Blyscan Citations 2018

Agrawal, P., Pramanik, K. & (2018) Enhanced chondrogenesis of mesenchymal stem cells over silk fibroin/chitosan-chondroitin sulfate three dimensional scaffold in dynamic culture condition. *Wiley Online Library*. Retrieved from https://onlinelibrary.wiley.com/doi/abs/10.1002/jbm.b.34074

Agrawal, P., Pramanik, K., Vishwanath, V., Biswas, A., Bissoyi, A., & Patra, P. K. (2018). Enhanced chondrogenesis of mesenchymal stem cells over silk fibroin/chitosan-chondroitin sulfate three dimensional scaffold in dynamic culture condition. *Journal of Biomedical Materials Research Part B: Applied Biomaterials*, *106*(7), 2576–2587. http://doi.org/10.1002/jbm.b.34074

Baboolal, T. G., Khalil-Khan, A., Theodorides, A. A., Wall, O., Jones, E., & McGonagle, D. (2018). A Novel Arthroscopic Technique for Intraoperative Mobilization of Synovial Mesenchymal Stem Cells. *The American Journal of Sports Medicine*, *46*(14), 3532–3540. http://doi.org/10.1177/0363546518803757

Bai, M., Yin, H., Zhao, J., Li, Y., & Wu, Y. (2018). miR-182-5p overexpression inhibits chondrogenesis by down-regulating PTHLH. *Cell Biology International*. http://doi.org/10.1002/cbin.11047

Bayó-Puxan, N., Terrasso, A., Creyssels, S. & (2018) Lysosomal and network alterations in human mucopolysaccharidosis type VII iPSC-derived neurons. *Nature.com*. Retrieved from https://www.nature.com/articles/s41598-018-34523-3

Betsch, M., Cristian, C., Lin, Y.-Y., Blaeser, A., Schöneberg, J., Vogt, M. (2018). Incorporating 4D into Bioprinting: Real-Time Magnetically Directed Collagen Fiber Alignment for Generating Complex Multilayered Tissues. *Advanced Healthcare Materials*, *7*(21), 1800894. http://doi.org/10.1002/adhm.201800894

Bhattacharyya, S., Chen, A., Chill, S., Golding, M., & Lee, D. (2018). Developing an Extracellular Vesicle Based Treatment for Osteoarthritis. Retrieved from https://drum.lib.umd.edu/handle/1903/20674

Bhattacharyya, S., Feferman, L., Han, X. & (2018) Decline in Arylsulfatase B Expression Increases EGFR Expression by Inhibiting the Protein Tyrosine Phosphatase SHP2 and Activating JNK in Prostate Cells. *ASBMB*. Retrieved from http://www.jbc.org/content/early/2018/05/24/jbc.RA117.001244.short

Brown, W. E., Huey, D. J., Hu, J. C., & Athanasiou, K. A. (2018). Functional self-assembled neocartilage as part of a biphasic osteochondral construct. *PLOS ONE*, *13*(4), e0195261. http://doi.org/10.1371/journal.pone.0195261

Brown, W., Huey, D., Hu, J. & (2018) Functional self-assembled neocartilage as part of a biphasic osteochondral construct. *Journals.plos.org*. Retrieved from http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0195261

Cao, N., Song, L., Liu, W., Fan, S., Jiang, D. & (2018) Prevascularized bladder acellular matrix hydrogel/silk fibroin composite scaffolds promote the regeneration of urethra in a rabbit model. *Iopscience.iop.org*. Retrieved from http://iopscience.iop.org/article/10.1088/1748-605X/aae5e2/meta

Caseiro, A. R., Ivanova, G., Pedrosa, S. S., Branquinho, M. V., Georgieva, P., Barbosa, P. P., Maurício, A. C. (2018). Human umbilical cord blood plasma as an alternative to animal sera for mesenchymal stromal cells in vitro expansion – A multicomponent metabolomic analysis. *PLOS ONE*, *13*(10), e0203936. http://doi.org/10.1371/journal.pone.0203936

Chen, H., Wang, H., Li, B., Feng, B., He, X., Fu, W. (2018) Enhanced chondrogenic differentiation of human mesenchymal stems cells on citric acid-modified chitosan hydrogel for tracheal cartilage regeneration. *Pubs.rsc.org*. Retrieved from http://pubs.rsc.org/en/content/articlehtml/2018/ra/c8ra00808f

Chen, Y., Sui, J., Wang, Q., Yin, Y., Liu, J. & (2018) Injectable self-crosslinking HA-SH/Col I blend hydrogels for in vitro construction of engineered cartilage. *Elsevier*. Retrieved from https://www.sciencedirect.com/science/article/pii/S0144861718302157

