

2010**Zebra Mussel (*Dreissena polymorpha*)**

Binelli,A., Cogni,D., Parolini,M. and Provini,A. (2010) Multi-biomarker approach to investigate the state of contamination of the R. Lambro/R. Po confluence (Italy) by zebra mussel (*Dreissena polymorpha*). *Chemosphere*, **79**, 518 - 528.

Fibroblasts and Human Melanoma Cell Lines (C8161 and MV3)

Edward,M., Quinn,J.A., Pasonen-Seppänen,S.M., McCann,B.A. and Tammi,R.H. (2010) 4-Methylumbelliferone inhibits tumour cell growth and the activation of stromal hyaluronan synthesis by melanoma cell-derived factors. *British Journal of Dermatology*, **162**, 1224-1232.

Rat Retinal Ganglion RGC-5 Cells

Kang,K.D., Andrade da Costa,B.L.S. and Osborne,N.N. (2010) Stimulation of Prostaglandin EP2 Receptors on RGC-5 Cells in Culture Blunts the Negative Effect of Serum Withdrawal. *Neurochemical Research*, **35**, 820-829.

Mouse Embryonic Fibroblast -Adipose Like Cell Line 3T3-L1

Kojima,T., Norose,T., Tsuchiya,K. and Sakamoto,K. (2010) Mouse 3T3-L1 cells acquire resistance against oxidative stress as the adipocytes differentiate via the transcription factor FoxO. *Apoptosis*, **15**, 83-93.

Murine CT26 Colon Cancer Cells

Lan,K.L., Ou-Yang,F., Yen,S.H., Shih,H.L. and Lan,K.H. (2010) Cationic liposome coupled endostatin gene for treatment of peritoneal colon cancer. *Clinical and Experimental Metastasis*, **27**, 307-318.

Rat PC12 Pheochromocytoma Cells

Lemcke,S., Hönnscheidt,C., Waschatko,G., Bopp,A., Lütjohann,D., Bertram,N. and Gehrig-Burger,K. (2010) DHEA-Bodipy - A functional fluorescent DHEA analog for live cell imaging. *Molecular and Cellular Endocrinology*, **314**, 31-40.

Murine Osteocyte-like MLO-Y4 (Murine Long-Bone Osteocyte) Cells

Liu,C., Zhao,Y., Cheung,W.Y., Gandhi,R., Wang,L. and You,L. (2010) Effects of cyclic hydraulic pressure on osteocytes. *Bone*, **46**, 1449-1456.

Human Gingival Fibroblasts

Nomura,Y., Bhawal,U.K., Nishikiori,R., Sawajiri,M., Maeda,T. and Okazaki,M. (2010) Effects of high-dose major components in oral disinfectants on the cell cycle and apoptosis in primary human gingival fibroblasts in vitro. *Dental Materials Journal*, **29**, 75-83.

Rat RGC-5 Retinal Ganglion Cells

Osborne,N.N., Ji,D., bdul Majid,A.S., Fawcett,R.J., Sparatore,A. and Soldato,P.D. (2010) ACS67, a Hydrogen Sulfide-Releasing Derivative of Latanoprost Acid, Attenuates Retinal Ischemia and Oxidative Stress to RGC-5 Cells in Culture. *Investigative Ophthalmology and Visual Science*, **51**, 284 - 294.

Human Endothelial Cells

Pasciu,V., Posadino,A.M., Cossu,A., Sanna,B., Tadolini,B., Gaspa,L., Marchisio,A., Dessole,S., Capobianco,G. and Pintus,G. (2010) Akt Downregulation by Flavin Oxidase-Induced ROS Generation Mediates Dose-Dependent Endothelial Cell Damage Elicited by Natural Antioxidants. *Toxicological Sciences*, **114**, 101 - 112.

Human DLD-1 Colorectal Adenocarcinoma Cells

Shibata,A., Nakagawa,K., Sookwong,P., Tsuduki,T., Asai,A. and Miyazawa,T. (2010) α -Tocopherol attenuates the cytotoxic effect of δ -tocotrienol in human colorectal adenocarcinoma cells. *Biochemical and Biophysical Research Communications* **397**, 214 - 219.

