

## Product References

### Clonetics® Skeletal Cells

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#### General/Multiple Skeletal Cell Types

1. Roomi MW, Monterrey JC, Kalinovsky T, Rath M, Niedzwiecki A. Distinct patterns of matrix metalloproteinase-2 and -9 expression in normal human cell lines. *Oncol Rep.* 2009 Mar; 21(3):821-6.

#### NHOst<sup>+</sup>

1. Akter R, Rivas D, Geneau G, Drissi H, Duque G: Effect of lamin A/C knockdown on osteoblast differentiation and function. *J Bone Miner Res.* 2009 Feb; 24(2):283-93.
2. Ashjian P, Elbarbary A, Zuk P, DeUgarte DA, Benhaim P, Marcu L, Hedrick MH. Noninvasive in situ evaluation of osteogenic differentiation by- time-resolved laser-induced fluorescence spectroscopy. *Tissue Engineer.* 2004; 10(3/4): 411-20.
3. Baribault H, Danao J, Gupte J, Yang L, Sun B, Richards W, Tian H. The G-protein-coupled receptor GPR103 regulates bone formation. *Mol Cell Biol.* 2006 Jan;26(2):709-17.
4. Battistoni C, Casaletto MP, Ingo GM, Kaciulis S, Mattogno G, Pandolfi L. Surface characterization of biocompatible hydroxyapatite coatings. *Surface Interface Analy.* 2000 Nov; 29(11): 773-81.
5. Baumert U, Golan I, Becker B, Hrala BP, Redlich M, Roos HA, Palmon A, Reichenberg E, Müßig D. Pressure simulation of orthodontic force in Osteoblasts: a pilot study. *Clinic Orthodont and Res.* 2004; 7(1): 3-9.
6. Berner HS, Lyngstadaas SP, Spahr A, Monjo M, Thommesen L, Drevon CA, Syversen U, Reseland JE. Adiponectin and its receptors are expressed in bone-forming cells. *Elsev.* 2004: 1-8.
7. Bhatt KA, Chang EI, Warren SM, Lin SE, Bastidas N, Ghali S, Thibboneir A, Capla JM, McCarthy JG, Gurtner GC. Uniaxial mechanical strain: an in vitro correlate to distraction osteogenesis. *J Surg Res.* 2007 Dec;143(2):329-36.
8. Bruedigam C, Koedam M, Chiba H, Eijken M, van Leeuwen JP. Evidence for multiple peroxisome proliferator-activated receptor gamma transcripts in bone: fine-tuning by hormonal regulation and mRNA stability. *FEBS Lett.* 2008 May 14;582(11):1618-24.
9. Cvoro A, Tzagarakis-Foster C, Tatomer D, Paruthiyil S, Fox MS, Leitman DC. Distinct roles of unliganded and liganded estrogen receptors in transcriptional repression. *Mol Cell.* 2006 Feb 17;21(4):555-64.
10. Denmeade SR, Jakobsen CM, Janssen S, Khan SR, Garrett ES, Lilja H, Christensen SB, Isaacs JT. Prostate-specific antigen-activated thapsigargin prodrug as targeted therapy for prostate cancer. *J Natl Cancer Instit.* 2003; 95(13): 990-1000.
11. Deshpande AM, Akunowicz JD, Reveles XT, Patel BB, Saria EA, Gorlick RG, Naylor SL, Leach RJ, Hansen MF. PHC3, a component of the hPRC-H complex, associates with E2F6 during G0 and is lost in osteosarcoma tumors. *Oncogene.* 2007 Mar 15; 26(12):1714-22.
12. Eijken M, Swagemakers S, Koedam M, Steenbergen C, Derckx P, Uitterlinden AG, van der Spek PJ, Visser JA, de Jong FH, Pols HA, van Leeuwen JP. The activin A-follistatin system: potent regulator of human extracellular matrix mineralization. *FASEB J.* 2007 Sep;21(11):2949-60.
13. Elbaz A, Wu X, Rivas D, Gimble JM, Duque G: Inhibition of Fatty Acid Biosynthesis Prevents Adipocyte Lipotoxicity on Human