Chiang, C., Chen, J., Chiang, M. & (2018) Using the interplay of magnetic guidance and controlled TGF-ß release from protein-based nanocapsules to stimulate chondrogenesis. *Ncbi.nlm.nih.gov*. Retrieved from https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5995423/

Chijimatsu, R., Kobayashi, M., Ebina, K., Iwahashi, T., Okuno, Y., Hirao, M., Yoshikawa, H. (2018). Impact of dexamethasone concentration on cartilage tissue formation from human synovial derived stem cells in vitro. *Cytotechnology*, *70*(2), 819–829. http://doi.org/10.1007/s10616-018-0191-y

Choe, J. A., Jana, S., Tefft, B. J., Hennessy, R. S., Go, J., Morse, D., Young, M. D. (2018). Biomaterial characterization of off-the-shelf decellularized porcine pericardial tissue for use in prosthetic valvular applications. *Journal of Tissue Engineering and Regenerative Medicine*, *12*(7), 1608–1620. http://doi.org/10.1002/term.2686

Cornelison, R. & (2018) Injectable hydrogels of optimized acellular nerve for injection in the injured spinal cord. *Iopscience.iop.org*. Retrieved from http://iopscience.iop.org/article/10.1088/1748-605X/aaab82/meta

Cornelison, R., Wellman, S. Park, J., & (2018) Development of an apoptosis-assisted decellularization method for maximal preservation of nerve tissue structure. *Elsevier*. Retrieved from https://www.sciencedirect.com/science/article/pii/S1742706118304033

Cota, J., Leale, D., Arzi, B., & (2018) Regional and disease-related differences in properties of the equine temporomandibular joint disc. *Elsevier*. Retrieved from https://www.sciencedirect.com/science/article/pii/S0021929018307851

Critchley, S. E., Eswaramoorthy, R., & Kelly, D. J. (2018). Low-oxygen conditions promote synergistic increases in chondrogenesis during co-culture of human osteoarthritic stem cells and chondrocytes. *Journal of Tissue Engineering and Regenerative Medicine*, *12*(4), 1074–1084. http://doi.org/10.1002/term.2608

Critchley, S., Cunniffe, G. & (2018) Regeneration of osteochondral defects using developmentally inspired cartilaginous templates. *Liebertpub.com*. Retrieved from https://www.liebertpub.com/doi/abs/10.1089/ten.TEA.2018.0046

Cruz, M. A., Hom, W. W., DiStefano, T. J., Merrill, R., Torre, O. M., Lin, H. A. (2018). Cell-Seeded Adhesive Biomaterial for Repair of Annulus Fibrosus Defects in Intervertebral Discs. *Tissue Engineering Part A*, *24*(3–4), 187–198. http://doi.org/10.1089/ten.tea.2017.0334

Cunniffe, G., Díaz-Payno, P., Sheehy, E. & (2019) Tissue-specific extracellular matrix scaffolds for the regeneration of spatially complex musculoskeletal tissues. *Elsevier*. Retrieved from https://www.sciencedirect.com/science/article/pii/S0142961218306896

D'Angelo, E. (2018). Decellularized colorectal cancer matrix as bioactive microenvironment for in vitro 3D cancer research. Retrieved from http://paduaresearch.cab.unipd.it/10633/

Dalgliesh, A., Parvizi, M., Lopera-Higuita, M. & (2018) Graft-specific immune tolerance is determined by residual antigenicity of xenogeneic extracellular matrix scaffolds. *Elsevier*. Retrieved from https://www.sciencedirect.com/science/article/pii/S1742706118304835

Daly, A. C., Sathy, B. N., & Kelly, D. J. (2018). Engineering large cartilage tissues using dynamic bioreactor culture at defined oxygen conditions. *Journal of Tissue Engineering*, *9*, 204173141775371. http://doi.org/10.1177/2041731417753718

Daly, A., Pitacco, P., Nulty, J., Cunniffe, G. & (2018) 3D printed microchannel networks to direct vascularisation during endochondral bone repair. *Elsevier*. Retrieved from https://www.sciencedirect.com/science/article/pii/S0142961218300772

Daly, A., Sathy, B., (2018) Engineering large cartilage tissues using dynamic bioreactor culture at defined oxygen conditions. *Journals.sagepub.com*. Retrieved from http://journals.sagepub.com/doi/abs/10.1177/2041731417753718