Rat Cardiac Myoblasts (H9c2), Rat Thoracic Myoblasts (A-10) and Human Embryonic Epithelial Cells (HEK-2937)

Wang,Y.H., Ahmar,H. and Irving,H.R. (2010) Induction of apoptosis by plant natriuretic peptides in rat cardiomyoblasts. *Peptides* **31**, 1213 - 1218.

2009

Human Breast Adenocarcinoma Cell Line (MCF7)

Androulidaki,A., Dermitzaki,E., Venihaki,M., Karagianni,E., Rassouli,O., Andreakou,E., Stournaras,C., Margioris,A.N. and Tsatsanis,C. (2009) Corticotropin Releasing Factor promotes breast cancer cell motility and invasiveness. *Molecular Cancer*, **8**, 30.

Human Endothelial Cells

Cao,G., Fehrenbach,M.L., Williams,J.T., Finklestein,J.M., Zhu,J.X. and DeLisser,H.M. (2009) Angiogenesis in Platelet Endothelial Cell Adhesion Molecule-1-Null Mice. *American Journal of Pathology*, **175**, 903-915.

Porcine Aortic Valve Interstitial Cells

Chen,J.H., Yip,C.Y.Y., Sone,E.D. and Simmons,C.A. (2009) Identification and Characterization of Aortic Valve Mesenchymal Progenitor Cells with Robust Osteogenic Calcification Potential. *American Journal of Pathology*, **174**, 1109-1119.

Human Ovarian Cancer Epithelial Cells (SLOV3) and NIH-3T3 Murine Fibroblasts

Cole,E.T., Zhan,Y., Abi Saab,W.F., Korchnak,A.C., Ashburner,B.P. and Chadee,D.N. (2009) Mixed lineage kinase 3 negatively regulates IKK activity and enhances etoposide-induced cell death. *BBA-Molecular Cell Research*, **1793**, 1811-1818.

Human Epithelial Cells

Deghmane,A.E., Veckerlé,C., Giorgini,D., Hong,E., Ruckly,C. and Taha,M.K. (2009) Differential Modulation of TNF- α Induced Apoptosis by *Neisseria meningitidis*. *PLoS Pathogens*, **5**, e1000405.

Murine Osteoblast Cells

Fromigue,O., Hay,E., Barbara,A., Petrel,C., Traiffort,E., Ruat,M. and Marie,P.J. (2009) Calcium sensing receptor-dependent and-independent activation of osteoblast replication and survival by strontium ranelate. *Journal of Cellular and Molecular Medicine*, doi: 10.1111/j.1582-4934.2008.00673.x.

BeWo Choriocarcinoma Cell Line

Heazell,A.E.P., Taylor,N.N.J., Greenwood,S.L., Baker,P.N. and Crocker,I.P. (2009) Does altered oxygenation or reactive oxygen species alter cell turnover of BeWo choriocarcinoma cells? *Reproductive BioMedicine Online*, **18**, 111-119.

Murine Liver Cells

Huang,X., Yang,C., Jin,C., Luo,Y., Wang,F. and McKeehan,W.L. (2009) Resident hepatocyte fibroblast growth factor receptor 4 limits hepatocarcinogenesis. *Molecular Carcinogenesis*, **48**, 553-562.

Human Hodgkin Lymphoma Cell Lines

Jayanathan,A., Howard,S.C., Trippett,T., Horton,T., Whitlock,J.A., Daisley,L., Lewis,V. and Narendran,A. (2009) Targeting the Bcl-2 family of proteins in Hodgkin lymphoma: in vitro cytotoxicity, target modulation and drug combination studies of the Bcl-2 homology 3 mimetic ABT-737. *Leukemia & lymphoma*, **50**, 1174-1182.

