2013 Publications

Anti-C/EBP Beta Ab

Kim, K.S., H.M. Choi, H.I. Ji, C. Kim, J.Y. Kim, R. Song, S.M. Kim, Y.A. Lee, S.H. Lee, H.I. Yang, M.C. Yoo, and S.J. Hong. 2013b. Effect of taurine chloramine on differentiation of human preadipocytes into adipocytes. In Advances in experimental medicine and biology. Vol. 775. 247-257.

Anti-p16 ink4a Ab

Accumulation of DNA Damage-Induced Chromatin Alterations in Tissue-Specific Stem Cells: The Driving Force of Aging? PLOS ONE, DOI: 10.1371/journal.pone.0063932.

Anti-PPAR gamma Ab

Kim, K.S., H.M. Choi, H.I. Ji, C. Kim, J.Y. Kim, R. Song, S.M. Kim, Y.A. Lee, S.H. Lee, H.I. Yang, M.C. Yoo, and S.J. Hong. 2013b. Effect of taurine chloramine on differentiation of human preadipocytes into adipocytes. In Advances in experimental medicine and biology. Vol. 775. 247-257.

Anti-Src Ab

Westhoff, M., S. Zhou, L. Nonnenmacher, G. Karpel-Massler, C. Jennewein, M. Schneider, M. Halatsch, N. Carragher, B. Baumann, A. Krause, T. Simmet, M. Bachem, C. Wirtz, and K. Debatin. 2013. Inhibition of NF-κB Signaling Ablates the Invasive Phenotype of Glioblastoma. Molecular Cancer Research, 11:1611-1623.

Antibodies

Dycus, D., A. Au, M. Grzanna, J. Wardlaw, and C. Frondoza. 2013. Modulation of inflammation and oxidative stress in canine chondrocytes. Am J Vet Research, 74:983-989.

BAOEC: Bovine Aortic Endothelial Cells

Candelario, J., and M. Chachisvilis. 2013. Activity of Bradykinin B2 Receptor Is Regulated by Long-Chain Polyunsaturated Fatty Acids. PloS one. 8:e68151

Ching, L.C., J.F. Zhao, K.H. Su, S.K. Shyue, C.P. Hsu, T.M. Lu, S.J. Lin, and T.S. Lee. 2013. Activation of transient receptor potential vanilloid 1 decreases endothelial nitric oxide synthase phosphorylation at Thr497 by protein phosphatase 2B-dependent dephosphorylation of protein kinase C. Acta Physiologica. 209:124-135.

Huang, J.-H., J. Kim, Y. Ding, A. Jayaraman, and V.M. Ugaz. 2013. Embedding Synthetic Microvascular Networks in Poly(Lactic Acid) Substrates with Rounded Cross-Sections for Cell Culture Applications. PloS one. 8:e73188.

Kim, H.-S., V. Montana, H.-J. Jang, V. Parpura, and J.-a. Kim. 2013. Epigallocatechin-gallate (EGCG) stimulates autophagy in vascular endothelial cells: A potential role for reducing lipid accumulation. Journal of Biological Chemistry. 288:22706. doi:22710.21074/jbc.P22113.477505.

BBMVEC: Bovine Brain Microvascular Endothelial Cells

Agyare, E.K., S.R. Leonard, G.L. Curran, C.C. Yu, V.J. Lowe, A.K. Paravastu, J.F. Poduslo, and K.K. Kandimalla. 2013. Traffic jam at the blood-brain barrier promotes greater accumulation of Alzheimer's disease amyloid-+Ý proteins in the cerebral Vasculature. Molecular Pharmaceutics, 10:1557-1565.

Lisk, C., J. McCord, S. Bose, T. Sullivan, Z. Loomis, E. Nozik-Grayck, T. Schroeder, K. Hamilton, and D.C. Irwin. 2013. Nrf2 Activation: A potential strategy for the prevention of Acute Mountain Sickness: Therapeutic strategy for acute mountain sickness. Free Radical Biology and Medicine. 63:264-273.

