69:119-128.
- Faltynek C. R., Wang S., Miller D., Young E., Tiberio L., F'Kross K., Kelley M., Kloszewski E.** 1992: *Administration of human recombinant IL-7 to normal and irradiated mice increases the numbers of lymphocytes and some immature cells of myeloid lineage.* J. Immunol. 149:1276.
- Fischer A., Mallissen B.** 1998. *Natural engineered disorders of lymphocyte development.* Science 280:237-243.
- Fornace A. J. jr. Nebert D. W., Hollander M. C., Luethy J. D., Papathanasiou M., Fargnoli J., Holbrook N. J.** 1989. *Mammalian genes coordinately regulated by growth arrest signals and DNA-damaging agents.* Mol Cell Biol. 9:4196-4203.
- Fornace A. J., Alamo I., and Hollander M. C.** 1988. *DNA-damage-inducible transcripts in mammalian cells.* Proc. Natl. Acad. Sci USA 85:8800-8804.
- Freitas A. A. and Rocha B. B.** 1993. *Lymphocyte lifespan: homeostasis, selection and competition.* Immun. Today. 14: 25-29
- Fry D. C., Kuby S. A., and Mildvan A. S.** 1986. *ATP-binding site of adenylate kinase: Mechanistic implication of its homology with ras-encoded p21, F1-ATPase and other nucleotide-binding proteins.* Proc. Natl Acad. Sci. USA 83:907-911.
- Galaktionov K., Chen X., Beach D.** 1996. *Cdc25a cell-cycle phosphatase as a target of c-myc.* Nature 382:511-517.
- Galandrini R., Henning S. W., Cantrell D. A.** 1997. *Different functions of the GTPase Rho in prothymocytes and late pre-T cells.* Immunity 7:163-174
- Gartner F., Alt F. W., Monroe R., Chu M., Sleckman B. P., Davidson L., Swat W.** 1999. *Immature thymocytes employ distinct signaling pathways for allelic exclusion versus differentiation an expansion.* Immunity 10:537-546
- Ge Q., Hu H., Eisen N. H., Chen J.** 2002. *Naive to memory T-cell differentiation during homeostasis-driven proliferation.* Microbes and Infection 4 (2002): 555-558
- Geiselhart L.A., Humphries C.A., Gregorio T.A., Mou S., Subleski J., Komschlies K.L.** 2001. *IL-7 Administration Alters the CD4:CD8 ratio, Increases T Cell numbers, and increases T cell function in the absence of activation.* 3019-3027.
- Gerwins P., Blank J. L., Johnson G. L.** 1997. *Cloning of a novel mitogen-activated protein kinase kinase kinase, MEKK4, that selectively regulates the c-Jun amino terminal kinase pathway.* J. Biol. Chem. 272:8288-8295.
- Godfrey DI, Kennedy J, Suda T. and Zlotnik A.** 1993. *A developmental pathway involving four phenotypically and functionally distinct subsets of CD3-CD4-CD8-triple-negative adult mouse thymocytes defined by CD44 and CD25 expression.* J. Immunol. 150:4244-4252.
- Godfrey D. I., Zlotnik A.** 1993. *Control points in early T-cell development.* Immunol. Today 14:547
- Goldrath A. W. and Bevan M. J.** 1999. *Antagonist ligands for the TCR drive proliferation of mature CD8⁺ T cells in lymphopenic hosts.* Immunity. 11:183-190

- Goldrath A. W. and Bevan M. J.** 1999. *Selecting and maintaining a diverse T-cell repertoire.* Nature. 402:255-262
- Goldrath A. W., Bogatzki L. Y. and Bevan M. J.** 2000. *Naive T cells transiently acquired a Memory-like Phenotype during Homeostasis-driven Proliferation.* J. Exp. Med. 192:557-564
- Gomez M., Tybulewicz V., Cantrell D. A.** 2000. *Control of pre-T-cell proliferation and differentiation by the GTPase Rac-1.* Nat. Immunol. 1:348-352
- Gorbalenya A. E., and Koonin E. V.** 1993. *Helicases: amino acid sequence comparisons and structure-function relationships.* Curr. Opin. Struct. Biol. 3:419-429.
- Gregory S. H., Barczynski L. K., and Wing E. J.** 1992. *Effector function of hepatocytes and Kupffer cells in the reduction of systemic bacterial infections.* J. Leukocyte Biol. 51:421.
- Gross A., Jockel J., Wei M. C., and Korsmeyer S. J.** 1998. *Enforced dimerization of Bax results in its translocation, mitochondrial dysfunction and apoptosis.* EMBO J. 17:3878-3885
- Gross A., McDonnell J. M., Korsmeyer S. J.** 1999. *Bcl-2 family members and the mitochondria in apoptosis.* Gen. Devel. 13:1899-1911.
- Groves T., Parson M., Miyamoto NG., Guidos C.J.** 1997. *TCR engagement of CD4⁺CD8⁺ thymocytes in vitro induces early aspects of positive selection, but not apoptosis.* J. Immunol. 158:65-75
- Gubser C., and Smith G.** 2002. *The sequence of camelpox virus shows it is most closely related to variola virus, the cause of smallpox.* J. of General Virol. 83:855-872.
- Guidos C. J., Williams C. J., Grandak I., Knowles G., Huang M. T., Danska J. S.** 1996. *V(D)J recombination activates a p53-dependent DNA damage checkpoint in scid lymphocyte precursors.* Genes Dev. 10:2038-2054
- Haks M. C., Krimpenfort P., Borst J., Kruisbeek A. M.** 1998. *The TCR γ chain is essential for development of both the TCR $\alpha\beta$ and TCR $\gamma\delta$ lineages.* EMBO J. 17:1871-1882
- Haks M. C., Krimpenfort P., van den Brakel J. H., Kruisbeek A. M.** 1999. *Pre-TCR signaling and inactivation of p53 induces crucial cell survival pathways in pre-T cells.* Immunity 11:91-101
- Hanahan D.** 1983. *Studies on transformation of Escherichia coli with plasmids.* J Mol Biol, 166(4): 557-80.