Deng, Y., Lei, G., Lin, Z., Yang, Y., Lin, H., Biomaterials, R. T. & (2018) Engineering hyaline cartilage from mesenchymal stem cells with low hypertrophy potential via modulation of culture conditions and Wnt/ß-catenin pathway. *Elsevier*. Retrieved from https://www.sciencedirect.com/science/article/pii/S0142961218308214

Deng, Y., Sun, A., Overholt, K., Gary, Z.,& (2018) Enhancing Chondrogenesis and Mechanical Strength Retention in Physiologically Relevant Hydrogels with Incorporation of Hyaluronic Acid and Direct Loading of. *Elsevier*. Retrieved from https://www.sciencedirect.com/science/article/pii/S1742706118306767

Duisit, J., Amiel, H., Wüthrich, T., Taddeo, A. & (2018) Perfusion-decellularization of human ear grafts enables ECM-based scaffolds for auricular vascularized composite tissue engineering. *Elsevier*. Retrieved from https://www.sciencedirect.com/science/article/pii/S1742706118301995

Elder, S., Chenault, H., Gloth, P., Webb, K., Recinos, R., Wright, E., … Cooley, A. (2018). Effects of antigen removal on a porcine osteochondral xenograft for articular cartilage repair. *Journal of Biomedical Materials Research Part A*, *106*(8), 2251–2260. http://doi.org/10.1002/jbm.a.36411

Endo, K., Fujita, N., Nakagawa, T., & Nishimura, R. (2018). Effect of fibroblast growth factor-2 and serum on canine mesenchymal stem cell chondrogenesis. *Tissue Engineering Part A*, ten.TEA.2018.0177. http://doi.org/10.1089/ten.TEA.2018.0177

Feng, X., Li, Z., Wei, J., Feng, Z., Wu, W. & (2018) Injectable cartilaginous template transformed BMSCs into vascularized bone. *Nature.com*. Retrieved from https://www.nature.com/articles/s41598-018-26472-8

Fragkakis, E. M., El-Jawhari, J. J., Dunsmuir, R. A., Millner, P. A., Rao, A. S., Henshaw, K. T., Giannoudis, P. V. (2018). Vertebral body versus iliac crest bone marrow as a source of multipotential stromal cells: Comparison of processing techniques, tri-lineage differentiation and application on a scaffold for spine fusion. *PLOS ONE*, *13*(5), e0197969. http://doi.org/10.1371/journal.pone.0197969

Francis, L., Greco, K. V, Boccaccini, A. R., Roether, J. J., English, N. R., Huang, H., Ansari, T. (2018). Development of a novel hybrid bioactive hydrogel for future clinical applications. *Journal of Biomaterials Applications*, *33*(3), 447–465. http://doi.org/10.1177/0885328218794163

Fumić, B., Jablan, J., Cinčić, D., Zovko Končić, M., & Jug, M. (2018). Cyclodextrin encapsulation of daidzein and genistein by grinding: implication on the glycosaminoglycan accumulation in mucopolysaccharidosis type II and III fibroblasts. *Journal of Microencapsulation*, *35*(1), 1–12. http://doi.org/10.1080/02652048.2017.1409819

Fumić, B., Končić, M. Z., & Jug, M. (2018). Development of cyclodextrin-based extract of Lotus corniculatus as a potential substrate reduction therapy in mucopolysaccharidoses type III. *Journal of Inclusion Phenomena and Macrocyclic Chemistry*, *92*(3–4), 369–379. http://doi.org/10.1007/s10847-018-0861-6

Gansau, J. & (2018) Incorporation of Collagen and Hyaluronic Acid to Enhance the Bioactivity of Fibrin-Based Hydrogels for Nucleus Pulposus Regeneration. *Mdpi.com*. Retrieved from https://www.mdpi.com/2079-4983/9/3/43

Gansau, J., Kelly, L. & (2018) Influence of key processing parameters and seeding density effects of microencapsulated chondrocytes fabricated using electrohydrodynamic spraying. *Iopscience.iop.org*. Retrieved from http://iopscience.iop.org/article/10.1088/1758-5090/aacb95/meta

Gao, S., Chen, M., Wang, P., Li, Y., Yuan, Z., Guo, W. (2018) An electrospun fiber reinforced scaffold promotes total meniscus regeneration in rabbit meniscectomy model. *Elsevier*. Retrieved from https://www.sciencedirect.com/science/article/pii/S1742706118302022

Garre, A., Narda, M. & (2018) Antiaging effects of a novel facial serum containing L-ascorbic acid, proteoglycans, and proteoglycan-stimulating tripeptide: ex vivo skin explant studies and in. *Ncbi.nlm.nih.gov*. Retrieved from https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5985795/