BEnEpC: Bovine Endometrial Epithelial Cells

Madej, M., C. Hansen, A. Johannisson, and A. Madej. 2013. Heparin-binding proteins from boar seminal plasma affecting the release of prostaglandins and interleukin-6 by porcine endometrial and cervical cells and bovine endometrial cells. Science Research (Natural Science), 5:21-30.

Malgorzata, M., H. Claus, J. Anders, and M. Andrzej. 2013. Heparin-binding proteins from boar seminal plasma affecting the release of prostaglandins and interleukin-6 by porcine endometrial and cervical cells and bovine endometrial cells. Natural Science. 5:21.

Sugimoto, M., S. Sasaki, Y. Gotoh, Y. Nakamura, Y. Aoyagi, T. Kawahara, and Y. Sugimoto. 2013. Genetic variants related to gap junctions and hormone secretion influence conception rates in cows. Proceedings of the National Academy of Sciences. 10.1073/pnas.1309307110

Bovine Insulin

De Dios, K., A. Manibusan, R. Marsden, and J. Pinkstaff. 2013. Comparison of bioanalytical methods for the quantitation of PEGylated human insulin. J Immunol Meth, 396:1-7.

Morales, P. 2013. Kinetics of human and bovine insulin amyloid fibril formation in the presence of solid/liquid interfaces. Missouri University of Science and Technology. Masters Thesis.

BPAEC: Bovine Pulmonary Artery Endothelial Cells

Roy, S., T. Chakraborti, A. Chowdhury, and S. Chakraborti. 2013. Role of PKC-α in NF-κB–MT1-MMP–mediated activation of proMMP- 2 by TNF-α in pulmonary artery smooth muscle cells. Journal of biochemistry. 153:289-302.

Sherwani, S., S. Pabon, R. Patel, M. Sayyid, T. Hagele, S. Kotha, U. Magalang, K. Maddipati, and N. Parinandi. 2013. Eicosanoid Signaling and Vascular Dysfunction: Methylmercury-Induced Phospholipase D Activation in Vascular Endothelial Cells. Cell biochemistry and biophysics. 67:317-329

Sliman, S., R. Patel, J. Cruff, S. Kotha, C. Newland, C. Schrader, S. Sherwani, T. Gurney, U. Magalang, and N. Parinandi. 2013. Adiponectin Protects Against Hyperoxic Lung Injury and Vascular Leak. Cell biochemistry and biophysics. 67:399-414.

Xing, J., Q. Wang, K. Coughlan, B. Viollet, C. Moriasi, and M.-H. Zou. 2013. Inhibition of AMP-Activated Protein Kinase Accentuates Lipopolysaccharide-Induced Lung Endothelial Barrier Dysfunction and Lung Injury in Vivo. Am. J. pathology. 182:1021-1030.

BPASMC: Bovine Pulmonary Artery Smooth Muscle Cells

Shaikh, S., J. Sarkar, A. Pramanik, K. Karmakar, and S. Chakraborti. 2013. Effect of m-calpain in PKCα-mediated proliferation of pulmonary artery smooth muscle cells by low dose of ouabain. IJBB. 50:419-427.

Calibrator RNA

Echchdgadda, I., C. Roth, C. Cerna, and G. Wilmink. 2013. Temporal Gene Expression Kinetics for Human Keratinocytes Exposed to Hyperthermic Stress. Cells, 2:224-243.

Chondrocyte Differentiation Medium

Imaizumi, M., Y. Nomoto, T. Sugino, K. Otsuki, and K. Omari. 2013. Implantation site-dependent differences for tracheal regeneration with induced pluripotent stem cells (iPS cells). Acta Oto-laryngologica, 133:405-411.