- Harkin PD., Bean J.M., Miklos D., Song Y-H., Truong V.B., Englert C., Christians F.C., Ellison L.W., Maheswaran S., Oliner J.D., Haber D.A.** 1999. *Induction of GADD45 and JNK/SAPK-dependent apoptosis following inducible expression of BRCA1.* Cell 97:775-786.
- Heemskerk M. H., Blom B., Nolan G., Stegmann A. P., Bakker A. Q., Weijer K., Res P.C., Spits H.** 1997. *Inhibition of T cell and promotion of nature killer cell development by the dominant negative helix-loop-helix factor Id3.* J. Exp. Med. 186:1597-1602
- Henning S. W. Cantrell D. A.** 1998. *p56lck signals for regulating thymocyte development can be distinguished by their dependency on rho function.* J. Exp. Med. 188:931-939
- Henning S. W. Galandrini R., Hall A., Cantrell D. A.** 1997. *The GTPase Rho has a critical regulatory role in thymus development.* EMBO J. 16:2397-2407
- Herwig S., Strauss M.** 1997. *The retinoblastoma protein: a master regulator of cell cycle, differentiation and apoptosis.* Eur. J. Biochem. 246:581-601
- Hoffman E. S , Passoni L., Crompton T., Leu T. M. J., Schatz D. G., Koff A., Owen M J., Hayday A. C.** 1996. *Productive T-cell receptor b-chain gene rearrangement: coincident regulation of cell cycle and clonally during development in vivo.* Genes Dev. 10:948-962
- Iavarone A., Garg P., Lasorella A., Hsu J., Israel M. A.** 1994. *The helix-loop-helix protein ID2 enhances cell proliferation and binds to the Retinoblastoma protein.* Gene. Dev. 8:1270-1284.
- Iritani B. M., Alberola Ila J., Forbush K. A., Perlmutter R. M.** 1999. *Distinct signals mediate maturation and allelic exclusion in lymphocyte progenitors.* Immunity 10:713-722
- Jacks T.** 1996. *Lessons from the p53 mutant mouse.* J. Cancer Res. Clin. Oncol. 122:319-327
- Jacobson, M.D., Weil, M., and Raff, M. C.** 1997. *Programmed cell death in animal development.* Cell 88:347
- Janeway C. A., Bottomly K.** 1994. *Signals and signs for lymphocyte response.* Cell 76:275-85.

- Jenkins M. K., and Miller R. A.** 1992. *Memory and anergy: challenges to traditional models of T-lymphocyte differentiation.* The FASEB J. 6:2428.
- Jensen, E. R., A. A. Glass, W. R. Clark, E. J. Wing, J. F. Miller, S. H. Gregory.** 1998. *Fas (CD95)-dependent cell-mediated immunity to Listeria monocytogenes.* Infect. Immun. 66:4143.
- Jiang D., Leonardo M. J., Zuniga-Pflucker J. C.** 1996. *p53 prevents maturation to the CD4+CD8+ stage of thymocyte differentiation in the absence of T cell receptor rearrangement.* J. Exp. Med. 183:1923-1928
- Jimbo A., Fujita E., Kouroku Y., Ohnishi J., Inohara N., Kuida K., Akamaki K., Yonehara S., and Momoi T.** 2003. *ER stress induces caspase-8 activation, stimulation cytochrom c release and caspase-9 activation.* J. Exp. Cell Research. 283:156-166.
- Johansson-Lindbom B, Borrebaeck CA.** 2002. *Germinal center B cells constitute a predominant physiological source of IL-4: implication for Th2 development in vivo.* J Immunol Apr 1;168(7):3165-72.
- Ju S-T., Panka D. J., Cui H., Ettinger R., El-Khatib M., Sherr DH., Stanger BZ., Marshak-Rothstein A.** 1995. *Fas(CD95)/FasL interaction required for programmed cell death after T-cell activation.* Nature 373:444-448
- Jung U, Foley JE, Erdmann AA, Eckhaus MA, Fowler DH.** 2003. *CD3/CD28-costimulated T1 and T2 subsets: differential in vivo allo-sensitization generates distinct GVT and GVHD effects.* Blood. Nov 1;102(9):3439-46. Epub 2003 Jul 10.
- Kabran NH, Kang C., Hsing LC., Zhang J., Winoto A.** 2001. *T cell-specific FADD-deficient mice: FADD is required for early T cell development* Proc. Natl. Acad. Sci. USA 98:6307-12
- Kagi, D., B. Ledermann, K. Burki, H. Hengartner, R. M. Zinkernagel.** 1994. *CD8+ T cell-mediated protection against an intracellular bacterium by perforin-dependent cytotoxicity.* Eur. J. Immunol. 24:3068.
- Kamogawa Y., Minasi LE., Carding SR., Bottomly K., Flavell RA.,** 1993. *The relationship of IL-4 and INF- γ -producing T cells studied by ablation of IL-4 producing cells.* Cell 75:985-995
- Kang D.-C. Gopalkrishnan R.V., Wu Q., Jankowsky E., Pyle A.M., and Fisher P.B.** 2002. *mda5: An interferon-inducible putative RNA helicase with double-stranded RNA-dependent ATPase activity and melanoma growth-suppressive properties.* Proc. Natl. Acad. Sci. USA 99:637-642.
- Kang K.H. Kin W.H., Choi K.H.** 1999. *p21 promotes ceramide induced apoptosis and antagonizes the anti-death effect of Bcl2 in human hepatocarcinoma cells.* Exp. Cell Rev. 258:403-412.
- Karin M.** 1998. *Mitogen-activated protein kinase cascades as regulators of stress responses.* Annu N.Y. Acad. Sci. 851:139-146.