Retinal Ganglion Cells (RGC-5)

Kang,K. and Osborne,N.N. (2009) Butaprost, a prostaglandin EP2 receptor agonist, counteracts the negative effect of serum deprivation to retinal ganglion cells. *Acta Ophthalmologica*, doi: 10.1111/j.1755-3768.2009.261.x.

Human Bladder Cancer Cell Lines

Khin,S.S., Kitazawa,R., Win,N., Aye,T.T., Mori,K., Kondo,T. and Kitazawa,S. (2009) BAMBI gene is epigenetically silenced in subset of high-grade bladder cancer. *International Journal of Cancer* **125**, 328-338.

Retinal Ganglion Cells (RGC-5)

Li,G.Y., Fan,B. and Su,G.F. (2009) Acute energy reduction induces caspase-dependent apoptosis and activates p53 in retinal ganglion cells (RGC-5). *Experimental Eye Research*, **89**, 581-589.

Retinoblastoma Cells

Lupescu,A., Geiger,C., Zahir,N., Aberle,S., Lang,P.A., Kramer,S., Wesselborg,S., Kandolf,R., Föllner,M. and Lang,F. (2009) Inhibition of Na/H Exchanger Activity by Parvovirus B19 Protein NS1. *Cell Physiol Biochem*, **23**, 211-220.

Retinal Ganglion Cells (RGC-5)

Majid,A.S.A. and Osborne,N.N. (2009) N-Acetyl cysteine (NAC) attenuates neuronal cell death in culture not solely by up regulating glutathione (GSH). *Acta Ophthalmologica*, doi: 10.1111/j.1755-3768.2009.262.x.

Bone Cancer Cells

Marion,A., Dieudonné,F., Patiño,A., Lecanda,F., Marie,P. and Modrowski,D. (2009) Identification of calpain-6 as a new target involved in cell death of bone cancer cells. *Bone*, **44**, 247.

Murine Mesenchymal C3H10T1/2 Cells and Calvaria Osteoblasts MC3T3-E1

Miraoui,H., Oudina,K., Petite,H., Tanimoto,Y., Moriyama,K. and Marie,P.J. (2009) Fibroblast Growth Factor Receptor 2 Promotes Osteogenic Differentiation in Mesenchymal Cells via ERK1/2 and Protein Kinase C Signaling. *Journal of Biological Chemistry*, **284**, 4897-4904.

Mouse Embryo Fibroblasts

Mori,K., Hirao,E., Toya,Y., Oshima,Y., Ishikawa,F., Nose,K. and Shibamura,M. (2009) Competitive Nuclear Export of Cyclin D1 and Hic-5 Regulates Anchorage Dependence of Cell Growth and Survival. *Molecular Biology of the Cell*, **20**, 218-232.

Retinal Ganglion Cells (RGC-5)

Osborne,N.N., Ji,D., Majid,A., Fawcett,R., Sparatore,A. and Soldato,P. (2009) ACS67, a hydrogen sulphide-releasing derivative of latanoprost acid, attenuates retinal ischemia and oxidative stress to RGC-5 cells in culture. *Investigative Ophthalmology & Visual Science*, doi: 10.1167/iovs.09-3999.

Human Umbilical Vein Endothelial Cells

Perez-Casal,M., Downey,C., Cutillas-Moreno,B., Zuzel,M., Fukudome,K. and Toh,C.H. (2009) Microparticle-associated endothelial protein C receptor and the induction of cytoprotective and anti-inflammatory effects. *Haematologica*, **94**, 387-394.

Epithelial Renal Tubule Cell Lines (NRK-52E, LLC-PK1, MDCK, HK2)

Rodriguez-Garcia, M.E., Quiroga, A.G., Castro, J., Ortiz, A., Aller, P. and Mata, F. (2009) Inhibition of p38-MAPK potentiates cisplatin-induced apoptosis via GSH depletion and increases intracellular drug accumulation in growth-arrested kidney tubular epithelial cells. *Toxicological Sciences*, **111**, 413.

Human Breast Adenocarcinoma Cell Line (MCF-7), Human Cervical Cancer Cell Line (HeLa) and Human Osteosarcoma Cell Line (MG63)

Sagar, S. and Green, I.R. (2009) Pro-apoptotic activities of novel synthetic quinones in human cancer cell lines. *Cancer Letters*, **285**, 23-27.

