

APOPercentage Citations 2016 (up to 21st June)

- Balaban, H., Nazıroğlu, M., Demirci, K., & Övey, İ. (2016). The Protective Role of Selenium on Scopolamine-Induced Memory Impairment, Oxidative Stress, and Apoptosis in Aged Rats: The Involvement of TRPM2 and TRPV1. *Molecular Neurobiology*. Retrieved from <http://link.springer.com/article/10.1007/s12035-016-9835-0>
- Çetin, E. S., & Nazıroğlu, M. (2016). Selenium potentiates the anticancer effect of cisplatin against oxidative stress and calcium ion signaling-induced intracellular toxicity in MCF-7 breast cancer cells: *Journal of Receptors ...* Retrieved from <http://www.tandfonline.com/doi/abs/10.3109/10799893.2016.1160931>
- Han, E., Yoo, S., Kim, G., & Hwang, D. (2016). GREM1 Is a Key Regulator of Synoviocyte Hyperplasia and Invasiveness. *The Journal of ...* Retrieved from <http://www.jrheum.org/content/43/3/474.short>
- Ishikawa, S., Tamaki, M., Ogawa, Y., & Kaneki, K. (n.d.). Inductive effect of Palmatine on apoptosis in RAW 264.7 Cells. *Downloads.hindawi.com*. Retrieved from <http://downloads.hindawi.com/journals/ecam/aip/7262054.pdf>
- Kahya, M., Nazıroğlu, M., & Övey, İ. (2016). Modulation of Diabetes-Induced Oxidative Stress, Apoptosis, and Ca²⁺ Entry Through TRPM2 and TRPV1 Channels in Dorsal Root Ganglion and Hippocampus of. *Molecular Neurobiology*. Retrieved from <http://link.springer.com/article/10.1007/s12035-016-9727-3>
- Puts, R., & Ruschke, K. (2016). A Focused Low-Intensity Pulsed Ultrasound (FLIPUS) System for Cell Stimulation: Physical and Biological Proof of Principle. *Ultrasonics, ...* Retrieved from http://ieeexplore.ieee.org/xpls/abs_all.jsp?arnumber=7317777
- Sasahira, T., Kurihara, M., Nishiguchi, Y., & Fujiwara, R. (2016). NEDD 4 binding protein 2-like 1 promotes cancer cell invasion in oral squamous cell carcinoma. *Virchows Archiv*. Retrieved from <http://link.springer.com/article/10.1007/s00428-016-1955-4>
- Sasaki, R., Kanda, T., Nakamura, M., & Nakamoto, S. (2016). Possible Involvement of Hepatitis B Virus Infection of Hepatocytes in the Attenuation of Apoptosis in Hepatic Stellate Cells. *PLoS One*. Retrieved from <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4701422/>
- Sinha, R., Yang, X., Fernández, J., & Xu, X. (2016). Apolipoprotein E Receptor 2 Mediates Activated Protein C-Induced Endothelial Akt Activation and Endothelial Barrier Stabilization. , *and Vascular Biology*. Retrieved from <http://atvb.ahajournals.org/content/36/3/518.short>
- Sun, S., Dai, Y., Lu, Z., Li, M., Zhai, Z., Ren, X., & Li, D. (2016). Epigallocatechin gallate enhances 5-fluorouracil antitumor activity in MCF7 cells by regulating the expression of Bcl-xL. *JOURNAL OF CLINICAL ...* Retrieved from <http://www.ijcep.com/files/ijcep0021614.pdf>
- Takeuchi, R., Hiratsuka, K., & Arikawa, K. (2016). Possible pharmacotherapy for nifedipine-induced gingival overgrowth: 18 α -glycyrrhetic acid inhibits human gingival fibroblast growth. *British Journal of ...* Retrieved from <http://onlinelibrary.wiley.com/doi/10.1111/bph.13410/pdf>
- Ugan, Y., Nazıroğlu, M., Şahin, M., & Aykur, M. (2016). Anti-tumor Necrosis Factor Alpha (Infliximab) Attenuates Apoptosis, Oxidative Stress, and Calcium Ion Entry Through Modulation of Cation Channels in Neutrophils of. *The Journal of Membrane ...* Retrieved from <http://link.springer.com/article/10.1007/s00232-016-9884-3>
- Uğuz, A., Öz, A., & Nazıroğlu, M. (2016). Curcumin inhibits apoptosis by regulating intracellular calcium release, reactive oxygen species and mitochondrial depolarization levels in SH-SY5Y neuronal cells. *Journal of Receptors and Signal*. Retrieved from <http://www.tandfonline.com/doi/abs/10.3109/10799893.2015.1108337>