Imaizumi, M., Y. Nomoto, Y. Sato, T. Sugino, M. Miyake, I. Wado, T. Nakamura, and K. Omori. 2013. Evaluation of the Use of Induced Pluripotent Stem Cells (iPSCs) for the Regeneration of Tracheal Cartilage. Cell Transplantation, 22:341-353.

Chondroycyte Growth Medium

Shaik, J., J. Shaikh Mohammed, M.J. McShane, and D.K. Mills. 2013b. Chondrocyte Behavior on Micropatterns Fabricated Using Layer-by-Layer Lift-Off: Morphological Analysis. Journal of Medical Engineering. 2013

Xue, J., J. Wang, Q. Liu, and A. Luo. 2013. Tumor necrosis factor-α induces ADAMTS-4 expression in human osteoarthritis chondrocytes. Molecular medicine reports: 10.3892/mmr.2013.1729.

CnAOEC: Canine Aortic Endothelial Cells

Osterbur, K., D.-H. Yu, and A.E. DeClue. 2013. Interleukin-1β, tumour necrosis factor-α and lipopolysaccharide induce C-type natriuretic peptide from canine aortic endothelial cells. Research in Veterinary Science. 94:478-483.

Shiomitsu, K., X. Xia, K. Waite, I. Sehgal, and S. Li. 2013. Evaluation of the Aurora Kinase Inhibitor, ZM447439, in Canine Malignant Lymphoid Cells in Vitro. Open Journal of Veterinary Medicine, 3:29-38.

CnC: Canine Chondrocytes

Shaik, J., J. Shaikh Mohammed, M.J. McShane, and D.K. Mills. 2013b. Chondrocyte Behavior on Micropatterns Fabricated Using Layer-by-Layer Lift-Off: Morphological Analysis. Journal of Medical Engineering.

Shaik, J., J.S. Mohammed, M. McShane, and D. Mills. 2013a. In vitro evaluation of chondrosarcoma cells and canine chondrocytes on layer-by-layer (LbL) self-assembled multilayer nanofilms. Biofabrication. 5:015004

CnOb: Canine Osteoblasts

Couto, J. 2013. Biologic Activity of the Novel Small Molecule STAT3 Inhibitor Against Canine Osteosarcoma Cell Lines. The Ohio State University, M.Sc. dissertation.

Davis, L.E., N.E. Hofmann, G. Li, E.T. Huang, M.M. Loriaux, S. Bracha, S.C. Helfand, J.E. Mata, K. Marley, and A. Mansoor. 2013. A case study of personalized therapy for osteosarcoma. Pediatric blood & cancer. 60:1313-1319.

Milovancev, M., I. Hilgart-Martiszus, M.J. McNamara, C.P. Goodall, B. Seguin, S. Bracha, and S.I. Wickramasekara. 2013. Comparative analysis of the surface exposed proteome of two canine osteosarcoma cell lines and normal canine osteoblasts. BMC veterinary research. 9:116.

DMEM: Dulbecco Modified Eagle's Medium

Stein, J., C. Iwuchukwu, K. Maier, and V. Gahtan. 2013. Thrombospondin-1-induced smooth muscle cell chemotaxis and proliferation are dependent on transforming growth factor-β2 and hyaluronic acid synthase. Molecular and cellular biochemistry.

Zhou, S., X. Fang, H. Xin, W. Li, H. Qiu, and S. Guan. 2013. Osteoprotegerin Inhibits Calcification of Vascular Smooth Muscle Cell via Down Regulation of the Notch1-RBP-Jκ/Msx2 Signaling Pathway. PLOS OnE, DOI: 10.1371/journal.pone.0068987.

Endothelial Cell Basal Medium

Csiszar, A., D. Sosnowska, Z. Tucsek, T. Gautam, P. Toth, G. Losonczy, R.J. Colman, R. Weindruch, R.M. Anderson, W.E. Sonntag, and Z. Ungvari. 2013. Circulating factors induced by caloric restriction in the nonhuman primate Macaca mulatta activate angiogenic processes in endothelial cells. The journals of gerontology. Series A. 68:235-249.