- Kastan M.B., Zhan Q., El-Deiry W.S., Carrier F., Kacks T., Walsh W.V., Plunkett B.S. Vogelstein B., and Fornace A.J. jr.** 1992. *A mammalian checkpoint pathway utilizing p53 and GADD45 is defective in ataxia-telangiectasia.* Cell 71:587-597.
- Kaufman R.J.** 1999. *Stress signaling from the lumen of the endoplasmic reticulum: coordination of gene transcriptional controls.* Genes Dev. 13:1211-1233.
- Kaufmann R. J.** 2002. *Orchestrating the unfolded protein response in health and disease.* J. Clin. Invest. 110:1389-98.
- Kaufmann S.H.E.** 1993. *Immunity to intracellular bacteria.* Annu. Rev. Immunol. 11:129-163.
- Kaufmann S.H.E.** 1999. *Immunity to intracellular bacteria.* In *fundamental Immunology*, 4th Ed. W.E. Paul, ed. Lippincott-Raven, Philadelphia, p. 1335.
- Kearse KP., Takahama Y., Punt JA., Sharow SO., Singer A.** 1995. *Early molecular events induced by T cell receptor (TCR) signalling in immature CD4+CD8+ thymocytes: increased synthesis of TCR-alpha protein is an early response to TCR signalling that compensates for TCR-alpha instability, improves TCR assembly, and parallels other indicators of positive selection.* J. Exp. Med. 181:193-202
- Kearsey J.M., Cates P.J., Prescott A.R., Warbrick E., Hall P.A.** 1995. *Gadd45 is nuclear cell cycle regulates protein which interacts with p21CIP1.* Oncogene 11:1675-83.
- Kelekar A., Chang BS., Harlan JE., Fesik S., Thompson CB.** 1997. *Bad Is a BH3 Domain-Containing Protein That Forms an Inactivating Dimer with Bcl-xL.* Molecular and Cellular Biology 1997: 7040-7046
- Kerr, JFR., Wyllie, A.H., Currie, AR.** *Apoptosis: A basic biological phenomenon with wide-ranging implication in tissue kinetics.* Br J Cancer. 1972; 26:239-57

- Kieper W.C. and Jameson S.C.** 1999. *Homeostatic expansion and pheotypic conversion of naive T-cells in response to self peptide/MHC ligands.* Proc. Natl. Acad. Sci. USA. 96:13306-13311
- Kieper W.C., Tan J.T., Bondi-Boyd B., Gapin L., Sprent J., Ceredig R., Surh C.D.** 2002. *Overexpression of interleukin (IL)-7 leads to IL-15-independent generation of memory phenotype CD8⁺ T cells.* J. Exp. Med. 195:1533-1539.
- Kim D.G., You K.R. Liu M.J., Choi Y.K., Won Y.S.** 2002. *GADD153-mediated anticancer effects of N-(4-Hydroxyphenyl)retinamide on human hepatoma cells.* J.Biol.Chem. 277:38930-38938.
- Kirberg J., Berns A., von Boehmer H.** 1997. *Peripheral T cell survival requires continual ligation of the T cell receptor to major histocompatibility complex-encoded molecules.* J. Exp. Med. 186:1269-75
- Kisielow, P., Hirst, J.A., Shiku, H., Beverley, P., Hoffmann, M.K., Boyse, E.A., and Oettgen, H.F.** 1975. *Ly antigens as markers for functionally distinct subpopulations of thymus derived lymphocytes of the mouse.* Nature 253:219-221
- Komschlies K.L., Gregorio T.A., Gruys M.E., Back T.C., Faltynek R.C., Wiltrott R.H.** 1994. *Administration of human IL-7 to mice alters the composition of B-lineage cells and T cell subsets, enhances T cell function, and induces regression of established metastases.* J. Immunol. 152:5776
- Krammer, P.H., Behrmann, I., Daniel, P., Dhein, J., and Debin, K.M.** 1994. *Regulation of apoptosis in the immune system.* Curr Opin Immunol 6:279
- Kranzer KT.** 2001. *Direkte und indirekte Effekte von CpG-Oligodeoxynukleotide auf humane T-Lymphozyten*
- Kyriakis J.M., Avruch J.** 1996. *Sounding the alarm: Protein kinase cascade activated by stress and inflammation.* J. Biol. Chem. 271:24313-24316.
- Laabi Y., Strasser A.** 2000. *Lymphocyte survival-Ignorance is Blys.* Science 289:883-85
- Ladel C.H., Fleisch I.E., Arnoldi J., and Kaufmann S.H.E.,** 1994. *Studies with MHC-deficient knock-out mice reveal impact of both.* M. J. Immunol.. 153:3116-3122.
- Lasorella A., Iavarone A. Israel M.A.** 1996. *ID2 specifically alters regulation of the cell cycle by tumor suppressor proteins.* Mol. Cell. Biol. 8:2570-2578.
- Lee A.W., Iwakoshi N.N., Glimcher L.H.** 2003. *XBP-1 regulates a subset of endoplasmic reticulum resident chaperone genes in the unfolded protein response.* Mol. Cell. Biol. 23:7448-7459.
- Lee K., Tirasophon W., Shen X., Michalak M., Prywes R., Okada T., Yoshida H., Mori K., Kaufman R. J.,** 2002. *IRE-mediated unconventional mRNA splicing and S2P-mediated ATF6 cleavage merge to regulate XBP1 in signaling the unfolded protein response.* Gene Dev. 16:452-466.
- Liao X.C, Littman D.R.,** 1995. *Altered T cell receptor signaling and disrupted T cell development in mice lacking Itk.* Immunity 3:757-769
- Lin EY: Orlofsky A., Berger MS., and Prystowsky MB.** 1993. *Characterization of A1, a novel hemopoietic-specific early response gene with sequence similarity to bcl-2.* J. Immunol. 151: 1979-1988
- Lind EF., Prockop SE., Porritt HE., Petrie HT.** 2001. *Mapping precursor movement through the postnatal thymus reveals specific microenvironments supporting defined stages of early lymphoid development.* J. Exp. Med. 194:127-34
- Linder P., and Daugeron M.-C.** 2000. *Are DEAD-box proteins becoming respectable helicases?* Nature Struct. Biol. 7:97-99.
