

8 Literaturverzeichnis

- Alisauskus, R., Wong, G.Y., and Gold, D.V. (1995) Initial studies of monoclonal antibody PAM4 targeting to xenografted orthotopic pancreatic cancer. *Can.Res.* 55: 5743s-5748s.
- Ambudkar, S.V., Dey, S., Hrycyna, C.A., Ramachandra, M., Pastan, I., and Gottesman, M.M. (1999) Biochemical, cellular, and pharmacological aspects of the multidrug transporter. *Annu.Rev.Pharmacol.Toxicol.* 39:361-98.: 361-398.
- Amylon, M.D., Shuster, J., Pullen, J., Berard, C., Link, M.P., Wharam, M., Katz, J., Yu, A., Laver, J., Ravindranath, Y., Kurtzberg, J., Desai, S., Camitta, B., and Murphy, S.B. (1999) Intensive high-dose asparaginase consolidation improves survival for pediatric patients with T cell acute lymphoblastic leukemia and advanced stage lymphoblastic lymphoma: a Pediatric Oncology Group study. *Leukemia* 13: 335-342.
- Avila, C. (1995) Natural Products of Ophistobranch Molluscs: A Biological Review. *Oceanography and Marine Biology: Annual Review* Vol. 33, 487.
- Bast, R.C., Kufe, D.W., Pollock, R.E., Weichselbaum, R.R., Holland, J.F. and Frei ,E. (2003) *Can. Med.*
- Batzler, W.U., Becker, N., Bergmann, M., Chang-Claude, J., Flesch-Janys, D., Hense, H.-W., Stang, A., and Stegmaier, C. (2004) *Krebsregistrierung in Deutschland, Positionspapier.* AG Krebsepidemiologie der GMDS.
- Borst, P., Borst, J., and Smets, L.A. (2001) Does resistance to apoptosis affect clinical response to antitumor drugs? *Drug Resist Updat.* 4: 129-131.
- Bosma, M.J., Carroll, A.M. (1991) The Scid Mouse Mutant - Definition, Characterization, and Potential Uses. *Annu Rev Immunol.* 9: 323-350.
- Bretland, A.J., Lawry, J., and Sharrard, R.M. (2001) A study of death by anoikis in cultured epithelial cells. *Cell Prolif.* 34: 199-210.
- Büchele, T. (2003) Proapoptotische Therapie mit Oblimersen (bcl-2-Antisense-Oligonukleotid) - Übersicht über präklinische und klinische Daten. *Onkologie* 26(7), 60-69.

Butzke, D. (2003) APIT- das zytolytische Toxin der Aplysia punctata-Tinte: Eine biochemische-molekularbiologische Charakterisierung und Aufklärung des toxischen Prinzips. Dissertation, Freie Universität Berlin.

Butzke, D., Machuy, N., Thiede, R., Goedert, S., and Rudel, T. (2004) Hydrogen peroxid produced by Aplysia ink toxin kills tumor cells independent of apoptosis via peroxiredoxin I sensitive pathways. *Cell Death and Differentiation* 11: 608-617.

Carefoot, T.H. (1987a) Aplysia - Its Biology and Ecology. *Oceanography and Marine Biology* 25: 167-284.

Carefoot, T.H. (1987b) Diet and Metabolic-Rate in the Supralittoral Isopod Ligia-Pallasii - the Effect on Oxygen-Uptake of Ration Levels of Natural and Chemical Diets. *Comp Biochem Physiol A Physiol* 87: 989-992.

Carefoot, T.H. (1987c) The Effect of Diet Quality on Oxygen-Consumption in the Supralittoral Isopod Ligia-Pallasii. *Comp Biochem Physiol A Physiol*. 87: 127-134.

Cavacini, L.A., Gileskomar, J., Kennel, M. and Quinn, A. (1992) Effect of Immunosuppressive Therapy on Cytolytic Activity of Immunodeficient Mice - Implications for Xenogeneic Transplantation. *Cell Immunol.* 144: 296-310.

Chaudhary, P.M., Roninson, I.B. (1991) Expression and Activity of P-Glycoprotein, A Multidrug Efflux Pump, in Human Hematopoietic Stem-Cells. *Cell* 66: 85-94.

Christianson, S.W., Greiner, D.L., Schweitzer, I.B., Gott, B., Beamer, G.L., Schweitzer, P.A., Hesselton, R.A.M. and Shultz, L.D. (1996) Role of natural killer cells on engraftment of human lymphoid cells and on metastasis of human T-lymphoblastoid leukemia cells in C57BL/6J-scid mice and in C57BL/6J-scid bg mice. *Cell Immunol.* 171: 186-199.