Human Colon Carcinoma HCA-7, Human Breast Cancer MDA-MB231, Human Colon Adenocarcinoma Grade II HT-29, Human Colon Carcinoma HCT-116, Human Embryonic Kidney HEK293 and Human Breast Adenocarcinoma MCF-7 Cell Lines

Schiffmann, S., Sandner, J., Schmidt, R., Birod, K., Wobst, I., Schmidt, H., Angioni, C., Geisslinger, G. and Grösch, S. (2009) The selective COX-2 inhibitor celecoxib modulates sphingolipid synthesis. *The Journal of Lipid Research*, **50**, 32-40.

Human Osteoblast-Like Saos-2 Cells

Smith, S.S., Reyes, J.R., Arbon, K.S., Harvey, W.A., Hunt, L.M. and Heggland, S.J. (2009) Cadmium-induced decrease in RUNX2 mRNA expression and recovery by the antioxidant N-acetylcysteine (NAC) in the human osteoblast-like cell line, Saos-2. *Toxicology in Vitro*, **23**, 60-66.

Non-Hodgkin Lymphoma (NHL) Cells

Sniderhan, L.F., Garcia-Bates, T.M., Burgart, M., Bernstein, S.H., Phipps, R.P. and Maggirwar, S.B. (2009) Neurotrophin signaling through tropomyosin receptor kinases contributes to the survival and proliferation of Non-Hodgkin Lymphoma. *Experimental Hematology*, **37**, 1295 - 1309.

Mouse Leukaemic Monocyte Macrophage Cell Line (RAW 264.7), CB2^{+/+} and CB2^{-/-} Peritoneal Macrophages and Mouse Liver Microsomes

Thewke, D., Freeman-Anderson, N., Pickle, T., Netherland, C. and Chilton, C. (2009) AM-251 and SR144528 are acyl CoA: cholesterol acyltransferase inhibitors. *Biochemical and Biophysical Research Communications*, **381**, 181-186.

Various Cell Lines (COS-7, HEK293, PC12, M23)

Vilar, M., Charalampopoulos, I., Kenchappa, R.S., Reversi, A., Klos-Applequist, J.M., Karaca, E., Simi, A., Spuch, C., Choi, S. and Friedman, W.J. (2009) Ligand-independent signaling by disulfide-crosslinked dimers of the p75 neurotrophin receptor. *Science's STKE*, **122**, 3351-3357.

Rat Insulinoma Cell Line (INS-1)

Widenmaier, S.B., Ao, Z., Kim, S.J., Warnock, G. and McIntosh, C.H.S. (2009) Suppression of p38 MAPK and JNK via Akt-mediated inhibition of Apoptosis Signal-regulating Kinase 1 Constitutes a Core Component of the β -Cell Pro-survival Effects of Glucose-dependent Insulinotropic Polypeptide. *Journal of Biological Chemistry*, **284**, 30372.

Primary Porcine Aortic Valve Interstitial Cells (VICs)

Yip, C.Y.Y., Chen, J.H., Zhao, R. and Simmons, C.A. (2009) Calcification by Valve Interstitial Cells Is Regulated by the Stiffness of the Extracellular Matrix. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **29**, 936.

Human Cervical Cancer HeLa Cell Line

Zou, J., Chang, S.C., Marjanovic, J. and Majerus, P.W. (2009) MTMR9 increases MTMR6 enzyme activity, stability, and role in apoptosis. *Journal of Biological Chemistry*, **284**, 2064-2071.

Neural Crest Derived PC12 Cells

Charalampopoulos, I., Margioris, A.N. and Gravanis, A. (2008) Neurosteroid dehydroepiandrosterone exerts anti-apoptotic effects by membrane-mediated, integrated genomic and non-genomic pro-survival signaling pathways. *Journal of Neurochemistry*, **107**, 1457.