2015**Human Prostate Cancer Cell Line**

Arichi, N., Misui, Y., & Hiraki, M. (2015). Versican is a potential therapeutic target in docetaxel-resistant prostate cancer. *Oncoscience* 2, No. 2, 193.
<http://www.impactjournals.com/oncoscience/files/papers/1/136/136.pdf>

Breast (MCF-7), Colorectal (HT-29), Cervical (HeLa) Cancer Cells and KMST-6 Fibroblasts

Badmus, J., Ekpo, O., & Hussein, A. (2015). Antiproliferative and Apoptosis Induction Potential of the Methanolic Leaf Extract of *Holarrhena floribunda* (G. Don). *Evidence-Based Complementary and Alternative Medicine* Vol. 2015, Article ID 756482, 11 pages. Retrieved from
<http://www.hindawi.com/journals/ecam/2015/756482/abs/>

Primary Islets and Rat Islet Cells (RINm5F)

Bae, U., Jang, H., Lim, J., & Hua, L. (2015). Polyphenols isolated from *Broussonetia kazinoki* prevent cytokine-induced β -cell damage and the development of type 1 diabetes. *Exp & Molecular Medicine* 47, e160. Retrieved from <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4351417/>

Mouse Islets and Rat Islet Cell Line (RINm5F)

Bae, U., Song, M., Jang, H., & Lim, J. (2015). Emodin isolated from *Rheum palmatum* prevents cytokine-induced β -cell damage and the development of type 1 diabetes. *Journal of Functional Foods* 16, 9 - 19. Retrieved from <http://www.sciencedirect.com/science/article/pii/S1756464615001899>

Dermal Fibroblasts and Adult Human Keratinocytes

Cho, C., Baek, I., Kim, K., & Kim, W. (2015). ID: 19: Increased heparanase expression in keratinocytes promotes dermal fibrosis in scleroderma. *Cytokine* 76, 67. Retrieved from <http://www.sciencedirect.com/science/article/pii/S1043466615003154>

Human Breast Cancer Cell Line (MCF-7)

Çiğ, B., & Nazıroğlu, M. (2015). Investigation of the effects of distance from sources on apoptosis, oxidative stress and cytosolic calcium accumulation via TRPV1 channels induced by mobile phones. *Biochimica et Biophysica Acta (BBA)-Biomembranes*, doi: 10.1016/j.2015.02.013. Retrieved from <http://www.sciencedirect.com/science/article/pii/S000527361500053X>

Primary Prostate Cancer and Normal Prostate Tissues

Costa-Pinheiro, P., & Ramalho-Carvalho, J. (2015). MicroRNA-375 plays a dual role in prostate carcinogenesis. *Clinical Epigenetics* 7, 42. Retrieved from <http://link.springer.com/article/10.1186/s13148-015-0076-2>

Human Breast Cancer Cells (MCF-7)

Esau, L., & Sagar, S. (2015). Autophagy Inhibition Enhances the Mitochondrial-Mediated Apoptosis Induced by Mangrove (*Avicennia marina*) Extract in Human Breast Cancer Cells. *European Journal of Medicinal Plants* 5 (3), 304 - 317. Retrieved from <http://search.proquest.com/openview/86651de1334838ce68dc1db27584f64d/1?pq-origsite=gscholar>

