

Bibliography

Tom Seyfried and Cancer

Ackermann ww, Kurtz H. The relation of herpes virus to host cell mitochondria. *J Exp Med.* 1952 Aug;96(2):151-7. PubMed PMID 14955571

Bonnet S, Archer SL, Allalunis-Turner J, Haromy A, Beaulieu C, Thompson R, Lee CT, Lopaschuk GD, Puttagunta L, Bonnet S, Harry G, Hashimoto K, Porter CJ, Andrade MA, Theband B, Michelakis ED. A mitochondria-K⁺ channel axis is suppressed on cancer and its normalization promotes apoptosis and inhibits cancer growth. *Cancer Cell.* 2007 Jan;11(1):37-51. PubMed PMID 17222789

Braun RD, Lanzen JL, Snyder SA, Dewhirst MW. Comparison of tumor and normal tissue oxygen tension measurements using OxyLite or microelectrodes in rodents. *Am J Physiol Heart Circ Physiol.* 2001 Jun;280(6):H2533-44. PubMed PMID 11356608

Burt BM, Humm JL, Kooby DA, Squire OD, Mastorides S, Larson SM, Fong Y. Using positron emission tomography with [(18)F]FDG to predict tumor behavior in experimental colorectal cancer. *Neoplasia.* 2001 May-Jun;3(3):189-95. PubMed PMID 11494112

Busk M, Horsman MR, Kristjansen PE, van der Kogel AJ, Bussink J, Overgaard J. Aerobic glycolysis in cancers: implications for the usability of oxygen-responsive genes and fluorodeoxyglucose-PET as markers of tissue hypoxia. *Int J Cancer.* 2008 Jun 15;122(12):2726-34. doi: 10.1002/ijc.23449. PubMed PMID 18351643

Carroll KK, Khor Ht. Effects of level and type of dietary fat on incidence of mammary tumors induced in female Sprague-Dawley rats by 7,12-dimethylbenz()anthracene. *Lipids.* 1971 Jun;6(6):415-20. PubMed PMID 5117253

Cohen LA, Thompson DO. The influence of dietary medium chain triglycerides on rat mammary tumor development. *Lipids.* 1987 Jun;22(6):455-61. PubMed PMID 3112488

Cohen LA, Thompson DO, Maeura Y, Weisburger JH. Influence of dietary medium-chain triglycerides on the development of N-methylnitrosourea-induced rat mammary tumors. *Cancer Res.* 1984 Nov;44(11):5023-8. PubMed PMID 6488161

Crabtree HG. Observations on the carbohydrate metabolism of tumours. *Biochem J.* 1929;23(3):536-45. PubMed PMID 16744238

Cuezva JM, Krajewska M, de Heredia ML, Krajewski S, Santamaria G, Kim H, Zapata JM, Marusawa H, Chamorro M, Reed JC. The tumor suppressor function of mitochondria: translation into the clinics. *Biochim Biophys Acta.* 2009 Dec;1792(12):1145-58. doi: 10.1016/j.bbadis.2009.01.006. Epub 2009 Jan 23. Review. PubMed PMID 19419707

Cuezva JM, Krajewska M, de Heredia ML, Krajewski S, Santamaria G, Kim H, Zapata JM, Marusawa H, Chamorro M, Reed JC. The bioenergetic signature of cancer: a marker of tumor progression. Cancer Res. 2002 Nov 15;62(22):6674-81. PubMed PMID 12438266

DeBerardinis RJ, Mancusa A, Daikhin E, Nissim I, Yudkoff M, Wehrli S, Thompson CB. Beyond aerobic glycolysis: transformed cells can engage in glutamine metabolism that exceeds the requirements for protein and nucleotide synthesis. Proc Natl Acad Sci U S A. 2007 Dec 4;104(49):19345-50. Epub 2007 Nov 21. PubMed PMID 18032601

Hochedlinger K, Billewicz R, Brennan C, Yamada Y, Kim M, Chin L, Jaenisch R. Reprogramming of a melanoma genome by nuclear transplantation. Genes Dev. 2004 Aug 1;18(15):1875-85. PubMed PMID 15289459