Cornil, .., Man, S, Fernandez, B. and Kerbel, R.S. (1989) Enhanced tumorigenicity, melanogenesis, and metastases of a human malignant melanoma after subdermal implantation in nude mice. *J.Natl.Cancer Inst.* 81: 938-944.

Davies, K.J.A. (1999) The broad spectrum of responses to oxidants in proliferating cells: A new paradigm for oxidative stress. *Iubmb Life* 48: 41-47.

- Dent, A.L., Matis, L.A., Hooshmand, F., Widacki, S.M., Bluestone, J.A. and Hedrick, S.M. (1990) Self-reactive gamma delta T cells are eliminated in the thymus. *Nature* 343: 714-719.
- Droge, W. (2002) Free radicals in the physiological control of cell function. *Physiological Reviews* 82: 47-95.
- Fiers, W., Beyaert, R., Declercq, W. and Vandenabeele, P. (1999) More than one way to die: apoptosis, necrosis and reactive oxygen damage. *Oncogene* 18: 7719-7730.
- Folkman, J. (1995) Angiogenesis in cancer, vascular, rheumatoid and other disease. *Nat.Med.* 1: 27-31.
- Folkman, J. (1996) Tumor angiogenesis and tissue factor. *Nat.Med.* 2: 167-168.
- Fortmeyer, H.P. (1981) *Thymusaplastische Maus (nu/nu), Haltung, Zucht, Versuchsmodele* Berlin und Hamburg: Verlag Paul Parey.
- Giovanel, B.C., Santamar, C.S., Stehlin, J.S. and Mumford, D.M. (1972) Cytotoxic Effect of Autologous Lymphocytes and Plasma on Cultured Human Tumors. *Proc Am Assoc Cancer Res.* 13: 77-&.
- Giovanel, B.C., Stehlin, J.S. and Williams, L.J. (1974) Heterotransplantation of Human Malignant-Tumors in Nude Thymusless Mice .2. Malignant-Tumors Induced by Injection of Cell-Cultures Derived from Human Solid Tumors. *J Natl Cancer Inst.* 52: 921-930.
- Giovanella, B.C., Stehlin, J.S. and Shepard, R.C. (1978) Experimental Chemotherapy of Human Malignant-Tumors Transplanted Subcutaneously and Under Kidney Capsule of Nude-Mice. *Fed Proc.* 37: 499.
- Giovanella, B.C., Vardeman, D.M., Williams, L.J., Taylor, D.J., De Ipolyi, P.D., Greeff, P.J., Stehlin, J.S., Ullrich, A., Cailleau, R., Slamon, D.J. and . (1991) Heterotransplantation of human breast carcinomas in nude mice. Correlation between successful heterotransplants, poor prognosis and amplification of the HER-2/neu oncogene. *Int.J.Cancer* 47: 66-71.
- Gottesman, M.M. (2002) Mechanisms of cancer drug resistance. *Annu Rev Med.* 53: 615-627.

- Heim S, M.F. (1995) *Cancer Cytogenetics* (2nd ed.). Wiley-Liss, New York.
- Igney, F.H., Krammer, P.H. (2002) Death and anti-death: tumour resistance to apoptosis. *Nat Rev Cancer.*: 277-88.
- Imaizumi, M., Kondo, T., Taguchi, T., Hattori, T., Abe, O., Kitano, M. and Wakui, A. (1993) A Standardized Method of Using Nude-Mice for the Invivo Screening of Antitumor Drugs for Human Tumors. *Jpn J Surg.* 23: 412-419.
- Johnson, P.M., Willows, A.O.D. (1999) Defense in sea hares (Gastropoda, Opisthobranchia, Anaspidea): Multiple layers of protection from egg to adult. *Marine and Freshwater Behaviour and Physiology* 32: 147-180.
- Johnstone, R.W., Ruefli, A.A. and Lowe, S.W. (2002) Apoptosis: A link between cancer genetics and chemotherapy. *Cell* 108: 153-164.
- Jouanneau, J., Stragier, P., Bouvier, J., Patte, J.C. and Yaniv, M. (1985) Expression in Mammalian-Cells of the Diaminopimelic Acid Decarboxylase of Escherichia-Coli Permits Cell-Growth in Lysine-Free Medium. *Eur J Biochem.* 146: 173-178.
- Kerr, J.F., Wyllie, A.H. and Currie, A.R. (1972) Apoptosis: a basic biological phenomenon with wide-ranging implications in tissue kinetics. *Br.J.Cancer* 26: 239-257.
- Kischkel, F.C., Hellbardt, S., Behrmann, I., Germer, M., Pawlita, M., Krammer, P.H. and Peter, M.E. (1995) Cytotoxicity-dependent APO-1 (Fas/CD95)-associated proteins form a death-inducing signaling complex (DISC) with the receptor. *EMBO J.* 14: 5579-5588.
- Kitt, T.e.a. (1982) *Lehrbuch der Allgemeinen Pathologie für Tierärzte und Studierende der Tiermedizin*, 9., überarbeitete Auflage.
- Koubenec, H.J. (2000) Mammographie-Screening: Überschätzen wir den Nutzen? , *Berliner Ärzte Jahrgang* 37, Heft 8/00: 11-16.
- Leist, M., Jaattela, M. (2001) Four deaths and a funeral: from caspases to alternative mechanisms. *Nat.Rev.Mol.Cell Biol.* 2: 589-598.
- Leist, M., Nicotera, P. (1997) The shape of cell death. *Biochem.Biophys.Res.Commun.* 236: 1-9.