Human Hepatocytes

Jiang, X., Kanda, T., Wu, S., & Nakamoto, S. (2015). Hepatitis C Virus Nonstructural Protein 5A Inhibits MG132-Induced Apoptosis of Hepatocytes in Line with NF- κ B-Nuclear Translocation. *PloS One* 10, e0131973. Retrieved from <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4489642/>

Human Eosophageal Squamous Cancer Cells (TE-2)

Kano, M., Matsushita, K., & Rahmutulla, B. (2015). Adenovirus-mediated FIR demonstrated TP53-independent cell-killing effect and enhanced antitumor activity of carbon-ion beams. *Gene Therapy* doi: 10.1038/gt.2015.84. Retrieved from <http://www.nature.com/gt/journal/vaop/ncurrent/full/gt201584a.html>

HeLa, MCF-7, DU145, HT1080 Cell Lines

Kaur, M., & Esau, L. (2015). Two-step protocol for preparing adherent cells for high-throughput flow cytometry. *BioTechniques* **59**, 119 - 126. Retrieved from http://www.biotechniques.com/multimedia/archive/00250/BTN5903-RP-Kaur-AOP_250598a.pdf

Mouse Macrophage Cell Line (RAW264.7 Cells)

Kim, S.K., Oh, E., & Yun, M. (2015). Palmitate induces cisternal ER expansion via the activation of XBP-1/CCT α -mediated phospholipid accumulation in RAW 264.7 cells. *Lipids in Health and Disease* **14**, 73. Retrieved from <http://lipidworld.biomedcentral.com/articles/10.1186/s12944-015-0077-3>

Human Breast Cancer Cell Line (MCF-7)

Koşar, P., Nazıroğlu, M., Övey, İ., & Çiğ, B. (2015). Synergic Effects of Doxorubicin and Melatonin on Apoptosis and Mitochondrial Oxidative Stress in MCF-7 Breast Cancer Cells: Involvement of TRPV1 Channels. *The Journal of Membrane Biology* doi: 10.1007/s00232-015-9855-0. Retrieved from <http://link.springer.com/article/10.1007/s00232-015-9855-0>

Neutrophils from Patients with Poly Cystic Ovary Syndrome

Köse, S., & Naziroglu, M. (2015). N-acetyl cysteine reduces oxidative toxicity, apoptosis, and calcium entry through TRPV1 channels in the neutrophils of patients with polycystic ovary syndrome. *Free Radical Research* **49**, 338 - 346. Retrieved from <http://informahealthcare.com/doi/abs/10.3109/10715762.2015.1006214>

HIV-Associated Nephropathy Biopsy Tissues

Mbita, Z., Naicker, S., Goetsch, S., & Dlamini, Z. (2015). The association of RBBP6 variant 3 expressions with apoptosis in human immunodeficiency virus-associated nephropathy (HIVAN). *Experimental and Molecular Pathology* doi: 10.1016/j.yexmp.2015.04.005. Retrieved from <http://www.sciencedirect.com/science/article/pii/S001448001500091X>

Prostate Cancer Cell Lines (ETV1 and ETV4)

Mesquita, D., Barros-Silva, J., & Santos, J. (2015). Specific and redundant activities of ETV1 and ETV4 in prostate cancer aggressiveness revealed by co-overexpression cellular contexts. *Oncotarget* **6**, 5217 - 5236. Retrieved from <http://www.ncbi.nlm.nih.gov/pubmed/25595908>

Rat Neurons

Nazıroğlu, M., & Övey, İ. (2015). Involvement of apoptosis and calcium accumulation through TRPV1 channels in neurobiology of epilepsy. *Neuroscience* **293**, 55 - 66. Retrieved from <http://www.sciencedirect.com/science/article/pii/S0306452215001931>