Human Islet Cells and Mouse Insulinoma-Derived MIN6B Cell Line

Dror, V., Kalynyak, T.B., Bychkivska, Y., Frey, M.H.Z., Tee, M., Jeffrey, K.D., Nguyen, V., Luciani, D.S. and Johnson, J.D. (2008) Glucose and Endoplasmic Reticulum Calcium Channels Regulate HIF-1 β via Presenilin in Pancreatic β -Cells. *Journal of Biological Chemistry*, **283**, 9909-9916.

Rat ELT-3 Leiomyoma Cells

Isobe, A., Takeda, T., Sakata, M., Miyake, A., Yamamoto, T., Minekawa, R., Nishimoto, F., Oskamoto, Y., Walker, C.L. and Kimura, T. (2008) Dual repressive effect of angiotensin II-type 1 receptor blocker telmisartan on angiotensin II-induced and estradiol-induced uterine leiomyoma cell proliferation. *Human Reproduction*, **23**, 440-446.

Rat Retinal Tissue and Retinal Ganglion (RGC-5) Cells

Jung, S.H., Kang, K.D., Ji, D., Fawcett, R.J., Safa, R., Kamalden, T.A. and Osborne, N.N. (2008) The flavonoid baicalin counteracts ischemic and oxidative insults to retinal cells and lipid peroxidation to brain membranes. *Neurochemistry International*, **53**, 325-337.

Rat Adrenal Medulla PC12 Cell Line

Kasivisvanathan, V., McArthur, S., Gillies, G., and Solito, E. (2008) The influence of Annexin A1 on the apoptosis of PC12 cells. *Endocrine Abstracts*, **15**, 211.

Human Acute Monocytic Leukaemia THP-1 Cell Line

Kato, S. (2008) Involvement of TLR2 in apoptosis of *Aggregatibacter actinomycetemcomitans*-infected monocytes. 2166 http://iadr.confex.com/iadr/2008Toronto/techprogram/abstract_103857.htm.

Human Dermal Fibroblasts

Kim, J.Y., Kwok, S.K., Hur, K.H., Kim, H.J., Kim, N.S., Yoo, S.A., Kim, W.U. and Cho, C.S. (2008) Up-regulated macrophage migration inhibitory factor protects apoptosis of dermal fibroblasts in patients with systemic sclerosis. *Clinical & Experimental Immunology*, **152**, 328-335.

Basal Cell Carcinoma Cells and a Keratinocytic Cell Line

Kump, E., Ji, J., Wernli, M., Häusermann, P., Erb, P. and Contact, N.P.G. (2008) Gli2 upregulates cFlip and renders basal cell carcinoma cells resistant to death ligand-mediated apoptosis. *Oncogene*, **27**, 3856.

Rat RGC-5 Retinal Ganglion Cells

Li, G.Y. and Osborne, N.N. (2008) Oxidative-induced apoptosis to an immortalized ganglion cell line is caspase independent but involves the activation of poly (ADP-ribose) polymerase and apoptosis-inducing factor. *Brain Research*, **1188**, 35-43.

Human Colon Cancer NCT116 Cell Line

Masuda, K., Teshima-Kondo, S., Mukaijo, M., Yamagishi, N., Nishikawa, Y., Nishida, K., Kawai, T. and Rokutan, K. (2008) A Novel Tumor-Promoting Function Residing in the 5' Non-coding Region of Vascular Endothelial Growth Factor mRNA. *PLoS Med*, **5**, e94.

Rat TGC-5 Retinal Ganglion Cells

Osborne,N.N., Li,G.Y., Ji,D., Mortiboys,H.J. and Jackson,S. (2008) Light affects mitochondria to cause apoptosis to cultured cells: possible relevance to ganglion cell death in certain optic neuropathies. *Journal of Neurochemistry*, **105**, 2013-2028.

Human Gastric Epithelial Cell Lines

Otsubo,T., Akiyama,Y., Yanagihara,K. and Yuasa,Y. (2008) SOX2 is frequently down regulated in gastric cancers and inhibits cell growth through cell-cycle arrest and apoptosis. *British Journal of Cancer*, **98**, 824-831.