- Liu K.Q., Bunnell S.C., Gurniak C.B., Berg L.J.** 1998. *T cell receptor initiated calcium entry in Itk-deficient T-cells.* J. Exp- Med. 187:1721-1727
- Lucas J.A., Atherly L.O., Berg L.J.** 2002. *The absence of Itk inhibits positive selection without changing lineage commitment.* J. Immunol. 168:6142-6151
- Lueking A., Stahl U., and Schmidt U.** 1998. *The protein family of RNA helicases.* Crit. Rev. biochem. Mol. Biol. 33:259-296.
- Mackness G.P.** 1962. *Cellular resistance to infection.* J. Exp. Med. 116:381.
- Mackay C.R.** 1993. *Homing of naive, memory and effector lymphocytes.* Curr. Opin. Immunol. 5:423-427.
- MacLachlan TK., Sang N., Giordano A.** 1995. *Cyclins, cyclin-dependent kinase and cdk-inhibitors: implication in cell cycle control and cancer.* Crit. Rev. Eukaryotic Gene expression. 5:127-156

- Malissen B., Ardouin L., Lin S., Gillet A., Malissen M.** 1999. *Function of the CD3 subunits of the pre TCR and TCR complexes during T cell development.* Adv Immunol. 72:103-148
- Malissen M., Gillet A., Ardouin L., Bouvier G., Trucy J., Ferrier P., Vivier E., Malissen B.** 1995. *Altered T cell development in mice with a targeted mutation of the CD3- ϵ gene.* EMBO J. 14:4641
- Marsden V.S., Strasser A.** 2003. *Control of apoptosis in the immun system: Bcl-2, BH3-only proteins and more.* Annual review immunology 21: 71-105
- Martin SM, Mehta IK, Yokoyama WM, Thomas ML, Lorenz RG.** 2001. *Development of intestinal intraepithelial lymphocytes, NK cells, and NK 1.1+ T cells in CD45-deficient mice.* J Immunol. May 15;166(10):6066-73.
- Massari M.E., Murre C.** 2000. *Helix-loop-helix proteins: regulators of transcription in eucariotic organisms.* Mol. Cell Biol.. 20:429-440
- Medema JP., Borst J.** 1999. *T Cell signaling: A decision of life and death.* Human Immunology 60:403-411.
- Medzhitov R., and Janway C., Jr.** 2000. *The Toll receptor family and microbial recognition.* Trends Microbiol. 8:452-456.
- Melchers, F., Haasner, D., Grawunder, U., Kalberer, C., Karasuyama, H., Winkler, T., and Rolink, A.D.** 1994. *Roles of IgH and L chains and of surrogate H and L chains in the development of cells of the B lymphocyte lineage.* Annu Rev Immunol 12:209
- Melchers, F., Karasuyama, H., Haasner, D., Bauer, S., Kudo, A., Sakaguchi, N., Jameson, B., and Rolink, A.** 1993. *The surrogate light chain in b-cell development.* Immunol. Today 14:60.
- Merritt C., Enslin H., Diehl N., Conze D., Davis R.J., Rincon M.** 2000. Mol. Cell Biol. 20:936-946
- Miyamoto M., Emoto M., Emoto Y., Brinkmann V., Yoshizawa I., Seiler P., Aichele P., Kita E., Kaufmann S. H. E.** 2003. *Neutrophils in LFA-1-deficient mice confers resistance to listeriosis: possible contribution of granulocyte-colony-stimulating factor and IL-17.* J. Immunol. 170:5228-5234.
- Michie A. M. and Zuniga-Pflucker J. C.** 2002. *Regulation of thymocyte differentiation: pre-TCR signals and β -selection.* Sem Immunol. 14:311-323
- Miller A.T., Berg L.J.** 2002. *Defective Fas ligand expression and activation-induced cell death in the absence of Il-2-inducible T cell kinase.* J. Immunol. 168:2163-2172
- Miyashita T., and Reed JC.** 1995. *Tumor suppressor p53 is a direct transcriptional activator of the human bax gene.* Cell 80:293-299
- Molina T. J., Kishihara K., Siderovski D. P., van Ewijk W., Navendran A. W., Timms E., Wakeham A., Paige C. J., Hartmann K. U., Veillette A., Davidson D., Mark T. W.** 1992. *Profound block in thymocyte development in mice lacking p56^{Lck}.* Nature 357:161-164
- Mombaerts P., Anderson J. S., Perlmutter R. M., Mak T. M., Tonegawa S.** 1994. *An activated lck transgene promotes thymocyte development in RAG-1 mutant mice.* Immunity 1:261-267
- Mombaerts P., Iacomini J., Johnson R. S., Herrup K., Tonegawa S., Papaioannou V. E.** 1992. *RAG-1-deficient mice have no mature B and T lymphocytes.* Cell 68:869-877
- Morgan D. O.** 1995. *Principles of CDK regulation.* Nature 374:131-4
- Morishima N., Nakanishi K., Tekenouchi H., Shibata T., and Yasuhiko V.** 2002. *An endoplasmatic reticulum stress-specific caspase cascade in apoptosis.* J. Biol. Chem. 277:34287-34794.
- Morrison LA., Lukacher AE., Braciale VL., Fan DP., Braciale TJ.** 1986. *Differences in antigen presentation to MHC class I- and class II-restricted influenza virus-specific cytosolic T lymphocyte clones.* J. Exp. Med. 163:903-921
- Morrissey P.J., Conlon P., Charrier K., Braddy S., Alpert A., Williams D., Namen A.E., Mochizuki D.** 1991. *Administration of IL-7 to normal mice stimulates B-lymphopoiesis and peripheral lymphadenopathy.* J. Immunol. 147:561
- Mosmann TR., Cherwinski H., Bond MW., Giedlin MA., Coffman.** 1986. *Two types of murine helper T cell clone. I. Definition according to profiles of Lymphokine activities and secreted proteins.* J. Immunol. 136:2348-2357
- Murali-Krishna K., Ahmed R.** 2000. *Naive T cells masquerading as memory cells.* J. Immunol.