Human Colorectal Adenocarcinoma Caco-2 Cells

Omoyeni, O., & Hussein, A. (2015). *Pleiocarpa pycnantha* leaves and its triterpenes induce apoptotic cell death in Caco-2 cells in vitro. *BMC Complementary and Alternative Medicine* **15**, 224. Retrieved from <http://www.biomedcentral.com/1472-6882/15/224>

Mouse Hippocampal Neurons

Övey, I.S. & Naziroglu, M. (2015) Homocysteine and cytosolic GSH depletion induce apoptosis and oxidative toxicity through cytosolic calcium overload in the hippocampus of aged mice: Involvement of TRPM2 and TRPV1 channels. *Neuroscience* **284**, 225 - 233. Retrieved from <http://www.sciencedirect.com/science/article/pii/S0306452214008483>

Rat Dorsal Root Ganglion Neurones

Özdemir, Ü., & Nazıroğlu, M. (2015). *Hypericum perforatum* Attenuates Spinal Cord Injury-Induced Oxidative Stress and Apoptosis in the Dorsal Root Ganglion of Rats: Involvement of TRPM2 and TRPV1. *Molecular Neurobiology* doi: 10.1007/s12035-015-9292-1. Retrieved from <http://link.springer.com/article/10.1007/s12035-015-9292-1>

Rat Incisor Dental Pulp Cells

Ozeki, N., Yamaguchi, H., & Hiyama, T. (2015). IL-1 β -induced matrix metalloproteinase-3 regulates cell proliferation in rat dental pulp cells. *Oral Diseases* **21**, 97 - 105. Retrieved from <http://onlinelibrary.wiley.com/doi/10.1111/odi.12219/full>

Embryonic Stem Cell-Derived Odontoblastic Cells

Ozeki, N., Hase, N., Hiyama, T., & Yamaguchi, H. (2015). Interleukin-1 β -Induced Autophagy-Related Gene 5 Regulates Proliferation of Embryonic Stem Cell-Derived Odontoblastic Cells. *PLoS ONE* doi: 10.1371/journal.pone.0124542. Retrieved from <http://dx.plos.org/10.1371/journal.pone.0124542>

Purified Odontoblast-Like Cells from Human Skeletal Muscle Stem Cells

Ozeki, N., Hase, N., & Kawai, R. (2015) Unique proliferation response in odontoblastic cells derived from human skeletal muscle stem cells by cytokine-induced matrix metalloproteinase-3. *Experimental Cell Research* **331**, 105 - 114. Retrieved from <http://www.sciencedirect.com/science/article/pii/S0014482714004042>

Human Cancer Cell lines (HepG2, MCF7, H157 and HT29) and Non-Cancerous Cell line KMST6

Saibu, G., Katerere, D., Rees, D., & Meyer, M. (2015). *In vitro* cytotoxic and pro-apoptotic effects of water extracts of *Tulbaghia violacea* leaves and bulbs. *Journal of Ethnopharmacology* **164**, 203 - 209. Retrieved from <http://www.sciencedirect.com/science/article/pii/S0378874115000550>

Human Prostate Cancer Cell Lines (LNCaP and VCaP)

Santos, J., Mesquita, D., & Barros-Silva, J. (2015). Uncovering potential downstream targets of oncogenic GRPR overexpression in prostate carcinomas harbouring ETS rearrangements. *Impactjournals.com, Oncoscience* Vol.2, No. 5. Retrieved from <http://www.impactjournals.com/oncoscience/index.php?pii=142>

Human Umbilical Vein Endothelial Cells

Shibata, A., & Nakagawa, K. (2015). α -Tocopherol suppresses antiangiogenic effect of δ -tocotrienol in human umbilical vein endothelial cells. *The Journal of Nutritional Biochemistry* **26**, 345 - 350. Retrieved from <http://www.sciencedirect.com/science/article/pii/S0955286314002605>