- Osteoblasts In Vitro. *J Cell Mol Med.* 2009 Mar 27.
14. Ellington JK, Harris M, Hudson MC, Vishin S, Webb LX, Sherertz R. Intracellular *Staphylococcus aureus* and antibiotic resistance: implications for treatment of staphylococcal osteomyelitis. *J Orthop Res.* 2006 Jan; 24(1):87-93.
  15. Forbes K, Webb MA, Sehgal I. Growth factor regulation of secreted matrix metalloproteinase and plasminogen activators in prostate cancer cells, normal prostate fibroblasts and normal osteoblasts. *Prostat Can Prostat Dis.* 2003; 6(2): 148-53.
  16. Gillette JM, Gibbs CP, Nielsen-Preiss SM. Establishment and characterization of OS 99-1, a cell line derived from a highly aggressive primary human osteosarcoma. *In Vitro Cell Dev Biol Anim.* 2008 Mar-Apr;44(3-4):87-95.
  17. Goto T, Matsui Y, Fernandes RJ, Hanson DA, Kubo T, Yukata K, Michigami T, Komori T, Fujita T, Yang L, Eyre DR, Yasui N. Sp1 family of transcription factors regulates the human alpha2 (X1) collagen gene (COL11A2) in Saos-2 osteoblastic cells. *J Bone Miner Res.* 2006 May;21(5):661-73.
  18. Grasser WA, Orlic I, Borovecki F, Riccardi KA, Simic P, Vukicevic S, Paralkar VM. BMP-6 exerts its osteoinductive effect through activation of IGF-I and EGF pathways. *Int Orthop.* 2007 Dec;31(6):759-65.
  19. Gustafsson BI, Thommesen L, Stunes AK, Tommeras K, Westbroek I, Waldum HL, Slørdahl K, Tamburstuen MV, Reseland JE, Syversen U. Serotonin and fluoxetine modulate bone cell function in vitro. *J Cell Biochem.* 2006 May 1;98(1):139-51.
  20. Huang G, Mills L, Worth LL. Expression of human glutathione S-transferase P1 mediates the chemosensitivity of osteosarcoma cells. *Mol Cancer Ther.* 2007 May;6(5):1610-9.
  21. Ito S, Matsumoto T, Enomoto H, Shindo H. Histological analysis and biological effects of granulation tissue around looe prostheses in the development of osteolysis. *J Orthopaed Sci.* 2004 Sep; 9(5): 478-87.
  22. Iwamoto I, Fujino T, Douchi T. The leptin receptor in human Osteoblasts and the direct effect of leptin on bone metabolism. *Gynecol Endocrinol.* 2004 Aug; 19(2): 97-104.
  23. Jamieson WL, Shimizu S, D'Ambrosio JA, Meucci O, Fatatis A. CX3CR1 is expressed by prostate epithelial cells and androgens regulate the levels of CX3CL1/fractalkine in the bone marrow: potential role in prostate cancer bone tropism. *Cancer Res.* 2008 Mar 15;68(6):1715-22.
  24. Kärner E, Unger C, Sloan AJ, Ahrlund-Richter L, Sugars RV, Wendel M. Bone matrix formation in osteogenic cultures derived from human embryonic stem cells in vitro. *Stem Cells Dev.* 2007 Feb;16(1):39-52.
  25. Katono T, Kawato T, Tanabe N, Suzuki N, Iida T, Morozumi A, Ochiai K, Maeno M. Sodium butyrate stimulates mineralized nodule formation and osteoprotegerin expression by human osteoblasts. *Arch Oral Biol.* 2008 Oct;53(10):903-9.
  26. Kishiya M, Sawada T, Kanemaru K, Kudo H, Numasawa T, Yokoyama T, Tanaka S, Motomura S, Ueyama K, Harata S, Toh S, Furukawa K. A functional RNAi screen for Runx2-regulated genes associated with ectopic bone formation in human spinal ligaments. *J Pharmacol Sci.* 2008 Mar;106(3):404-14.
  27. Kusumi A, Sakaki H, Kusumi T, Oda M, Narita K, Nakagawa H, Kubota K, Satoh H, Kimura H. Regulation of synthesis of osteoprotegerin and soluble receptor activator of nuclear factor- $\kappa$ B ligand in normal human Osteoblasts via the p38 mitogen-activated protein kinase pathway by the application of cyclic tensile strain. *J Bone Mineral Metabol.* 2005 Sep; 23(5): 373-81.
  28. Lohmann CH, Tandy EM, Sylvia VL, Hell-Vocke AK, Cochran DL, Dean DD, Boyan BD, Schwartz Z. Response of normal female human Osteoblasts (NH0st) to 17 $\beta$ -estradiol is modulated by implant surface morphology. *J Biomed Materials Res.* 2002; 62(2): 204-13.
  29. Matsumoto T, Kawamoto A, Kuroda R, Ishikawa M, Mifune Y, Iwasaki H, Miwa M, Horii M, Hayashi S, Oyamada A, Nishimura H, Murasawa S, Doita M, Kurosaka M, Asahara T. Therapeutic potential of vasculogenesis and osteogenesis promoted by peripheral blood CD34-positive cells for functional bone healing. *Am J Pathol.* 2006 Oct;169(4):1440-57.
  30. Mifune Y, Matsumoto T, Kawamoto A, Kuroda R, Shoji T, Iwasaki H, Kwon SM,