- Mombaerts, P., Iacomini, J., Johnson, R.S., Herrup, K., Tonegawa, S. and Papaioannou, V.E. (1992) Rag-1-Deficient Mice Have No Mature Lymphocytes-B and Lymphocytes-T. *Cell* 68: 869-877.
- Morikawa, K., Walker, S.M., Jessup, J.M., and Fidler, I.J. (1988) Invivo Selection of Highly Metastatic Cells from Surgical Specimens of Different Primary Human-Colon Carcinomas Implanted Into Nude-Mice. *Cancer Res.* 48: 1943-1948.
- Morrow, C.S., Cowan, K.H. (1993) Antineoplastic Drug-Resistance and Breast-Cancer. *Breast Cancer: from Biology to Therapy* 698: 289-312.
- Murakawa, M., Jung, S.K., Iijima, K. and Yonehara, S. (2001) Apoptosis-inducing protein, AIP, from parasite-infected fish induces apoptosis in mammalian cells by two different molecular mechanisms. *Cell Death Differ.* 8: 298-307.
- Mutschler, E. et.al. (2001) *Arzneimittelwirkung.8.Auflage.* Wiss.Verlagsges. mbH, Stuttgart.
- Nakajima, M., Morikawa, K., Fabra, A., Bucana, C.D. and Fidler, I.J. (1990) Influence of organ environment on extracellular matrix degradative activity and metastasis of human colon carcinoma cells. *J.Natl.Cancer Inst.* 82: 1890-1898.
- Nolen, T.G., Johnson, P.M., Kicklighter, C.E. and Capo, T. (1995) Ink Secretion by the Marine Snail *Aplysia-Californica* Enhances Its Ability to Escape from A Natural Predator. *J Comp Physiol A Neuroethol Sens Neural Behav Physiol.* 176: 239-254.
- Pantelouris, E.M. (1968) Absence of thymus in a mouse mutant. *Nature* 217: 370-371.
- Petzelt, C., Joswig, G., Stammer, H. and Werner, D. (2002) Cytotoxic cyplasin of the sea hare, *Aplysia punctata*, cDNA cloning, and expression of bioactive recombinants in insect cells. *Neoplasia* 4: 49-59.
- Rau, B., Wust, P., Tilly, W., Gellermann, J., Harder, C., Riess, H., Budach, V., Felix, R. and Schlag, P.M. (2000) Preoperative radiochemotherapy in locally advanced or recurrent rectal cancer: Regional radiofrequency hyperthermia correlates with clinical parameters. *International Journal of Radiation Oncology Biology Physics* 48: 381-391.

- Revasova, Y.A., Gus'kova, T.A., Khudoley, V.V. and Filov, V.A. (2003) The study of remote effects of olypiphate. *Exp Oncol.* 25: 256-259.
- Roche (2004) *Roche Lexikon Med. 4. Aufl.* Urban&Fischer Verlag München.
- Roth, H.J., Fenner, H. (2000) *Arzneistoffe. 3. Auflage.* Thieme Verlag Stuttgart, New York.
- Russell, E. (1966) An Investigation of Palatability of Some Marine Invertebrates to 4 Species of Fish. *Pacific Science* 20: 452-&.
- Salvesen, G.S., Dixit, V.M. (1997) Caspases: Intracellular signaling by proteolysis. *Cell* 91: 443-446.
- Schwartzman, R.A., Cidlowski, J.A. (1993) Apoptosis - the Biochemistry and Molecular-Biology of Programmed Cell-Death. *Endocr Rev.* 14: 133-151.
- Sharkey, F.E., Fogh, J. (1979) Metastasis of human tumors in athymic nude mice. *Int J Cancer.* 24: 733-738.
- Shimizu, S., Eguchi, Y., Kamiike, W., Itoh, Y., Hasegawa, J., Yamabe, K., Otsuki, Y., Matsuda, H. and Tsujimoto, Y. (1996a) Induction of apoptosis as well as necrosis by hypoxia and predominant prevention of apoptosis by Bcl-2 and Bcl-XL. *Cancer Res.* 56: 2161-2166.
- Shimizu, S., Eguchi, Y., Kamiike, W., Matsuda, H. and Tsujimoto, Y. (1996b) Bcl-2 expression prevents activation of the ICE protease cascade. *Oncogene* 12: 2251-2257.
- Shimizu, S., Narita, M. and Tsujimoto, Y. (1999) Bcl-2 family proteins regulate the release of apoptogenic cytochrome c by the mitochondrial channel VDAC. *Nature* 399: 483-487.
- Shin, S.I., Freedman, V.H., Risser, R. and Pollack, R. (1975) Tumorigenicity of virus-transformed cells in nude mice is correlated specifically with anchorage independent growth in vitro. *Proc.Natl.Acad.Sci.U.S.A* 72: 4435-4439.
- Sordat, B. (1977) Tumor-Stroma Relationships in Human Colon Carcinomas Grafted to Nude Mouse. *Experientia* 33: 831.