- Murali-Krishna K., Lau L.L., Sambhara S., Lemonnier J., Altman J. and Ahmed R.** 1999. *Persistence of memory CD8 T cells in MHC class I-deficient mice.* Science 286:1377-1381.
- Muranski P., Chmiliowski B. and Ignatowicz L.** 2000. *Mature CD4⁺ T cells perceive a positive selecting class II MHC/peptide complex in the periphery.* J. Immunol. 164:3087-3094
- Mutoh H., Naya F.J., Tsai M.J. Leiter A.B.** 1998. *The basic helix-loop-helix protein BETA2 interacts with p300 to coordinate differentiation of secretin-expressing enteroendocrine cells.* Genes Dev. 12:820-830.
- Nakagawa T., and Yuan J.**, 2000a. *Cross-talk between two cysteine protease families. Activation of caspase-12 by Calpain in apoptosis.* J. Cell Biol. 150:887-894.
- Nakagawa T., Zhu H., Morishima N., Li E., Xu J., Yankner B.A. and Yuan J.** 2000b. *Caspase-12 mediates endoplasmic-reticulum-specific apoptosis and cytotoxicity by amyloid-beta.* Nature. 400:98-103.
- Nakayama K., Nakayama K-I., Negishi I., Kuida K., Sawa H., Loh D.Y.** 1994. *Targeted disruption of bcl-2ab in mice: occurrence of gray hair, polycystic kidney disease, and lymphocytopenia.* Proc. Natl. Acad. Sci. USA 91:3700-4
- Narita M., Shimizu S, Ito T., Chittenden T., Lutz R.J., Matsuda H., Tsuchimoto Y.** 1998. *Bax interacts with the permeability transition pore to induce permeability transition and cytochrom c release in isolated mitochondria.* Proc. Natl. Acad. Sci. USA 95:14681-6
- Newton K, HarrisAW., Bath ML., Smith KGC., Strasser A.** 1998. *A dominant interfering mutant of FADD/Mort1 enhances deletion of autoreactive thymocytes and inhibits proliferation of mature T lymphocytes.* EMBO J. 17:706-718
- Newton K., Harris AW., Strasser A.** 2000. *FADD/MORT1 regulates the pre-TCR checkpoint and can function as a tumour suppressor.* EMBO J. 19:931-41
- Nioulescu A.R., Chen X., Smeets M., Hengst L., Pives C., Reed S.** 1998. *Effect of p21CIPWAF in both G1/S und G2/M cell cycle transitions: pRB is a critical determinant in blocking DNA replication and in preventing endoreduplication.* Mol.Cell. Biol. 18:629-643.
- North R.J., and Conlan J.W.** 1998. *Immunity to listeria monocytogenes.* Chem. Immunol. 70:1.
- Norton J.D** 2000. *ID helix-loop-helix proteins in cell growth, differentiation and tumorigenesis.* J. Cell Science 113:3897-3905.
- O'Shea C. C., Thornell A. P., Rosewell I. R., Hayes B., Qwen M. J.** 1997. *Exit of the pre-TCR from the ER/cis-Golgi is necessary for signaling differentiation, proliferation, and allelic exclusion in immature thymocytes.* Immunity 7:591-599
- O'Neill H.C.** 1987. *Isolation of thymus homing lyt-2-, L3T4-T-cell lines from mouse spleen.* Cell Immunol. 109:222-230.
- O'Neill H.C., Ni. K., and O'Neill T.J.**1992. *Lymphoid precursor cell lines have the capacity to migrate to multiple lymphoid sites.* Immunology 76:631-635.
- Oehen S. and Brduscha-Riem K.** 1999. *Naive cytotoxic T lymphocytes spontaneously acquire effector function in lymphocytopenic recipients: a pitfall for T cell memory studies ?* Eur. J. Immunol. 29 :608-614
- Ogryzko V.V., Wong P., and Howard B.H.** 1997. *WAF1 retards S-Phase progression primarily by inhibition of cell cycle dependent kinase.* Mol. Cell. Biol. 17:17:4677-4682.
- Pear W. S., Nolan G. P., Scott M. L., and Baltimore D.** 1993. *Production of high-titer helper-free retroviruses by transient transfection.* Proc. Natl. Acad. Sci. USA. 90:8392-8396.
- Pellicci DG, Uldrich AP, Kyparissoudis K, Crowe NY, Brooks AG, Hammond KJ, Sidobre S, Kronenberg M, Smyth MJ, Godfrey DI.** 2003. *Intrathymic NKT cell development is blocked by the presence of alpha-galactosylceramide.* Eur J Immunol. Jul;33(7):1816-23.
- Penit C., Lucas B., Vasseur F.** 1995. *Cell expansion and growth arrest phases during the transition from precursors (CD4⁻CD8⁻) to immature (CD4⁺CD8⁺) thymocytes in normal and genetically modified mice.* J. Immunol. 154:5103-5113
- Perez-Sala D., and Mollinedo F.** 1995. *Inhibition of N-linked glycosylation induces early apoptosis in human promyelocytic HL-60 cells.* J. Cell Physiol. 163:523-531.