Human Prostate Cancer DU145 Cell Line

Papadopoulou,N., Charalampopoulos,I., Alevizopoulos,K., Gravanis,A. and Stournaras,C. (2008) Rho/ROCK/actin signaling regulates membrane androgen receptor induced apoptosis in prostate cancer cells. *Experimental Cell Research*, **314**, 3162-3174.

Mouse Endothelial Cell Line MS1

Qiao,L., Gu,Q., Dai,Y., Shen,Z., Liu,X., Qj,R., Ma,J., Zou,B., Li,Z., Lan,H.Y. and Wong,B.C.Y. (2008) XIAP-Associated Factor 1 (XAF1) Suppresses Angiogenesis in Mouse Endothelial Cells. *Tumor Biology*, **29**, 122-129.

Human Gingival Fibroblast HGF-1 Cell Line

Reti,R., Kwon,E., Qui,P., Wheater,M. and Sosne,G. (2008) Thymosin Beta-4 is Cytoprotective in Human Gingival Fibroblasts. *Eur. J. Oral Sci.*, **116**, 424-430.

Primary Endothelial Cells

Schroit, A. J., Balasubramanian, K., and McCarty, M. B-2-glycoprotein is an inhibitor of angiogenesis. *United States Patent*, US 7,329,642,B2.

Human Tumor Epithelial Cell Lines

Serebriiskii,I., Castelló-Cros,R., Lamb,A., Golemis,E.A. and Cukierman,E. (2008) Fibroblast-derived 3D matrix differentially regulates the growth and drug-responsiveness of human cancer cells. *Matrix Biology*, **27**, 573-585.

Microvascular Endothelial Cell (MEC), Human Hepatocellular Carcinoma Murine Hepa1-6 and Rat McA-RH7777 Cell Lines

Shen,Z., Wong,O.G.W., Yao,R.Y., Liang,J., Kung,H.F. and Lin,M.C.M. (2008) A novel and effective hepatocyte growth factor kringle 1 domain and p53 cocktail viral gene therapy for the treatment of hepatocellular carcinoma. *Cancer Letters*, doi:10.1016/j.canlet.2008.03.064.

Rat Hepatocellular Carcinoma McA-RH7777 and Mouse Microvascular-Endothelial SVEC4-10EE2 Cell Lines

Shen,Z., Yang,Z.F., Gao,Y., Li,J.C., Chen,H.X., Liu,C.C., Poon,R.T.P., Fan,S.T., Luk,J.M. and Sze,K.H. (2008) The Kringle 1 Domain of Hepatocyte Growth Factor Has Antiangiogenic and Antitumor Cell Effects on Hepatocellular Carcinoma. *Cancer Research*, **68**, 404-414.

Commonly Used Laboratory Cell Lines Derived from Diverse Cell Lineages

Singh,M.K., Dadke,D., Nicolas,E., Serebriiskii,I.G., Apostolou,S., Canutescu,A., Egleston,B.L. and Golemis,E.A. (2008) A Novel Cas Family Member, HEPL, Regulates FAK and Cell Spreading. *Molecular Biology of the Cell*, **19**, 1627-1636.

Human Osteoblast-Like Cell Line Saos-2

Smith,S.S., Reyes,J.R., Arbon,K.S., Harvey,W.A., Hunt,L.M. and Heggland,S.J. (2008) Cadmium-induced decrease in RUNX2 mRNA expression and recovery by the antioxidant N-acetylcysteine (NAC) in the human osteoblast-like cell line, Saos-2. *Toxicology in Vitro*, **23**, 60-66.

Human Pancreatic Cancer Cell Line

Takano,S., Yoshitomi,H., Togawa,A., Sogawa,K., Shida,T., Kimura,F., Shimizu,H., Tomonaga,T., Nomura,F. and Miyazaki,M. (2008) Apolipoprotein C-1 maintains cell survival by preventing from apoptosis in pancreatic cancer cells. *Oncogene*, **27**, 2810-2822.