Human Gingival Fibroblasts

Takeuchi, R., & Hiratsuka, K. (2015). Possible pharmacotherapy for nifedipine-induced gingival overgrowth: 18 α -glycyrrhetic acid inhibits human gingival fibroblast growth. *British Journal of Pharmacology* doi: 10.1111/bph.13410. Retrieved from <http://onlinelibrary.wiley.com/doi/10.1111/bph.13410/abstract>

Thirteen Cell Lines, Cancerous and Non-Cancerous

Traut-Johnstone, T., & Kanyanda, S. (2015). Heteroditopic P, N ligands in gold (I) complexes: Synthesis, structure and cytotoxicity. *Journal of Inorganic Biochemistry* **145**, 108 - 120. Retrieved from <http://www.sciencedirect.com/science/article/pii/S0162013415000318>

Human Neuronal Cell Line (SH-SY5Y)

Uğuz, A., Öz, A., & Nazıroğlu, M. (2015). Curcumin inhibits apoptosis by regulating intracellular calcium release, reactive oxygen species and mitochondrial depolarization levels in SH-SY5Y neuronal cells. *Journal of Receptors and Signal Transduction* doi: 10.3109/10799893.2015.1108337. Retrieved from <http://www.tandfonline.com/doi/abs/10.3109/10799893.2015.1108337>

Human Neuronal Cell Line (SH-SY5Y)

Uğuz, A., & Öz, A. (2015). Melatonin attenuates apoptosis and mitochondrial depolarization levels in hypoxic conditions of SH-SY5Y neuronal cells induced by cobalt chloride (CoCl₂). *Turkish Journal of Biology* doi: 10.3906/biy-1505-100. Retrieved from <http://journals.tubitak.gov.tr/biology/abstract.htm?id=17332>

Cutaneous and Uveal Melanoma Cells

Venza, M., Visalli, M., Biondo, C., & Oteri, R. (2015). Epigenetic marks responsible for cadmium-induced melanoma cell overgrowth. *Toxicology in Vitro* **29**, 242 - 250. Retrieved from <http://www.sciencedirect.com/science/article/pii/S0887233314002112>

Melanoma Cells

Venza, M., Visalli, M., & Oteri, R. (2015). The overriding of TRAIL resistance by the histone deacetylase inhibitor MS-275 involves c-myc up-regulation in cutaneous, uveal, and mucosal melanoma. *International Immunopharmacology* **28**, 313 - 321. Retrieved from <http://www.sciencedirect.com/science/article/pii/S1567576915300023>

Rat Insulinoma Cell Line (RINm5F)

Wang, J., Song, M., & Bae, U. (2015). n-3 Polyunsaturated fatty acids protect against pancreatic β -cell damage due to ER stress and prevent diabetes development. *Molecular Nutrition & Food Research* **59**, 1791 - 1802. Retrieved from <http://onlinelibrary.wiley.com/doi/10.1002/mnfr.201500299/full>

Hepatocellular Carcinoma Sub-Cell Lines

Wang, L., & Wang, Y. (2015). MicroRNA-215 is upregulated by treatment with Adriamycin and leads to the chemoresistance of hepatocellular carcinoma cells and tissues. *Molecular Medicine Reports* **12**, 5274 - 5280. Retrieved from <http://www.spandidos-publications.com/mmr/12/4/5274>

Human Fibroblast-Like Synoviocytes

Yoo, S., Park, J., & Hwang, S. (2015). Placental Growth Factor-1 and-2 Induce Hyperplasia and Invasiveness of Primary Rheumatoid Synoviocytes. *The Journal of Immunology* **194**, 2513 - 2521. Retrieved from <http://www.jimmunol.org/content/194/6/2513.short>

Rat Hippocampus

Yürüker, V., Nazıroğlu, M., & Şenol, N. (2015). Reduction in traumatic brain injury-induced oxidative stress, apoptosis, and calcium entry in rat hippocampus by melatonin: Possible involvement of TRPM2 channels. *Metabolic Brain Disease* **30**, 223 - 231. Retrieved from <http://link.springer.com/article/10.1007/s11011-014-9623-3>