Ishisaka, A., K. Kawabata, S. Miki, Y. Shiba, S. Minekawa, T. Nishikawa, R. Mukai, J. Terao, and Y. Kawai. 2013. Mitochondrial Dysfunction Leads to Deconjugation of Quercetin Glucuronides in Inflammatory Macrophages. PLOS One, DOI: 10.1371/journal.pone.0080843

Lin, L.Y., I.J. Liu, H.C. Chuang, H.Y. Lin, and K.J. Chuang. 2013. Size and composition effects of household particles on inflammation and endothelial dysfunction of human coronary artery endothelial cells. Atmospheric Environment. 77:490-495.

Takai, J., A. Santu, H. Zheng, S.D. Koh, M. Ohta, L.M. Filimban, V. Lemaître, R. Teraoka, H. Jo, and H. Miura. 2013. Laminar shear stress upregulates endothelial Ca2+-activated K+ channels KCa2.3 and KCa3.1 via a Ca2+/calmodulin-dependent protein kinase kinase/Akt/p300 cascade. American J. of Physiology -Heart and Circulatory Physiology. 305:H484-H493.

Endothelial Cell Growth Medium

Heaton, A., N. Kumar, and C. Walker. 2013. Oxazinyl isoflavonoid compounds, medicaments and use. Patent US 8367659 B2.

Kawanami, D., K. Matoba, R. Okada, M. Tsukamoto, J. Kinoshita, S. Ishizawa, Y. Kanazawa, T. Yokota, and K. Utsunomiya. 2013. Fasudil inhibits ER stress-induced VCAM-1 expression by modulating unfolded protein response in endothelial cells. BBRC, 435:171-175.

Lin, L.Y., I.J. Liu, H.C. Chuang, H.Y. Lin, and K.J. Chuang. 2013. Size and composition effects of household particles on inflammation and endothelial dysfunction of human coronary artery endothelial cells. Atmospheric Environment. 77:490-495.

Hazarika, S., C. Farber, A. Dokun, A. Pitsillides, T. Wang, R. Lye, and B. Annex. 2013. MicroRNA-93 Controls Perfusion Recovery After Hindlimb Ischemia by Modulating Expression of Multiple Genes in the Cell Cycle Pathway. Circulation, 127:1818-1828.

Nakayama, K. 2013a. cAMP-response Element-binding Protein (CREB) and NF-κB Transcription Factors Are Activated during Prolonged Hypoxia and Cooperatively Regulate the Induction of Matrix Metalloproteinase MMP1. Journal of Biological Chemistry. 288:22584-22595.

Nakayama, K. 2013b. CREB and NF-κB are activated during prolonged hypoxia and cooperatively regulate the induction of matrix metalloproteinase MMP1. Journal of Biological Chemistry. 288:22584-22589.

Negishi, Y., N. Hamano, Y. Tsunoda, Y. Oda, B. Choijamts, Y. Endo-Takahashi, D. Omata, R. Suzuki, K. Maruyama, M. Nomizu, M. Emoto, and Y. Aramaki. 2013. AG73-modified Bubble liposomes for targeted ultrasound imaging of tumor

Negishi, Y., Y. Tsunoda, N. Hamano, D. Omata, Y. Endo-Takahashi, R. Suzuki, K. Maruyama, M. Nomizu, and Y Aramaki. 2013. Ultrasound-mediated gene delivery systems by AG73-modified bubble liposomes. 100:402-407.

Takizawa, Y., Y. Kosuge, H. Awaji, E. Tamura, A. Takai, T. Yanai, R. Yamamoto, K. Kokame, T. Miyata, and R. Nakata. 2013. Up- regulation of endothelial nitric oxide synthase (eNOS), silent mating type information regulation 2 homologue 1 (SIRT1) and autophagy-related genes by repeated treatments with resveratrol in human umbilical vein endothelial cells. The British journal of nutrition:1-6.