- Miwa M, Kurosaka M, Asahara T. Local Delivery of Granulocyte Colony Stimulating Factor-Mobilized CD34-Positive Progenitor Cells Using Bioscaffold for Modality of Unhealing Bone Fracture. *Stem Cells*. 2008 Apr 3. [Epub ahead of print]
31. Milgram S, Carrière M, Thiebault C, Malaval L, Gouget B. Cytotoxic and phenotypic effects of uranium and lead on osteoblastic cells are highly dependent on metal speciation. *Toxicology*. 2008 Aug 19;250(1):62-9.
32. Miwa S, Mizokami A, Keller ET, Taichman R, Xhang J, Namiki M. The bisphosphonate YM529 inhibits osteolytic and osteoblastic changes and CXCR-4-induced invasion in prostate cancer. *Canc Res*. 2005 Oct; 65: 8818-25.
33. Molloy AP, Martin FT, Dwyer RM, Griffin TP, Murphy M, Barry FP, O'Brien T, Kerin MJ: Mesenchymal stem cell secretion of chemokines during differentiation into osteoblasts, and their potential role in mediating interactions with breast cancer cells. *Int J Cancer*. 2009 Jan 15;124(2):326-32.
34. Montjovent M-O, Burri N, Mark S, Federici, Scaletta C, Zambelli P-Y, Hohlfeld P, Layvraz P-F, Applegate LL, Pioletti DP. Fetal bone cells for tissue engineering. *Elsev*. 2004; 35: 1323-33.
35. Morimura T, Tsunekawa K, Kasahara T, Seki K, Ogiwara T, Masatomo M, Murakami M. Expression of type 2 iodothyronine deiodinase in human osteoblast is stimulated by thyrotropin. *Endocrin*. 2005: 1-33.
36. Naka N, Araki N, Nakanishi H, Itoh K, Mano M, Ishiguro S, de Bruijn RH, Myoui A, Ueda T, Yoshikawa H. Expression of SSX genes in osteosarcomas. *Int J Canc*. 2002; 98(4): 640-2.
- Nakamura Y, Slaby I, Spahr A, Pezeshki G, Matsumoto K, Lyngstadaas SP: Ameloblastin fusion protein enhances pulpal healing and dentin formation in porcine teeth. *Calcif Tissue Int*. 2006 May; 78(5):278-84.
37. Pearsall RS, Canalis E, Cornwall-Brady M, Underwood KW, Haigis B, Ucran J, Kumar R, Pobre E, Grinberg A, Werner ED, Glatt V, Stadmeier L, Smith D, Seehra J, Bouxsein ML. A soluble activin type IIA receptor induces bone formation and improves skeletal integrity. *Proc Natl Acad Sci U S A*. 2008 May 13;105(19):7082-7.
38. Penttinen C, Saharinen J, Weikkolainen K, Hyytiäinen M, Keski-Oja J. Secretion of human latent TGF- $\beta$ -binding protein-3 (LTBP-3) is dependent on co-expression of TGB- $\beta$ . *J Cell Sci*. 2002; 115; 3457-68.
39. Pinski J, Weeraratna A, Uzgare JT, Denmeade SR, Isaacs JT. Trk receptor inhibition induces apoptosis of proliferating but not quiescent human osteoblasts. *Canc Res*. 2002 Feb 15; 62: 986-9.
40. Reseland JE, Reppe S, Larsen AM, Berner HS, Reinholt FP, Gautvik KM, Slaby I, Lyngstadaas SP. The effect of enamel matrix derivative on gene expression in osteoblasts. *Eur J Oral Sci*. 2006 May;114 Suppl 1:205-11.
41. Sakai Y, Patterson TE, Ibiwoye MO, Midura RJ, Zborowski M, Grabiner MD, Wolfman A. Exposure of mouse preosteoblasts to pulsed electromagnetic fields reduces the amount of mature, type I collagen in the extracellular matrix. *J Orthop Res*. 2006 Feb;24(2):242-53.
42. Salasznyk RM, Williams AW, Boskey A, Batorsky A, Plopper GE. Adhesion to vitronectin and collagen I promotes osteogenic differentiation of human mesenchymal stem cells. *J Biomed Biotech*. 2004; 1: 24-34.
43. Sawa Y, Phillips A, Hollard J, Yoshida S, Braithwaite MW. The in vitro life-span of human periodontal ligament fibroblasts. *Tissue Cell*. 2000 Apr;32(2):163-70.
44. Stanley KT, VanDort C, Motyl C, Endres J, Fox DA. Immunocompetent properties of human osteoblasts: interactions with T lymphocytes. *J Bone Miner Res*. 2006 Jan; 21(1):29-36.
45. Stevens MM, Mayer M, Anderson DG, Weibel DB, Whitesides GM, Langer R. Direct patterning of mammalian cells onto porous tissue engineering substrates using agarose stamps. *Biomater*. 2005; 26(36): 7636-41.
46. Sun L, Peng Y, Sharrow AC, Iqbal J, Zhang Z, Papachristou DJ, Zaidi S, Zhu LL, Yaroslavskiy BB, Zhou H, Zallone A, Sairam MR, Kumar TR, Bo W, Braun J, Cardoso-Landa L, Schaffler MB, Moonga BS, Blair HC, Zaidi M. FSH directly regulates bone mass. *Cell*. 2006 Apr 21;125(2):247-60.