Huysentruyt LC, Akgoc Z and Seyfried TN (2011) Hypothesis: are neoplastic macrophages/microglia present in glioblastoma multiforme? ASN NEURO 3(4):art:e00064.doi:10.1042/AN20110011

Isidoro A, Casado E, Redondo A, Acebo P, Espinosa E, Alonso AM, Cejas P, Hardisson D, Fresno Vara JA, Belda-Iniesta C, González-Barón M, Cuezva JM. Breast carcinomas fulfill the Warburg hypothesis and provide metabolic markers of cancer prognosis. Carcinogenesis. 2005 Dec;26(12):2095-104. Epub 2005 Jul 20. PubMed PMID 16033770

Kaplan O, Navon G, Lyon RC, Faustino PJ, Straka EJ, Cohen JS. Effects of 2-deoxyglucose on drug-sensitive and drug-resistant human breast cancer cells: toxicity and magnetic resonance spectroscopy studies of metabolism. Cancer Res. 1990 Feb 1;50(3):544-51. PubMed PMID 2297696

Khan A. Use of oral dichloroacetate for palliation of leg pain arising from metastatic poorly differentiated carcinoma: a case report. J Palliat Med. 2011 Aug;14(8):973-7 doi :10.1089/jpm.2010.0472. Epub 2011 Apr 12 PubMed PMID 21486148

Kotliarova S, Fine HA. SnapShot: glioblastoma multiforme. Cancer Cell. 2012 May 15;21(5):710-710.e1. doi: 10.1016/j.ccr.2012.04.031. PubMed PMID 22624719

Laszlo J, Humphreys SR, Goldin A. Effect of glucose analogues (2-deoxy-D-glucose, 2-deoxy-D-galactose) on experimental tumors. J Natl Cancer Inst. 1960 Feb;24:267-81. PubMed PMID 14414406

Li L, Connelly MC, Wetmore C, Curran T, Morgan JI. Mouse embryos cloned from brain tumors. Cancer Res. 2003 Jun 1;63(11):2733-6. PubMed PMID 12782575

López-Rios F., Sánchez-Aragó M, Garcia-Garcia E, Ortega AD, Berrendero JR, Pozo-Rodríguez F, López-Encuentra A, Ballestin C, Cuezva JM. Loss of the mitochondrial

bioenergetic capacity underlies the glucose avidity of carcinomas. Cancer Res. 2007 Oct 1;67(19):9013-7.

Marsh J, Mukherjee P, Seyfried TN. Drug/diet synergy for managing malignant astrocytoma in mice: 2-deoxy-D-glucose and the restricted ketogenic diet. Nutr Metab (Lond). 2008 Nov 25;5:33. doi: 10.1186/1743-7075-5-33. PubMed PMID 19032781

McKinnell RG, Deggins BA, Labat DD. Transplantation of pluripotential nuclei from triploid frog tumors. Science. 1969 Jul 25; 165(3891):394-6. PubMed PMID 5815255

Mintz B, Illmensee K. normal genetically mosaic mice produced from malignant teratocarcinoma cells. Proc Natl Acad Sci U S A. 1975 Sep;72(9):358-9. PubMed PMID 1059147

Nebeling LC, Miraldi F, Shurin SB, Lerner E. Effects of a ketogenic diet on tumor metabolism and nutritional status in pediatric oncology patients: two case reports. J Am Coll Nutr. 1995 Apr;14(2):202-8. PubMed PMID 7790697

Pastorino JG, Hoek JB, Shulga N. Activation of glycogen synthase kinase 3beta disrupts the binding of hexokinase II to mitochondria by phosphorylating voltage-dependent anion channel and potentiates chemotherapy-induced cytotoxicity. Cancer Res. 2005 Nov 15;65(22):10545-54. PubMed PMID 16288047