Tucsek, Z., T. Gautam, W. Sonntag, P. Toth, H. Saito, R. Salomao, C. Szabo, A. Csiszar, and Z. Ungvari. 2013. Aging Exacerbates Microvascular Endothelial Damage Induced by Circulating Factors Present in the Serum of Septic Patients. The Journals of Gerontology, 68:652-660.

Vargas-Pinto, R., H. Gong, A. Vahabikashi, and M. Johnson. 2013. The Effect of the Endothelial Cell Cortex on Atomic Force Microscopy Measurements 3. Biophysical Journal. 105:300-309.

Wesley, U., R. Vemuganti, E. Ayvaci, and R. Dempsey. 2013. Galectin-3 enhances angiogenic and migratory potential of microglial cells via modulation of integrin linked kinase signaling. Brain Research, 1496:1-9.

Whitsett, J., A. Rangel Filho, S. Sethumadhavan, J. Celinska, M. Widlansky, and J. Vasquez-Vivar. 2013. Human endothelial dihydrofolate reductase low activity limits vascular tetrahydrobiopterin recycling. Free Radical Biology and Medicine. 63:143-150.

Yang, P., T. Hong, Y. Chen, A. Yuan, and Y. Wu. 2013. Composition for treating cancer and use thereof. Patent US 8450283 B2.

FBS: Fetal Bovine Serum

Zhou, S., X. Fang, H. Xin, W. Li, H. Qiu, and S. Guan. 2013. Osteoprotegerin Inhibits Calcification of Vascular Smooth Muscle Cell via Down Regulation of the Notch1-RBP-Jκ/Msx2 Signaling Pathway. PLOS OnE, DOI: 10.1371/journal.pone.0068987.

Fibroblast Growth Medium

Eilersten, K., R. Power, and J. Rim. 2013. Reprogramming a cell by inducing a pluripotent gene through RNA interference. Patent US 8357666 B2.

HA: Human Astrocytes

Li, G., C. Warden, Z. Zou, J. Neman, J. Krueger, A. Jain, R. Jandial, and M. Chen. Altered Expression of Polycomb Group Genes in Glioblastoma Multiforme. PLoS ONE, DOI: 10.1371/journal.pone.0080970.

Liu, M., J.N. Ingle, B.L. Fridley, A.U. Buzdar, M.E. Robson, M. Kubo, L. Wang, A. Batzler, G.D. Jenkins, T.L. Pietrzak, E.E. Carlson, M.P. Goetz, D.W. Northfelt, E.A. Perez, C.V. Williard, D.J. Schaid, Y. Nakamura, and R.M. Weinshilboum. 2013. TSPYL5 SNPs: Association with Plasma Estradiol Concentrations and Aromatase Expression. Mol. endocrinology. 27:657-670.

HAd: Human Adipocytes

Kim, K., H.-I. Ji, and H.-I. Yang. 2013a. Taurine May Not Alleviate Hyperglycemia-Mediated Endoplasmic Reticulum Stress in Human Adipocytes. In Taurine 8. Vol. 775. A. El Idrissi and W.J. L'Amoreaux, editors. Springer New York. 395-403.

Kim, K.S., H.I. Ji, H. Chung, C. Kim, S.H. Lee, Y.A. Lee, H.I. Yang, M.C. Yoo, and S.J. Hong. 2013c. Taurine chloramine modulates the expression of adipokines through inhibition of the STAT-3 signaling pathway in differentiated human adipocytes. Amino acids. 45:1415-1422.

Muise, E.S., S. Souza, A. Chi, Y. Tan, X. Zhao, F. Liu, Q. Dallas-yang, M. Wu, T. Sarr, L. Zhu, H. Guo, Z. Li, W. Li, W. Hu, G. Jiang, C.P. Paweletz, R.C. Hendrickson, J.R. Thompson, J. Mu, J.P. Berger, and H. Mehmet. 2013. Downstream Signaling Pathways in Mouse Adipose Tissues Following Acute In Vivo Administration of Fibroblast Growth Factor 21. PloS one. 8:e73011.