47. Svensson J, Andersson C, Reseland JE, Lyngstadaas P, Bülow L. Histidine tag fusion increases expression levels of active recombinant amelogenin in *Escherichia coli*. *Protein Expr Purif*. 2006 Jul;48(1):134-41.
48. Thommesen L, Stunes AK, Monjo M, Grøsvik K, Tamburstuen MV, Kjølbi E, Lyngstadaas SP, Reseland JE, Syversen U. Expression and regulation of resistin in osteoblasts and osteoclasts indicate a role in bone metabolism. *J Cell Biochem*. 2006 Oct 15; 99(3):824-34.
49. Van Sant C, Wang G, Anderson MG, Trask OJ, Lesniewski R, Semizarov D. Endothelin signaling in osteoblasts: global genome view and implication of the calcineurin/NFAT pathway. *Mol Cancer Ther*. 2007 Jan; 6(1):253-61.
50. Winkler DG, Sutherland MK, Geoghegan JC, Yu C, Hayes T, Skonier JE, Shpektor D, Jonas M, Kovacevich BR, Staehling-Hampton K, Appleby M, Brunkow ME, Latham JA. Osteocytes control of bone formation via sclerostin, a novel BMP antagonist. *EMBO J*. 2003; 22(23): 6267-76.
51. Zhang P, Yang Y, Zweidler-McKay PA, Hughes DP. Critical role of notch signaling in osteosarcoma invasion and metastasis. *Clin Cancer Res*. 2008 May 15;14(10):2962-9.
52. Zuk PA, Zhu M, Ashjian P, De Ugarte DA, Huang JI, Mizuno H, Alfonso ZC, Fraser JK, Benhaim P, Hedrick MH. Human adipose tissue is a source of multipotent stem cells. *Mol Biol Cell*. 2002 Dec; 13: 4279-95.
4. Ahmad R, Sylvester J, Zafarullah M. MyD88, IRAK1 and TRAF6 knockdown in human chondrocytes inhibits interleukin-1-induced matrix metalloproteinase-13 gene expression and promoter activity by impairing MAP kinase activation. *Cell Signal*. 2007 Dec;19(12):2549-57.
5. Akagi M, Kanata S, Mori S, Itabe H, Sawamura T, Hamanishi C. Possible involvement of the oxidized low-density lipoprotein/lectin-like oxidized low-density lipoprotein receptor-1 system in pathogenesis and progression of human osteoarthritis. *Osteoarthritis Cartilage*. 2007 Mar;15(3):281-90.
6. Akagi M, Ueda A, Teramura T, Kanata S, Sawamura T, Hamanishi C: Oxidized LDL binding to LOX-1 enhances MCP-1 expression in cultured human articular chondrocytes. *Osteoarthritis Cartilage*. 2009 Feb;17(2):271-5.
7. Baek HS, Park YH, Ki CS, Park JC, Rah DK. Enhanced chondrogenic responses of articular chondrocytes onto porous silk fibroin scaffolds treated with microwave-induced argon plasma. *Surface and Coatings Technology*. 2008 Aug; 202 (22-23): 5794-5797.
8. Banu N, Tsuchiya T. Markedly different effects of hyaluronic acid and chondroitin sulfate-A on the differentiation of human articular chondrocytes in micromass and 3-D honeycomb rotation cultures. *J Biomed Mater Res A*. 2007 Feb;80(2):257-67.
9. Behera AK, Durand E, Cugini C, Antonara S, Bourassa L, Hildebrand E, Hu LT, Coburn J. Borrelia burgdorferi BBB07 interaction with integrin alpha3beta1 stimulates production of pro-inflammatory mediators in primary human chondrocytes. *Cell Microbiol*. 2008 Feb;10(2):320-31.
10. Chosa E, Hamada H, Kitamura K, Kuwasako K, Yanagita T, Eto T, Tajima N. Expression of adrenomedullin and its receptor by chondrocyte phenotype cells. *Biochem Biophys Res Commun*. 2003 Mar 28;303(1):379-86.
11. Doolin EJ, Strande LF, Sheng X, Hewitt CW. Engineering a composite neotrachea with surgical adhesives. *J Pediatr Surg*. 2002 Jul;37(7):1034-7
12. Gillette JM, Gibbs CP, Nielsen-Preiss SM. Establishment and characterization of OS 99-1, a cell line derived from a highly aggressive primary human osteosarcoma. In