Pauwels EK, Strum EJ, Bombardieri E, Cleton FJ, Stokkel MP. Positron-emission tomography with [18F]fluorodeoxyglucose. Part 1. Biochemical uptake mechanism and its implication for clinical studies. J Cancer Res Clin Oncol. 2000 Oct;126(10):549-59. Review. PubMed PMID 11043392

Pavlidis S, Whitaker-Menezes D, Castello-Cros R, Flomenberg N, Witkiewicz AK, Frank PG, Casimiro MC, Wang C, Fontina P, Addya S, Pestell RG, Martinez-Outschoorn UE, Sotgia F, Lisanti MP. The reverse Warburg effect: aerobic glycolysis in cancer associated fibroblasts and the tumor stroma. Cell Cycle. 2009 Dec; 8(23):3984-4001. Epub 2009 Dec 5. PubMed PMID 19923890

Plathow C, Weber WA. Tumor cell metabolism imaging. J Nucl Med. 2008 Jun;49 Suppl 2:43S-63S. doi: 10.2967/jnumed.107.045930. Review. PubMed PMID 18523065

Reitzer LJ, Lawrence J, Wice BM, Kennell D. Evidence that glutamine, not sugar, is the major energy source for cultured HeLa cells. J Biol Chem 1979 Apr 25;254(8):2669-2676.

Ristow M. Oxidative metabolism in cancer growth. Curr Opin Clin Nutr Metab Care. 2006 Jul;9(4):339-45. Review. PubMed PMID 16778561

Rohren EM, Turkington TG, Coleman RE. Clinical application of PET in oncology. Radiology. 2004 May;231(2):305-32. Epub 2004 Mar 24. Review. PubMed PMID 15044750

Rous P. The influence of diet on transplanted and spontaneous mouse tumors. J Exp Med. 1914 Nov 1;20(5):433-51. PubMed PMID 19867833

Semenza GL. Defining the role of hypoxia-inducible factor 1 in cancer biology and therapeutics. Oncogene. 2010Feb 4;29(5):625-34. doi: 10.1038/onc.2009.441. Epub 2009 Nov 30. Review. PubMed PMID 19946328

Seyfried Thomas N. Cancer as a Metabolic Disease: on the origin, management and prevention of cancer. John Wiley and Sons, Inc. Hoboken, NJ 2012.

Seyfried, Thomas N., Purna Mukherjee, Miriam Kalamian, Giulio Zuccoli. The restricted ketogenic diet: an alternative treatment strategy for glioblastoma multiforme. Treatment Strategies- Oncology, Volumn 2(1):24-35. (Accessed by title search online 6/14/2013)

Seyfried TN, Sanderson TM, El-Abadi MM, McGowan R, Mukherjee P. Role of glucose and ketone bodies in the metabolic control of experimental brain cancer Br. J Cancer 2003 Oct 6;89(7):1375-82. PubMed PMID 14520474

Shimizu S, Shinohara Y, Tsujimoto Y. Bax and Bc1-xL independently regulate apoptotic changes of yeast mitochondria that require VDAC but not adenine nucleotide translocator. Oncogene. 2000 Sep 7;19(38):4309-18. PubMed PMID 10980606

Shimizu S, Narita M, Tsujimoto Y. Bc1-2 family proteins regulate the release of apoptogenic cytochrome c by the mitochondrial channel VDAC. Nature. 1999 June 3;399(6735):483-7. Erratum in: Nature 2000 Oct 12;407(6805):767. PubMed PMID 10365962

Wick AN, Drury DR, Nakada HI, Wolfe JB. Localization of the primary metabolic block produced by 2-deoxyglucose. J Biol Chem. 1957 Feb;224(2):963-9. PubMed PMID 13405925

Zuccoli G, Marcello N, Pisanello A, Servadei F, Vaccaro S, Mukherjee P, Seyfried TN. Metabolic management of glioblastoma multiforme using standard therapy together with a restricted ketogenic diet: Case Report. Nutr Metab (Lond). 2010 Apr 22;7:33. doi: 10.1186/1743-7075-7-33. PubMed PMID 20412570