HAOEC: Human Aortic Endothelial Cells

Deshpande, D., D. Janero, and M. Amiji. 2013. Engineering of an ω-3 polyunsaturated fatty acid-containing nanoemulsion 2 system for combination C6-ceramide and 17β-estradiol delivery and 3 bioactivity in human vascular endothelial and smooth muscle cells. Nanomedicine: Nanotechnology, Biology, and Medicine, NANO-00733.

Heaton, A., N. Kumar, and C. Walker. 2013. Oxazinyl isoflavonoid compounds, medicaments and use. Patent US 8367659 B2.

Kakade, S., and G. Mani. 2013. A comparative study of the effects of vitamin C, sirolimus, and paclitaxel on the growth of endothelial and smooth muscle cells for cardiovascular medical device applications. Drug design, development and therapy. 7:529.

Lamichhane, S., S. Lancaster, E. Thiruppathi, and G. Mani. 2013. Interaction of Endothelial and Smooth Muscle Cells with Cobalt– Chromium Alloy Surfaces Coated with Paclitaxel Deposited Self-Assembled Monolayers. Langmuir. 29:14254-14264.

Lee, C.-M., J.-A. Gu, T.-G. Rau, C.-H. Yang, W.-C. Yang, S.-H. Huang, F.-Y. Lin, C.-M. Lin, and S.-T. Huang. 2013. Low-Cytotoxic Synthetic Bromorutaecarpine Exhibits Anti-Inflammation and Activation of Transient Receptor Potential Vanilloid Type 1 Activities. BioMed Research International. 2013:Article ID 795095.

Morita, M., S. Yano, T. Yamaguchi, and T. Sugimoto. 2013. Advanced glycation end products-induced reactive oxygen species generation is partly through NF-kappa B activation in human aortic endothelial cells. Journal of Diabetes and its Complications. 27:11-15.

Saleh, S.M., R.S. Parhar, R.S. Al-Hejailan, R.H. Bakheet, H.S. Khaleel, H.G. Khalak, A.S. Halees, M.Z. Zaidi, B.F. Meyer, and G.P. Yung. 2013. Identification of the Tetraspanin CD82 as a New Barrier to Xenotransplantation. The Journal of Immunology. 191:2796-2805.

Scott, D.W., M.O. Vallejo, and R.P. Patel. 2013. Heterogenic endothelial responses to inflammation: role for differential N- glycosylation and vascular bed of origin. Journal of the American Heart Association. 2:e000263-e000263.

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Vedantham, S., D. Thiagarajan, R. Ananthakrishnan, L. Wang, R. Rosario, Y.S. Zou, I. Goldberg, S.F. Yan, A.M. Schmidt, and R. Ramasamy. 2013. Aldose Reductase drives hyperacetylation of Egr-1 in hyperglycemia and consequent upregulation of proinflammatory and prothrombotic signals. Diabetes:db13-0032.

Wang, H.-J., W.-Y. Lo, and L.-J. Lin. 2013. Angiotensin-(1–7) decreases glycated albumin-induced endothelial interleukin-6 expression via modulation of miR-146a. Biochemical and biophysical research communications. 430:1157-1163.

Wu, Z., G. Zhao, L. Peng, J. Du, S. Wang, Y. Huang, J. Ou, and Z. Jian. 2013. Protein Kinase C beta Mediates CD40 Ligand-Induced Adhesion of Monocytes to Endothelial Cells. PloS one. 8:e72593.

HAOSMC: Human Aortic Smooth Muscle Cells

Almontashiri, N.A.M., M. Fan, B.L.M. Cheng, H.-H. Chen, R. Roberts, and A.F.R. Stewart. 2013. Interferon-γ Activates Expression of p15 and p16 Regardless of 9p21.3 Coronary Artery Disease Risk Genotype. Journal of the American College of Cardiology. 61:143- 147.