- Peschon JJ., Morrissey PJ. Grabstein KH., Ramsdell FJ., Maraaskovsky E., Gliniak BC., Park LS., Ziegler ZF., Williams DE. Ware CB., Meyer JD., Davidson Bl.,** 1994. *Early Lymphocyte expansion is severely impaired in interleukin 7 receptor-deficient mice.* J. Exp. Med. 180: 1955-60

- Petrie HT., Livak F., Schatz DG., Strasser A., Crispe NI., Shortmann K.** 1993. *Multiple rearrangement in TCR- α chain genes maximize the production of usefull thymocytes*: J. Exp. Med. 178:615-22
- Pucci B., Kasten M., Giordano A.** 2000. *Cell cycle and apoptosis*. Neoplasia 2:291-299.
- Rammensee HG.** 1996. *Antigen presentation--recent developments*. Int Arch Allergy Immunol. Aug;110(4):299-307.
- Raulet DH.** 1989. *Immunology Antigens for gamma/delta T cells*. Nature 339:342-3
- Raulet DH.** 1989. *The structure, function, and molecular genetics of gamma/delta T cell receptor*. Annu. Rev. Immunol. 7:175-207.
- Reimertz C., Kögel D., Rami A., Chittenden T. and Prehn J. H. M.** 2003. *Gene expression during ER stress-induced apoptosis in neurons: induction of the BH3-only protein Bbc3/PUMA and activation of the mitochondrial apoptosis pathway*. J. Cell Biol. 162(4):587-597.
- Reizis B, Schild H, Stefanovic S, Mor F, Rammensee H, Cohen IR.** 1997. *Peptide binding motifs of the MHC class I molecules (RT1.A1) of the Lewis rat*. Immunogenetic. 45(4):278-9.
- Rincon M., Whitmarsh A., Yang D. D., Weiss L., Derijard B., Jayaraj P., Davis R.J., Flavell R. A.** 1998. *The JNK pathway regulates the in vivo deletion of immature CD4(+)CD8(+) thymocytes*. J. Exp. Med. 188:1817-1830
- Rocha B., Dautigny N., and Pereira P.** 1989. *Peripheral T-lymphocytes: expansion potential and homeostatic regulation of pool sizes and CD4/CD8 ratios in vivo*. Eur. J. Immunol. 19: 905-911.
- Roitt I.M.,** 1993. *Leitfaden der Immunologie* . 4. Auflage; Blackwell Wissenschaft , Berlin
- Rothenberg E. V., Chen D., Diamond R. A.** 1993. *Functional and phenotypic analysis of thymocytes in SCID mice. Evidence for functional response transitions before and after the SCID arrest*. J. Immunol. 151:3530.
- Rouvier E., Luciani M. F., and Golstein P.** 1993. *Fas involvement in Ca²⁺-independent T-cell-mediated cytotoxicity*. J. Exp. Med. 177:195-200.
- Rudd CE.,** 1996. *Upstream-downstream: CD28 cosignaling pathways and T cell function*. Immunity. 4:527-34
- Rueggsegger U., Leber J.H., Walter P.** 2001. *Block of HAC1 mRNA translation by long-range base pairing is released by cytoplasmic splicing upon induction of the unfolded protein response*. Cell 107:103-114.
- Sambrook J., Fritsch E. F., et al.** 1989. *Molecular Cloning: A laboratory manual*. Cold Spring Harbour Laboratory Press.
- Saraste M., Sibbald P.R., and Wittinghofer A.** 1990. *The P-loop – a common motif in ATP- and GTP-binding proteins*. Trends Biochem. Sci. 15:430-434.
- Schaeffer E.M.** 1999. *Requirement for Tec kinase Rlk and Itk in T cell receptor signaling and immunity*. 284:638-641
- Schaeffer E.M., Broussard C., Debnath J., Anderson S., McVicar D.W., Schwartzberg W.L.** 2000. *Tec family kinases modulate thresholds for thymocyte development and selection*. J. Exp. Med. 192:987-1000
- Schluns K.S., Kieper W.C., Jameson S.C. and Lefrancois L.** 2000. *Interleukin-7 mediates the homeostasis of naive and memory CD8 T cells in vivo*. Nat. Immunol. 1:426-432.
- Schwarz D. A., Katayama C. D., and Hedrick S. M.** 1998. *Schlafen, a new family of growth regulatory genes that affect thymocyte development*. Immunity 9:657-668.
- Schwarz G.** 2002. *Untersuchungen zur Bedeutung endosomaler/lysosomaler Proteasen in subzellulären Kompartimenten antigenpräsentierende Zellen*. Dissertation Eberhard-Karls.Universität
- Selvakumaran M., Lin H-K., Sjin R.T.T., Reed J.C., Liebermann D.A. and Hoffmann B.** 1994. *The novel primary response gene MyD118 and the protooncogenes myb, myc, and bcl-2 modulate transforming growth factor β 1-induced apoptosis of myeloid leukemia cells*. Mol. Cell. Biol. 14:2352-2360.
- Sen J., Arceci R.J. Jones W., Burakoff S.J.** 1989. *Expression and ontogenie of murine CD2*. Eur. J. Immunol. 19(7):1297-1302.
- Shamu C.E. and Walter P.** 1996. *Oligomerization and phosphorylation of the IRE1p kinase during intracellular signaling from endoplasmatic reticulum to the nucleus*. EMBO J. 15:3028-3039.
- Sheikh M.S., Hollander M.C., Fornace A.J. Jr.** 2000. *Role of Gadd45 in apoptosis*. Biochem. Pharmacol. 59:43-45.

- Shinkai Y., Rathbun G., Lam K. - P., Oltz E. M., Stewart V., Mendelsohn M., Charron J., Datta M., Young F., Stall A. M., Alt F. W.** 1992. *RAG-2-deficient mice lack mature lymphocytes owing to inability to initiate V(D)J rearrangement.* Cell 68:855-867.
- Shires J., Theodoridis E., and Hayday A. C.** 2001. *Biological insights into TCR $\delta\gamma^+$ and TCR $\alpha\beta^+$ intraepithelial lymphocytes provided by serial analysis of gene expression (SAGE).* Immunity 15:419-434.
- Shortman K., Wu L.** 1996. *Early T lymphocyte progenitors.* Annu. Rev. Immunol.