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1. Ahmad R, El Mabrouk M, Sylvester J, Zafarullah M. Human osteoarthritic chondrocytes are impaired in matrix metalloproteinase-13 inhibition by IFN-gamma due to reduced IFN-gamma receptor levels. *Osteoarthritis Cartilage*. 2009 Aug;17(8):1049-55.
2. Ahmad R, Qureshi HY, El Mabrouk M, Sylvester J, Ahmad M, Zafarullah M. Inhibition of interleukin 1-induced matrix metalloproteinase 13 expression in human chondrocytes by interferon gamma. *Ann Rheum Dis*. 2007 Jun;66(6):782-9.
3. Ahmad R, Sylvester J, Ahmad M, Zafarullah M. Adaptor proteins and Ras synergistically regulate IL-1-induced ADAMTS-4 expression in human chondrocytes. *J Immunol*. 2009 Apr 15;182(8):5081-7.

- Vitro Cell Dev Biol Anim. 2008 Mar-Apr;44(3-4):87-95.
13. Jin SC, Baek HS, Woo YI, Lee MH, Kim JS, Park JC, Park YH, Rah DK, Chung KH, Lee SJ, Han IH. Beneficial Effects of Microwave-Induced Argon Plasma Treatment on Cellular Behaviors of Articular Chondrocytes Onto Nanofibrous Silk Fibroin Mesh. *Macromolecular Research*, 17(9), pp.703-708.
  14. Ko CS, Huang JP, Huang CW, Chu IM. Type II collagen-chondroitin sulfate-hyaluronan scaffold cross-linked by genipin for cartilage tissue engineering. *J Biosci Bioeng*. 2009 Feb;107(2):177-82.
  15. Kou I, Nakajima M, Ikegawa S. Expression and regulation of the osteoarthritis-associated protein asporin. *J Biol Chem*. 2007 Nov 2;282(44):32193-9.
  16. Kuroda T, Matsumoto T, Mifune Y, Fukui T, Kubo S, Matsushita T, Asahara T, Kurosaka M, Kuroda R. Therapeutic strategy of third-generation autologous chondrocyte implantation for osteoarthritis. *Upsala J of Med Sci*. 2011;116(2):107-144.
  17. Lee ME, Kim HL, Kim CW, Lee SH, Kim JK, Lee SJ, Park JC. Effects of low temperature hydrogen peroxide gas on sterilization and cytocompatibility of porous poly(D,L-lactic-co-glycolic acid) scaffolds. *Surface and Coatings Technology*. 2008 Aug; 202(22-23): 5762-5767.
  18. Leone G, Fini M, Torricelli P, Giardino R, Barbucci R. An amidated carboxymethylcellulose hydrogel for cartilage regeneration. *J Mater Sci: Mater Med* (2008) 19:2873–2880.
  19. Matthews JA, Boland ED, Wnek GE, Simpson DG, Bowlin GL. Electrospinning of collagen type II: a feasibility study. *J Bioactiv and Compat Polymers*. 2003; 18(2): 125-34.
  20. Miyamoto Y, Shi D, Nakajima M, Ozaki K, Sudo A, Kotani A, Uchida A, Tanaka T, Fukui N, Tsunoda T, Takahashi A, Nakamura Y, Jiang Q, Ikegawa S. Common variants in DVWA on chromosome 3p24.3 are associated with susceptibility to knee osteoarthritis. *Nat Genet*. 2008 Aug;40(8):994-8.