Human Gingival Fibroblasts

Takeuchi,R. (2008) Relationship between Gingival Overgrowth and Lipopolysaccharide Induced Apoptosis. 1376
http://iadr.confex.com/iadr/2008Toronto/techprogram/abstract_105559.htm

Murine Articular Chondrocytes

Tare,R.S., Townsend,P.A., Packham,G.K., Inglis,S. and Oreffo,R.O.C. (2008) Bcl-2-associated athanogene-1 (BAG-1): A transcriptional regulator mediating chondrocyte survival and differentiation during endochondral ossification. *Bone*, **42**, 113-128.

Human Intestinal CACO-2 Cell Line

Wald,F.A., Oriolo,A.S., Mashukova,A., Fregien,N.L., Langshaw,A.H. and Salas,P.J.I. (2008) Atypical Protein Kinase C (iota) mediates local ezrin activation in the apical domain of intestinal epithelial cells. *Journal of Cell Science*, **121**, 644-654.

Human Gall Bladder Carcinoma Cell Lines

Washiro,M., Ohtsuka,M., Kimura,F., Shimizu,H., Yoshidome,H., Sugimoto,T., Seki,N. and Miyazaki,M. (2008) Upregulation of topoisomerase IIa expression in advanced gallbladder carcinoma: a potential chemotherapeutic target. *Journal of Cancer Research and Clinical Oncology*, **134**, 793-801.

Human Epithelial Cells

Zarantonelli,M.L., Lancellotti,M., Deghmane,A.E., Giorgini,D., Hong,E., Ruckly,C., Alonso,J.M. and Taha,M.K. (2008) Hyperinvasive genotypes of *Neisseria meningitidis* in France. *Clinical Microbiology and Infection*, **14**, 467-472.

Rat RGC-5 Retinal Ganglion Cells

Zhang,B., Rusciano,D. and Osborne,N.N. (2008) Orally administered epigallocatechin gallate attenuates retinal neuronal death in vivo and light-induced apoptosis in vitro. *Brain Research*, **1198**, 141-152.

Undetermined Experimental Model

Yamagata,K., Daitoku,H., Takahashi,Y., Namiki,K., Hisatake,K., Kako,K., Mukai,H., Kasuya,Y. and Fukamizu,A. (2008) Arginine Methylation of FOXO Transcription Factors Inhibits Their Phosphorylation by Akt. *Molecular Cell*, **32**, 221-231.

2007

Human Malignant Mesothelioma NCI-H2052 and Mesothelial MeT-5A Cells Lines

Aung,W., Hasegawa,S., Furukawa,T. and Saga,T. (2007) Potential role of ferritin heavy chain in oxidative stress and apoptosis in human mesothelial and mesothelioma cells: implications for asbestos-induced oncogenesis. *Carcinogenesis*, **28**, 2047-2052.

Human Renal Carcinoma Cell Line

Fujimoto,N., Nomura,M., Nishi,H. and Matsumoto,T. (2007) MP-16.10: Nitrogen-containing bisphosphonates inhibit the growth of renal cell carcinoma cells. *Urology*, **70**, 124-125.

Human Primary Polymorphonuclear Leukocyte Cell Line

Higurashi,H., Arai,M., Watanabe,A., Igari,H., Seki,N., Kamei,K. and Kuriyama,T. (2007) Gene Expression Profiling of Polymorphonuclear Leukocytes Treated with the Culture Filtrate of *Aspergillus fumigatus* and Gliotoxin *Microbiology and Immunology*, **51**, 407-419.

Human LNCaP, MCF-7, DU 145, MDA MB231 Prostate, Breast, Renal Caki-1, Urinary Bladder J82, Colon HCT 116 and Lung A 549 Cancer Cell Lines

Hostanska,K., Suter,A., Melzer,J. and Saller,R. (2007) Evaluation of cell death caused by an ethanolic extract of *Serenoa repentis fructus* (Prostasan) on human carcinoma cell lines. *Anticancer Res*, **27**, 873-881.