Hepatocytes

Zhou, L., Koh, H., Bae, U., & Park, B. (2015). Aggravation of post-ischemic liver injury by overexpression of insulin-like growth factor binding protein 3. *Scientific Reports* **5**, Article No. 11231. Retrieved from <http://www.nature.com/srep/2015/150615/srep11231/full/srep11231.html?message-global=remove>

2014

Rat Pheochromocytoma-Derived Cell Line (PC12)

Akpınar, A., Uğuz, A. C., and Nazıroğlu, M. (2014) Agomelatine and Duloxetine Synergistically Modulates Apoptotic Pathway by Inhibiting Oxidative Stress Triggered Intracellular Calcium Entry in Neuronal PC12 Cells: Role of TRPM2 and Voltage-Gated calcium Channels. *The Journal of Membrane Biology* **247**, 451 - 459.

Human Colonic Tumour Line (Caco2)

Alkatani, S. H. (2014) The Steroidal Na⁺/K⁺ ATPase Inhibitor 3-[(R)-3-Pyrrolidinyl] oxime Derivative (3-R-POD) Induces Potent Pro-Apoptotic Responses in Colonic Tumor Cells. *Anticancer Research* **34**, 2967 - 2971.

Prostate Cancer Cells (22Rv1, DU145, LNCaP, PC-3, VCaP)

Almeida, M., and Costa, V. (2014) Epigenetic regulation of EFEMP1 in prostate cancer: biological relevance and clinical potential. *Journal of Cellular and Molecular Medicine* doi: 10.1111/jcmm.12394.

Human Retinal Pigment Cell Line (ARPE-19)

Argun, M., Tök, L., Uğuz, A. C., Çelik, Ö., Tök, Ö. Y., and Nazıroğlu, M. (2014) Melatonin and amfenac modulate calcium entry, apoptosis, and oxidative stress in ARPE-19 cell culture exposed to blue light irradiation (405 nm). *Eye* **28**, 752 - 760.

Human Oesophageal Carcinoma Cells (OE33 and OAC)

Beales, I. L. P., Garcia-Morales, C., Ogunwobi, O. O., and Mutungi, G. (2014) Adiponectin inhibits leptin-induced oncogenic signalling in oesophageal cancer cells by activation of PTP1B. *Molecular and Cellular Endocrinology* **382**, 150 - 158.

Ovarian Cancer Cells (SKOV3)

Cohen, M., Pierredon, S., Wuillemin, C., Delie, F., and Petignat, P. (2014) Acellular fraction of ovarian cancer ascites induce apoptosis by activating JNK and inducing BRCA1, Fas and FasL expression in ovarian cancer cells. <http://www.impactjournals.com/oncoscience>. *Oncoscience* 2014, vol.1, No.4.

Bone Graft Substitute

Ghag, A. K., Gough, J. E., and Downes, S. (2014) The osteoblast and osteoclast responses to phosphonic acid containing poly (ϵ -caprolactone) electrospun scaffolds. *Biomaterials Science* **2**, 233 - 241.

Murine Dorsal Root Ganglion and Rat Hippocampus

Ghazizadeh, V., and Nazıroğlu, M. (2014) Electromagnetic radiation (Wi-Fi) and epilepsy induce calcium entry and apoptosis through activation of TRPV1 channel in hippocampus and dorsal root ganglion of rats. *Metabolic Brain Disease* **29**, 787 - 799.