  21. Mototani H, Mabuchi A, Saito S, Fujioka M, Iida A, Takatori Y, Kotani A, Kubo T, Nakamura K, Sekine A, Murakami Y, Tsunoda T, Notoya K, Nakamura Y, Ikegawa S. A functional single nucleotide polymorphism in the core promoter region of CALM1 is associated with hip osteoarthritis in Japanese. *Hum Mol Gen*. 2005; 14(8): 1009-17.
  22. Nakajima M, Kizawa H, Saitoh M, Kou I, Miyazono K, Ikegawa S. Mechanisms for asporin function and regulation in articular cartilage. *J Biol Chem*. 2007 Nov 2;282(44):32185-92.  
Nakamura Y, Slaby I, Spahr A, Pezeshki G, Matsumoto K, Lyngstadaas SP: Ameloblastin fusion protein enhances pulpal healing and dentin formation in porcine teeth. *Calcif Tissue Int*. 2006 May;78(5):278-84.
  23. Papayani K. The effect of T3, TGF-beta, and dexamethasone on the growth and development of the normal human articular chondrocyte from the knee. 2003. Sigma Xi Poster Session.
  24. Qureshi HY, Ahmad R, Sylvester J, Zafarullah M. Requirement of phosphatidylinositol 3-kinase/Akt signaling pathway for regulation of tissue inhibitor of metalloproteinases-3 gene expression by TGF-beta in human chondrocytes. *Cell Signal*. 2007 Aug;19(8):1643-51.
  25. Qureshi HY, Ahmad R, Zafarullah M. High-efficiency transfection of nucleic acids by the modified calcium phosphate precipitation method in chondrocytes. *Anal Biochem*. 2008 Nov 15;382(2):138-40.
  26. Qureshi HY, Ricci G, Zafarullah M. Smad signaling pathway is a pivotal component of tissue inhibitor of metalloproteinases-3 regulation by transforming growth factor beta in human chondrocytes. *Biochim Biophys Acta*. 2008 Sep;1783(9):1605-12.
  27. Schutyser E, Struyf S, Wuyls A, Put W, Geboes K, Grillet B, Opdenakker G, Damme JV. Selective induction of CCI18/PARC by staphylococcal enterotoxins in mononuclear cells and enhanced levels in septic and rheumatoid arthritis. *Wiley*. 2000; 31(12): 3755-62.
  28. Takagi M, Kitabayashi T, Koizumi S, Hirose H, Kondo S, Fujiwara M, Ueno K, Hiroaki M, Hosokawa Y, Masuhara H, Wakitani S. Correlation between cell morphology and aggrecan gene expression level during differentiation from mesenchymal stem cells to chondrocytes. *Biotechnol Lett*. 2008 Jul;30(7):1189-95.
  29. Wang Y, Blasioli DJ, Kim HJ, Kim HS, Kaplan DL. Cartilage tissue engineering with silk scaffolds and human articular