- Sperandio, S., Bredesen,D.E. (2000) An alternative, nonapoptotic form of programmed cell death. *Proc.Natl.Acad.Sci.U.S.A* 97: 14376-14381.
- Sprent, J. (1974) *Migration and Lifespan of Circulating B-Lymphocytes of Nude (nu/nu) Mice*.In: *J.Ryggard, C.O. Povlsen (Eds.): Proc. First Intern. Workshop Nude Mice*,G. Fischer Verl., New York, Stuttgart.
- Stehlin, J.S., Giovanel, B.C., Lee, S.S. and Williams, L.J. (1974) Patterns of Growth and Metastatic Spread of Human Malignant-Tumors (Epitheliomas, Sarcomas and Melanomas) Transplanted in Nude. Thymusless Mice *Proc Am Assoc Cancer Res.* 15: 24.
- Steller, H. (1995) Mechanisms and genes of cellular suicide. *Science* 267: 1445-1449.
- Stromblad, S., Cheresh, D.A. (1996) Cell adhesion and angiogenesis. *Trends Cell Biol.* 6: 462-468.
- Stünzi, H., Weiss, E. (1990) *Allgemeine Pathologie für Tierärzte und Studierende der Tiermedizin*, 8., überarbeitete Auflage.
- Tan, M.H., Chu, T.M. (1985) Characterization of the Tumorigenic and Metastatic Properties of A Human Pancreatic Tumor-Cell Line (Aspc-1) Implanted Orthotopically Into Nude-Mice. *Tumour Biol.* 6: 89-98.
- Tsujimoto, Y., Shimizu, S. (2000) Bcl-2 family: life-or-death switch. *FEBS Lett.* 466: 6-10.
- Vergote, J., Moretti, J.L., De Vries, E.G.E. and Garnier-Suillerot, A. (1998) Comparison of the kinetics of active efflux of Tc-99m-MIBI in cells with P-glycoprotein-mediated and multidrug-resistance protein-associated multidrug-resistance phenotypes. *Eur J Biochem.* 252: 140-146.
- Vogelstein B, K.K.W. (1998) *The genetic basis of human cancer*. McGraw-Hill Companies (ed).
- Volker Karl Oehlrich-Gesellschaft e.V. (2003) *Krebs-Kompass 1997-2003*.
- Wagner, G. u. H.P. (1995) *Organspezische Tumordokumentation*. Arbeitsgemeinschaft Deutscher Tumorzentren (ADT), Springer.

- White, E. (1996) Life, death, and the pursuit of apoptosis. *Genes Dev.* 10: 1-15.
- Wicker, L.S., Miller, B.J., Coker, L.Z., Mcnally, S.E., Scott, S., Mullen, Y. and Appel, M.C. (1987) Genetic-Control of Diabetes and Insulitis in the Nonobese Diabetic (Nod) Mouse. *J Exp Med.* 165: 1639-1654.
- Wissen Media Verlag, M.M. (2000).
- Wittekind, CH., Wagner, G. (1997) *TNM-Klassifikation maligner Tumoren, 5. Auflage*, Springer, Berlin, heidelberg, New York.
- Yamada, K., Kigoshi, H. (1997) Bioactive compounds from the sea hares of two genera: Aplysia and Dolabella. *Bull Chem Soc Jpn.* 70: 1479-1489.
- Yamazaki, M. (1993) Antitumor and Antimicrobial Glycoproteins from Sea Hares. *Comparative Biochemistry and Physiology C-Pharmacology Toxicology & Endocrinology* 105: 141-146.
- Yang, L., Rowe, T.C. and Liu, L.F. (1985) Identification of Dna Topoisomerase-ii As An Intracellular Target of Antitumor Epipodophyllotoxins in Simian-Virus 40-Infected Monkey Cells. *Cancer Res.* 45: 5872-5876.
- Zuphten van, L.F.M.B.V.B.A.C. (1995) *Versuchstierkunde* G. Fischer.