Human Prostate Cancer Cell Lines (LNCaP, 22Rv1, DU145 and PC-3)

Graça, I., Sousa, E. J., Baptista, T., & ... (2014). Anti-tumoral effect of the non-nucleoside DNMT inhibitor RG108 in human prostate cancer cells. *Current Pharmaceutical Design* **20**, 1803 - 1811. Retrieved from <http://www.ingentaconnect.com/content/ben/cpd/2014/00000020/00000011/art00023>

Human Hepatocytes and Liver Carcinoma Cell Lines (HepG2 and Huh7)

Jiang, X., Kanda, T., Wu, S., & Nakamoto, S. (2014). Hepatitis C Virus Nonstructural Protein 5A Inhibits Thapsigargin-Induced Apoptosis. *PLoS ONE* **9**(11): e113499. doi:10.1371/journal.pone.0113499. Retrieved from <http://dx.plos.org/10.1371/journal.pone.0113499.g001>

Human Hepatoma

Jiang, X., Kanda, T., Nakamoto, S., Miyamura, T., Wu, S., and Yokosuka, O. (2014) Involvement of androgen receptor and glucose-regulated protein 78kDa in human hepatocarcinogenesis. *Experimental Cell Research* **323**, 326 - 336.

Human Breast Cancer Cell Line (MDA-MB-231)

Kahya, M. C., Nazıroğlu, M., and Çiğ, B. (2014) Selenium Reduces Mobile Phone (900 MHz)-Induced Oxidative Stress, Mitochondrial Function, and Apoptosis in Breast Cancer Cells. *Biological Trace Element Research* **16**, 285 - 293.

Human Breast Carcinomas (HCC70, ZR75-1), Human Oesophageal Carcinomas (TE-9, KYSE30, KYSE150 and KYSE220) and Human Fibrosarcoma (HT1080)

Kunogi, H., and Sakanishi, T. (2014) Prediction of Radiosensitivity Using Phosphorylation of Histone H2AX and Apoptosis in Human Tumour Cell Lines. *International Journal of Radiation Biology* **90**, 587 - 593.

Murine Fibroblast-Like Synoviocytes

Lee, H. -S., Woo, S. J., Koh, H. -W., Ka, S. -O., Zhou, L., Jang, K. Y., Lim, H. S., Kim, H. -O., Lee, S. -I. and Park, B. -H. (2014) Regulation of Apoptosis and Inflammatory Responses by Insulin-like Growth Factor Binding Protein 3 in Fibroblast-like Synoviocytes and Experimental Animal Models of Rheumatoid Arthritis. *Arthritis and Rheumatology* **66**, 863 - 873.

Cervical Squamous Cell Carcinoma Cells (HeLa) and Colon Adenocarcinoma Cells (SW480)

Matsushita, K., Shimada, H., Ueda, Y., Inoue, M., Hasegawa, M., Tomonaga, T., Matsubara, H. and Nomura, F. (2014) Non-transmissible Sendai virus vector encoding c-myc suppressor FBP-interacting repressor for cancer therapy. *World Journal of Gastroenterology* **20**, 4316 - 4328.

Rat Hippocampus

Nazırođlu, M., & Özkan, F. (2014). Epilepsy But Not Mobile Phone Frequency (900 MHz) Induces Apoptosis and Calcium Entry in Hippocampus of Epileptic Rat: Involvement of TRPV1 Channels. *The Journal of Membrane Biology* doi: 10.1007/s00232-014-9744-y. Retrieved from <http://link.springer.com/article/10.1007/s00232-014-9744-y>

Human Neutrophils

Nazırođlu, M., Şahin, M., Çiğ, B., Aykur, M., Erturan, İ. and Ugan, Y. (2014) Hypericum perforatum Modulates Apoptosis and Calcium Mobilization Through Voltage-Gated and TRPM2 Calcium Channels in Neutrophil of Patients with Behcet's Disease. *The Journal of Membrane Biology* **247**, 253 - 262.

Rat Hippocampus

Nazırođlu, M., Şenol, N., Ghazizadeh, V., and Yürüker, V. (2014) Neuroprotection Induced by N-acetylcysteine and Selenium Against Traumatic Brain Injury-Induced Apoptosis and Calcium Entry in Hippocampus of Rat. *Cellular and Molecular Neurobiology* **34**, 895 - 903.