Baykal, A., B. Baykal, M. Serhatli, Z. Adiguzel, M. Tuncer, O. Kacar, K. Baysal, and C. Ayhan. 2013. Proteomic evidence for the plasticity of cultured vascular smooth muscle cells. Turkish J Biol, 37:414-425.

Hirase, T., H. Hara, Y. Miyazaki, N. Ide, A. Nishimoto-Hazuku, H. Fujimoto, C.J. Saris, H. Yoshida, and K. Node. 2013. Interleukin 27 inhibits atherosclerosis via immunoregulation of macrophages in mice. American Journal of Physiology-Heart and Circulatory Physiology. 305:H420-429.

Kakade, S., and G. Mani. 2013. A comparative study of the effects of vitamin C, sirolimus, and paclitaxel on the growth of endothelial and smooth muscle cells for cardiovascular medical device applications. Drug design, development and therapy. 7:529.

Lamichhane, S., S. Lancaster, E. Thiruppathi, and G. Mani. 2013. Interaction of Endothelial and Smooth Muscle Cells with Cobalt– Chromium Alloy Surfaces Coated with Paclitaxel Deposited Self-Assembled Monolayers. Langmuir. 29:14254-14264.

Phillippi, J.A., B.R. Green, M.A. Eskay, M.P. Kotlarczyk, M.R. Hill, A.M. Robertson, S.C. Watkins, D.A. Vorp, and T.G. Gleason. 2013. Mechanism of aortic medial matrix remodeling is distinct in patients with bicuspid aortic valve. The Journal of thoracic and cardiovascular surgery: doi: 10.1016/j.jtcvs.2013.1004.1028.

HBcAEC: Human Brachiocephalic Artery Endothelial Cells

Scott, D.W., M.O. Vallejo, and R.P. Patel. 2013. Heterogenic endothelial responses to inflammation: role for differential N- glycosylation and vascular bed of origin. Journal of the American Heart Association. 2:e000263-e000263.

HC: Human Chondrocytes

Tsumaki, N. 2013. Chondrocyte-like cell, and method for producing same. Patent Application.US 20130287695 A1

HC-OA: Human Chondrocytes-Osteoarthritis

Xue, J., J. Wang, Q. Liu, and A. Luo. 2013. Tumor necrosis factor-α induces ADAMTS-4 expression in human osteoarthritis chondrocytes. Molecular medicine reports: 10.3892/mmr.2013.1729.

HCAEC: Human Coronary Artery Endothelial Cells

Baotic, I., Z.D. Ge, F. Sedlic, A. Coon, D. Weihrauch, D.C. Warltier, and J.R. Kersten. 2013. Apolipoprotein A-1 mimetic D-4F enhances isoflurane-induced eNOS signaling and cardioprotection during acute hyperglycemia. Am J Phys Heart Circ. 305:H219-227.

Cho, Y.-E., A. Basu, A. Dai, M. Heldak, and A. Makino. 2013. Coronary endothelial dysfunction and mitochondrial reactive oxygen species in type 2 diabetic mice. Am J Physiol Cell Physiol. 305:C1033-1040.

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dela Paz, N.G., B. Melchior, and J.A. Frangos. 2013. Early VEGFR2 activation in response to flow is VEGF-dependent and mediated by MMP activity. Biochemical and biophysical research communications. 434:641-646.

Eppihimer, M.J., N. Sushkova, J.L. Grimsby, N. Efimova, W. Kai, S. Larson, B. Forsyth, B.A. Huibregtse, K.D. Dawkins, and G.J. Wilson. 2013. Impact of Stent Surface on Thrombogenicity and Vascular Healing A Comparative Analysis of Metallic and Polymeric Surfaces. Circulation: Cardiovascular Interventions. 6:370-377.