Human Primary Aortic Endothelial Cell Line

Hung,S.C., Pochampally,R.R., Chen,S.C., Hsu,S.C. and Prockop,D.J. (2007) Angiogenic Effects of Human Multipotent Stromal Cells (MSCs). Conditioned Medium Activates the PI3K-Akt Pathway in Hypoxic Endothelial Cells to Inhibit Apoptosis, Increase Survival, and Stimulate Angiogenesis. *Stem Cells*, **25**, 2363-2370.

Human Multipotent Stromal Cell Line

Hung,S.C., Pochampally,R.R., Hsu,S.C., Sanchez,C., Chen,S.C., Spees,J. and Prockop,D.J. (2007) Short-Term Exposure of Multipotent Stromal Cells to Low Oxygen Increases Their Expression of CX3CR1 and CXCR4 and Their Engraftment In Vivo. *PLoS ONE*, **2**, e416.

Rat RGC-5 Retinal Ganglion Cells

Ji,D., Li,G.Y. and Osborne,N.N. (2007) Nicotinamide attenuates retinal ischemia and light insults to neurones. *Neurochemistry International*, **52**, 786-798.

Human Cholangiocarcinoma Cell Line

Jinawath,A., Akiyama,Y., Sripa,B. and Yuasa,Y. (2007) Dual blockade of the Hedgehog and ERK1/2 pathways coordinately decreases proliferation and survival of cholangiocarcinoma cells. *Journal of Cancer Research and Clinical Oncology*, **133**, 271-278.

Mouse Mammary Epithelial, COS7 and A549 Cell Lines

Kanome,T., Itoh,N., Ishikawa,F., Mori,K., Kim-Kaneyama,J.R., Nose,K. and Shibanuma,M. (2007) Characterization of Jumping translocation breakpoint (JTB) gene product isolated as a TGF- β 1-inducible clone involved in regulation of mitochondrial function, cell growth and cell death. *Oncogene*, **26**, 5991-6001.

Human Monocyte THP-1 Cell Line

Kato,S. (2007) Role of TNF- α in apoptosis of *A. actinomycetemcomitans*-infected monocytes. Thesis.

Mouse Hepatocyte Primary Culture

Kawao,N., Okada,K., Kawata,S., Okamoto,C., Tsuritani,M., Ueshima,S. and Matsuo,O. (2007) Plasmin decreases the BH3-only protein BimEL via the ERK1/2 signaling pathway in hepatocytes. *BBA-Molecular Cell Research*, **1773**, 718-727.

Human and Mouse Colon Cancer Cell Lines, HCT-116 and CT-26

Lan,K.L., Yen,S.H., Liu,R.S., Shih,H.L., Tseng,F.W. and Lan,K.H. (2007) Mutant Bik gene transferred by cationic liposome inhibits peritoneal disseminated murine colon cancer. *Clinical and Experimental Metastasis*, **24**, 461-470.

Human Extravillous Trophoblast Hybridoma Cell Line

Minas,V., Jeschke,U., Kalantaridou,S.N., Richter,D.U., Reimer,T., Mylonas,I., Friese,K. and Makrigiannakis,A. (2007) Abortion is associated with increased expression of FasL in decidual leukocytes and apoptosis of extravillous trophoblasts: a role for CRH and urocortin. *Molecular Human Reproduction*, **13**, 663.

Buffalo Primary Luteal Cell Lines

Mishra,D.P. and Dhali,A. (2007) Endotoxin induces luteal cell apoptosis through the mitochondrial pathway. *Prostaglandins and Other Lipid Mediators*, **83**, 75-88.

Monkey Vero E6 Cell Line

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Mutaguchi, K., Yasumoto, H., Mita, K., Matsubara, A., Shiina, H., Igawa, M., Dahiya, R., and Usui, T. (2003) Restoration of Insulin-Like Growth Factor Binding Protein-Related Protein 1 Has a Tumor-Suppressive Activity through Induction of Apoptosis in Human Prostate Cancer. *Cancer Research*, **63**, 7717-7723.

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