Human Macrophages

Öhman, T., Teirilä, L., Lahesmaa-Korpinen, A.-M., Cypryk, W., Veckman, V., Saijo, S., Wolff, H., Hautaniemi, S., Nyman, T. A. and Matikainen, S. (2014) Dectin-1 Pathway Activates Robust Autophagy-Dependent Unconventional Protein Secretion in Human Macrophages. *The Journal of Immunology* **192**, 5952 - 5962.

Murine Hippocampus

Övey, İ., and Nazırođlu, M. (2014) Homocysteine and Cytosolic GSH Depletion Induce Apoptosis and Oxidative Toxicity Through Cytosolic Calcium Overload in Hippocampus of Aged Mice: Involvement of TRPM2 and tRPV1 Channels. *Neuroscience* doi: 10.1016/j.neuroscience.2014.09.078.

Embryonic Stem Cell-Derived Odontoblastic Cells

Ozeki, N., Hase, N., and Hiyama, T. (2014) IL-1 β -induced, matrix metalloproteinase-3-regulated proliferation of embryonic stem cell-derived odontoblastic cells is mediated by the Wnt5 signaling pathway. *Experimental Cell Research* **328**, 69 - 86.

Human Skeletal Muscle Odontoblast-Like Cells

Ozeki, N., Hase, N., and Kawai, R. (2014) Unique proliferation response in odontoblastic cells derived from human skeletal muscle stem cells by cytokine-induced matrix metalloproteinase-3. *Experimental Cell* doi: 10.1016/j.yexcr.2014.09.015.

Human Osteoblast-Like Cells (α 7+hSMSc-OB)

Ozeki, N., Kawai, R., and Yamaguchi, H. (2014) IL-1 β -induced matrix metalloproteinase-13 is activated by a disintegrin and metalloprotease-28-regulated proliferation of human osteoblast-like cells. *Experimental Cell Research* **323**, 165 - 177.

Human Monocyte-Derived Macrophages

Palomäki, J., Sund, J., & Vippola, M. (2014). A secretomics analysis reveals major differences in the macrophage responses towards different types of carbon nanotubes. *Nanotoxicology* doi: 10.3109/17435390.2014.969346. Retrieved from <http://informahealthcare.com/doi/abs/10.3109/17435390.2014.969346>

Mouse Synovial Cells

Park, Y.J., Yoo, S.A., Kim, W.U. (2014). Role of endoplasmic reticulum stress in rheumatoid arthritis pathogenesis. *J Korean Med Sci* **29**, 2 - 11. Retrieved from <http://synapse.koreamed.org/DOIx.php?id=10.3346/jkms.2014.29.1.2>

Mouse Embryo Fibroblast Cell Line (NIH3T3)

Pretorius, A., & Meyer, M. (2014). Silencing of Mouse RBBP6 Using Interference RNA Implicates It in Apoptosis and the Cell Cycle. *GSTF International Journal of BioSciences* **2**, 50 - 58. Retrieved from <http://dl6.globalstf.org/index.php/jbio/article/viewFile/366/386>

Breast Adenocarcinoma (MCF-7), Breast Carcinoma (BT20), Prostate Carcinoma (DU145), Hepatocellular Carcinoma (HepG2) and Normal Skin Fibroblasts (BJ)

Sagar, S., Esau, L., and Moosa, B. (2014) Cytotoxicity and Apoptosis Induced by a Plumbagin Derivative in Estrogen Positive MCF-7 Breast Cancer Cells. *Anti-Cancer Agents Med Chem.* **14**, 170 - 180.

Human Cancer Cell Lines and the Non Cancerous Cell Line KMST-6

Saibu, M., Sagar, S., Green, I., Ameer, F., and Meyer, M. (2014) Evaluating the Cytotoxic Effects of Novel Quinone Compounds. *Anticancer Research* **34**, 4077 - 4086.

Human Umbilical Vein Endothelial Cells

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Human Malignant Pleural Mesothelioma Cell Lines and Non-Tumour Immortalised Mesothelial Cells

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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

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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.

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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.

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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.

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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.

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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.

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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.

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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

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

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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

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