- Smith M.L., Chen I.T., Zhan Q., Bae I., Chen C.Y., Gilmer T.M., Kastan M.B., O'Connor P.M., Fornace A.J. Jr.** 1994. *Interaction of the p53-regulated protein Gadd45 with proliferating cell nuclear antigen.* Science 266:1376-1380.
- Sok J., Wang X.Z. Batchvarova N., Kuroda M., Harding H., Ron D.** 1999. *CHOP-dependent stress-inducible expression of a novel form of carbonic anhydrase VI.* Mol. Cell. Biol. 19:495-504.
- Starr TK., Jameson C., and Hogquist A.,** 2003. *Positive and negative selection of T cells.* Annu. Rev. Immunol. 2003. 21: 139-76
- Stegh, AH., Schicklin, O., Ehret A., Scaffidi, Peterhänsel C., Längst G., Hofmann T., Grummt I., Adams JM., Cory S.** 1998. *The Bcl-2 Protein Family: Arbiter of Cell Survival.* Science 281: 1322-1326
- Surh C.D. and Sprent J.** 2000. *Homeostatic T cell proliferation. How far can T-cells be activated to self-ligands ?* J. Exp. Med. 192:F9-F14
- Swat W., Shinkai Y., Cheng H. L., Davidson L., Alt F.W.** 1996. *Activated Ras signals differentiation and expansion of CD4⁺CD8⁺ thymocytes.* Proc. Natl. Acad. Sci. USA 93:4683-4687
- Takegawa M., Posas F., Saito H.** 1997. *A human homolog of the yeast Ssk/Ssk22 MAP kinase kinase kinase, MTK1, mediates stress-induced activation of the p38 and JNK pathways.* EMBO J. 16: 4973-4982.
- Takekawa M., Saito H.** 1998. *A family of stress-responsive MTK1/MEKK4 MAPKKK.* Cell 95:521-530.
- Tan J.T. Dudl E., LeRoy E., Murray R., Sprent J., Weinberg K.I. and Surh C.D.** 2001. *IL-7 is critical for homeostatic proliferation and survival of naive T cells:* Proc. Natl. Acad. Sci. USA. 98:8732-8737
- Tan YJ. Beerheide W., and Ting AE.** 1999. *Biophysical Characterization of the Oligomeric State of Bax and its Complex Formation with Bcl-x_L* 253:334-339
- Tanchot D., Rosado M.M., Agenes F., Freitas A.A., and Rocha B.** 1997. *Lymphocyte Homeostasis.* Semin. Immunol. 9:331-337
- Tashian R.E.** 1989. *The carbonic anhydrases: widening perspectives on their evolution, expression and function.* Bioessays 10:186-192.
- Teague TK., Marrack P., Kappler JW., Vella AT.** 1997. *IL-6 rescues resting mouse T cells from apoptosis.* J. Immunol. 158:5791-96.
- Teixeira H. C., and Kaufmann S. H. E.** 1994. *Role of NK1.1+ cells in experimental Listeriosis: MK1+ cells are early IFN-g producers but impair resistance to Listeria monocytogenes infection.* J. Immunol. 152:1873.
- Tirasophon W., Lee K., Callaghan B., Welihinda A., Kaufman R.J.** 2000. *The endoribonuclease activity of mammalian IRE1 autoregulates its mRNA and its mRNA and is required for the unfolded protein response.* Genes Dev. 14:2725-2736.
- Turka LA., SchatzDG., Oettinger MA., Chun JJM., Gorka C., Lee K., McCormack WT., Thompson CB.** 1991. *Thymocytes expression of RAG-1 and RAG-2: termination by TCR crosslinking.* Science 253:778-81
- Vairapandi M., Balliet A.G., Fornace A.J., Hoffman B., and Liebermann D.A.** 1996. *The differentiation primary response gene MYD118, related to GADD45, encodes for a nuclear protein which interacts with PCNA and p21^{CIP1/WAF1}.* Oncogene 12:2579-2594.
- Veis DJ., Sorenson CM., Shuttler JR., Korsmeyer SJ.** 1993. *Bcl-2-deficient mice demonstrate fulminant lymphoid apoptosis, polycystic kidneys, and hypopigmented hair.* Cell 75:229-40
- Vella A., Teague TK., Ihle J., Kappler J., Marrack P.** 1997. *Interleukin 4 (IL-4) or IL-7 prevents the death of resting T cells: Stat6 is probably not required for the effect of IL-4.* J. Exp. Med. 186:325-30
- Vella AT., Dow S., Potter TA., Kappler J., Marrack P.** 1998. *Cytokine-induced survival of activated T cells in vitro and in vivo.* Proc. Natl. Acad. Sci. USA 95:3810-15
- Vennstrom B., Sheiness D., Zabielski J., Bishop J.M.,** 1982. *Isolation and characterization of c-myc, a cellular homolog of the oncogene (v-myc) of avian myelocytomatosisvirus strain 29.* J. Virol. 42:-773-779.

- Vermes I., Haanen C., Steffens-Nakken H., and Reutlingsperger C.** 1995. *A novel assay for apoptosis. Flow cytometric detection of phosphatidylserine expression on early apoptotic cells using fluorescein labelled Annexin V.* J. Immunol. Methods. 184:39-51.
- Viret C., Wong F.S. and Janeway C.A., Jr** 1999. *Designing and maintaining the mature TCR repertoire : the continuum of self-peptide:self-MHC complex recognition.* Immunity: 10:559-568
- Vogelstein B., Lane D., Levine A.J.** 2000. *Surfing the p53 network.* Nature 408:307-310.