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Lin, L.Y., I.J. Liu, H.C. Chuang, H.Y. Lin, and K.J. Chuang. 2013. Size and composition effects of household particles on inflammation and endothelial dysfunction of human coronary artery endothelial cells. Atmospheric Environment. 77:490-495.

Liu, S.-J., W.-H. Liu, Y. Zhong, and S.-M. Liu. 2013. Glycogen synthase kinase-3β is involved in C-reactive protein-induced endothelial cell activation. Biochemistry (Moscow). 78:915-919.

Lloyd, M.M., M.A. Grima, B.S. Rayner, K.A. Hadfield, M.J. Davies, and C.L. Hawkins. 2013. Comparative reactivity of the myeloperoxidase-derived oxidants hypochlorous acid and hypothiocyanous acid with human coronary artery endothelial cells. Free Radical Biology and Medicine. 65:1352-1362.

Murphy, A.J., A. Hoang, A. Aprico, D. Sviridov, and J. Chin-Dusting. 2013. Anti-Inflammatory Functions of Apolipoprotein A-I and High-Density Lipoprotein Are Preserved in Trimeric Apolipoprotein A-I. J. Pharmacol. & Exp. Therapeutics. 344:41-49.

Nsimba, M.M., C. Yamamoto, J.N. Lami, Y. Hayakawa, and T. Kaji. 2013. Effect of a Congolese herbal medicine used in sickle cell anemia on the expression of plasminogen activators in human coronary aortic endothelial cells culture. Journal of ethnopharmacology. 146:594-599.

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HFDPC: Hair Follicle Dermal Papilla Cells

Watabe, Y., M. Tomioka, A. Watabe, M. Aihara, S. Shimba, and H. Inoue. 2013. The clock gene brain and muscle Arnt-like protein-1 (BMAL1) is involved in hair growth. Archives of dermatological research. 305:755-761.

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HFLS: Human Fibroblast-Like Synoviocytes

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HLF: Human Lung Fibroblasts

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HSkMC: Human Skeletal Muscle Cells

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HUVEC: Human Umbilical Vein Endothelial Cells

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HUVSMC: Human Umbilical Vein Smooth Muscle Cells

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HVSMC: Human Vascular Smooth Muscle Cells

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IGFBP-3 ELISA Kit

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Mammary Epithelial Cell Growth Medium

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MesoEndo Cell Growth Medium

Csiszar, A., D. Sosnowska, Z. Tucsek, T. Gautam, P. Toth, G. Losonczy, R.J. Colman, R. Weindruch, R.M. Anderson, W.E. Sonntag, and Z. Ungvari. 2013. Circulating factors induced by caloric restriction in the nonhuman primate Macaca mulatta activate angiogenic processes in endothelial cells. The journals of gerontology. Series A. 68:235-249.

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Osteoblast Growth Medium

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PAOEC: Porcine Aortic Endothelial Cells

Saleh, S.M., R.S. Parhar, R.S. Al-Hejailan, R.H. Bakheet, H.S. Khaleel, H.G. Khalak, A.S. Halees, M.Z. Zaidi, B.F. Meyer, and G.P. Yung. 2013. Identification of the Tetraspanin CD82 as a New Barrier to Xenotransplantation. The Journal of Immunology. 191:2796-2805.

PPAEC: Porcine Pulmonary Artery Endothelial Cells

Xiong, Y., W. Chan, A. Chua, J. Feng, P. Gopal, Y. Ong, and C. Song. 2013. Decellularized Porcine Saphenous Artery for Small-Diameter Tissue-Engineered Conduit Graft. Artificial Organs, 37:E74-E87.

RA: Rat Astrocytes

Liu, S., G. Zhen, R. Li, and S. Dore. 2013. Acute bioenergetic intervention or pharmacological preconditioning protects neuron against ischemic injury. J Exp Stroke Transl Med, 2:7-17.

RAOSMC: Rat Aortic Smooth Muscle Cells

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