- chondrocytes. *Biomaterials*. 2006 Sep;27(25):4434-42.
30. Wenke AK, Rothhammer T, Moser M, Bosserhoff AK. Regulation of integrin alpha10 expression in chondrocytes by the transcription factors AP-2epsilon and Ets-1. *Biochem Biophys Res Commun*. 2006 Jun 23;345(1):495-501.
  31. Yoshimura F, Kanno H, Uzuki M, Tajima K, Shimamura T, Sawai T. Downregulation of inhibitor of apoptosis proteins in apoptotic human chondrocytes treated with tumor necrosis factor-alpha and actinomycin D. *Osteoarthritis Cartilage*. 2006 May;14(5):435-41.
  32. Zuk PA, Zhu M, Ashjian P, De Ugarte DA, Huang JI, Mizuno H, Alfonso ZC, Fraser JK, Benhaim P, Hedrick MH. Human adipose tissue is a source of multipotent stem cells. *Mol Biol Cell*. 2002 Dec; 13: 4279-95.

## Media

1. Domm C, Steinhagen J, Schuenke M, Kurz B. Influence of different alginates in combination with high and low oxygen supply on the redifferentiation of dedifferentiated bovine articular chondrocytes. 49<sup>th</sup> Ann Meet Orthopaed Res Soc. Paper #0250.

\* References not specifically citing the use of Lonza cells, media, or reagents in their research.

+ Denotes sections containing only the articles published within the last ten years.