- Von Freeden-Jeffry U., Solvason N., Howard M., and Murray R.** 1997. *The earliest T lineage-committed cells depend on IL-7 for Bcl-2 expression and normal cell cycle progression.* Immunity 7:147-154
- Von Freeden-Jeffry U., Vieira P., Lucian LA., McNeil T., Burdach SEG., Murray R.,** 1995. *Lymphopenia in interleukin(IL)-7 gene-deleted mice identifies IL-7 as a nonredundant cytokine.* J. Exp. Med. 181: 1519-26
- Vousden K.H. Lu X.** 2002. *Live or let die: the cell's response to p53.* Nature Rev. Cancer 2:594.604.
- Waga S., Hannon G., Beach D.; Stillman B.** 1994. *The p21 inhibitor of cyclin-dependent kinase controls DNA replication by interaction with PCNA.* Nature 369:574-578.
- Walker J.M., Saraste M.J., Runswick J.J., and G.N.J.** 1982. *Distantly related sequences in the a- and b-subunits of ATPase, myosin, kinases and other ATP-requiring enzymes and a common nucleotid-binding fold.* EMBO J. 1:945-951.
- Wang W., Furneaux H., Cheng H., Caldwell M.C., Hutter D., Liu Y., Holbrook N., Gorospe M.** 2000. *HuR regulates p21 mRNA stabilization by UV light.* Mol. Cell. Biol. 20 (3):760-769.
- Wang X.W., Vermeulen W., Coursen J.D., Gibson M., Lupold S.E., Forrester K., Xu G., Elmore L., Yeh H., Hoeijmakers J.H., and Harris C.C.** 1996. *The XPB and XPD DNA helicases are components of the p53-mediated apoptosis.* Genes Dev. 10:1219-1232.
- Wang X.Z. and Ron D.** 1996. *Stress-induced phosphorylation and activation of the transcription factor CHOP (GADD153) by p38 MAP kinase.* Science 272:1347-1349.
- Weiss A.** 1991. *Molecular nad genetic insight into T cell receptor structure and function.* Annu. Rev. Genet. 25:487-510
- Weiss A., Littmann R.,** 1994. *Signal transduction by lymphocyte antigen receptors.* Cell 76:263-274.
- Weissman I.L.** 1994: *Developmental switches in the immun system.* Cell 76:207-218.
- Wessel J. T.** 2002. *Inhibierung Supeerantigen-induzierter T-Zellproliferation durch neue synthetische Peptide*
- Whetsell M., Mosley RL., Whetsell L., Schaefer FV., Miller KS., Klein JR.** 1991. *Rearrangement and junctional-site sequence analyses of T-cell receptor gamma genes in intestinal intraepithelial lymphocytes from murine athymic chimeras.* 1991 Mol Cell. Biol. 11:5902-5909
- Wolter, K.G., Hsu. Y.T., Smith. C.L., Nechushtan, A., Xi, X.G. and Youle R.J.** 1997. *Movement of Bax from the cytosol to mitochondria during apoptosis.* J. Cell. Biol. 139: 1281-1292.
- Wu M. X.** 2003. *Roles of the stress-induced gene IEX-1 in regulation of cell death and oncogenesis.* Apoptosis 8:11-18.
- WurmF.M., Gwin K.A., and Kingston R.E.** 1986. *Inducible overproduction of the mouse c-myc protein in mammalian cells.* Proc Natl. Acad. Scie. USA 83:5414-5418.
- Yagita H., Nakamura T., Karasuyama H and Okumura K** 1989. *Monoclonal antibodies specific for murine CD2 reveal its presence an B as well T cells.* Proc. Natl. Acad. Scie. USA 86:643-649.
- Yin Y., Liu Y.-X., Jin Y. J., Hall E. J., and Barrett J. C.** 2003. *PAC1 phosphatase is a transcription target of p53 in signalling apoptosis and growth suppression.* Nature 422:527-531.
- Yokota Y.** 1999. *Development of peripheral lymphoid organs and natural killer cells depends on the helix-loop-helix inhibitor Id2.* Nature 397:702-706
- Yoshida H., Matsui T., Yamamoto A., Okada T., Mori K.** 2001. *XPB1 mRNA is induced by ATF6 and spliced by IRE1 in response to ER stress to produce a highly active transcription factor.* Cell 107:881-891.
- Young F., Ardman B., Shinkai Y., Lansford R., Balckwell T.K., Mendelsohn M., Rolink A., Melcher F., Alt F.W.** 1994. *Influence of immunoglobulin heavy- and light -chain expression on B cell differentiation [published erratum appears in Genes Dev. 1995.]3190] Genes Dev. 8:1043*

- Zhan Q., Antinore M.J., Wang X.W., Carrier F., Smith M.L., Harris C.C., and Fornace A.J., Jr.** 1999. *Association with Cdc2 and inhibition of Cdc2/CyclinB1 Kinase activity by the p53 regulated protein Gadd45.* Oncogene 18:2892-2900.
- Zhan Q., Liebermann D.A., Alomao J., Hollander M.C., Ron D., Kohn K.W., Hoffman B., and Fornace A.J.** 1994. *The gadd and MyD genes define a novel set of mammalian genes encoding acidic proteins that cooperatively suppress cell growth.* Mol. Cell Biol. 14:2361-2371.
- Zhang H., Hannon G.J., Beach D.** 1994. *p21-containing cyclin kinases exists in both active and inactive states.* Genes. Dev. 8:1750-8
- Zhang W., Bae I., Krishnaraju K., Azam N., Fan W., Smith K., Hoffman B., Liebermann D.A.** 1999. *CR6: A third member in the MyD118 and Gadd45 gene family which functions in negative growth control.* Oncogene 18:4899-4907.
- Zhumabekov T. P., Corbella M., Tolaini M., Kioussis D.** 1995. *Improved version of a human CD2 minigene based vector for T-cell specific expression on transgenic mice.* J. Immunol. Methods. 185:133-140.
- Zong W.X., Li C., Hatzivassiliou G., Lindsten T., Yu Q.C., Yuan J., Thompson C.B.** 2003. *Bax and bak can localize to the endoplasmic reticulum to initiate apoptosis.* J. Cell Biol. 162:59-69.