Gerli, M. F. M., Guyette, J. P., Evangelista-Leite, D., Ghoshhajra, B. B., & Ott, H. C. (2018). Perfusion decellularization of a human limb: A novel platform for composite tissue engineering and reconstructive surgery. *PLOS ONE*, *13*(1), e0191497. http://doi.org/10.1371/journal.pone.0191497

Ghosh, P., Gruber, S., Lin, C. & (2018) Microspheres containing decellularized cartilage induce chondrogenesis in vitro and remain functional after incorporation within a poly (caprolactone) filament useful. *Iopscience.iop.org*. Retrieved from http://iopscience.iop.org/article/10.1088/1758-5090/aaa637/meta

Greco, K., Jones, L., Obiri-Yeboa, I. & (2018) Creation of an Acellular Vaginal Matrix for Potential Vaginal Augmentation and Cloacal Repair. *Elsevier*. Retrieved from https://www.sciencedirect.com/science/article/pii/S108331881830216X

Guneta, V., Zhou, Z., Tan, N., Sugii, S. & (2018) Recellularization of decellularized adipose tissue-derived stem cells: role of the cell-secreted extracellular matrix in cellular differentiation. *Pubs.rsc.org*. Retrieved from http://pubs.rsc.org/en/content/articlehtml/2018/bm/c7bm00695k

Gutman, S., Kim, D., Tarafder, S., Velez, S. & (2018) Regionally variant collagen alignment correlates with viscoelastic properties of the disc of the human temporomandibular joint. *Elsevier*. Retrieved from https://www.sciencedirect.com/science/article/pii/S0003996917303552

Hashemi, J., Pasalar, P., Soleimani, M. & (2018) Decellularized Pancreas Matrix Scaffolds for Tissue Engineering Using Ductal or Arterial Catheterization. *Karger.com*. Retrieved from https://www.karger.com/Article/Abstract/487230

Haudenschild, A., Sherlock, B., Zhou, X., & Hu, J. (2018). Nondestructive fluorescence lifetime imaging and time-resolved fluorescence spectroscopy detect cartilage matrix depletion and correlate with mechanical properties. Retrieved from https://escholarship.org/uc/item/5b43k637

Hedström, U., Hallgren, O., Öberg, L. & (2018) Bronchial extracellular matrix from COPD patients induces altered gene expression in repopulated primary human bronchial epithelial cells. *Nature.com*. Retrieved from https://www.nature.com/articles/s41598-018-21727-w

Hiemer, B., Krogull, M. & (2018) Effect of electric stimulation on human chondrocytes and mesenchymal stem cells under normoxia and hypoxia. *Spandidos-Publications.com*. Retrieved from https://www.spandidos-publications.com/mmr/18/2/2133

Hong, J., Shin, J., Kim, J. & (2018) BST106 protects against cartilage damage by inhibition of apoptosis and enhancement of autophagy in osteoarthritic rats. *Jstage.jst.go.jp*. Retrieved from https://www.jstage.jst.go.jp/article/bpb/advpub/0/advpub_b18-00207/_article/-char/ja/

Hong, P., Bezuhly, M., Graham, M. & (2018) Efficient Decellularization of Rabbit Trachea to Generate a Tissue Engineering Scaffold Biomatrix. *Elsevier*. Retrieved from https://www.sciencedirect.com/science/article/pii/S0165587618302763

Hu, B., Xu, C., Cao, P., Tian, Y., Zhang, Y., Shi, C., Chen, H. (2018). TGF-β Stimulates Expression of Chondroitin Polymerizing Factor in Nucleus Pulposus Cells Through the Smad3, RhoA/ROCK1, and MAPK Signaling Pathways. *Journal of Cellular Biochemistry*, *119*(1), 566–579. http://doi.org/10.1002/jcb.26215

Huang, B. J., Brown, W. E., Keown, T., Hu, J. C., & Athanasiou, K. A. (2018). Overcoming Challenges in Engineering Large, Scaffold-Free Neocartilage with Functional Properties. *Tissue Engineering Part A*, *24*(21–22), 1652–1662. http://doi.org/10.1089/ten.tea.2017.0495

Huang, B., Brown, W., Keown, T. & (2018) Overcoming challenges in engineering large, scaffold-free neocartilage with functional properties. *Liebertpub.com*. Retrieved from https://www.liebertpub.com/doi/abs/10.1089/ten.TEA.2017.0495

Huang, G. P., Molina, A., Tran, N., Collins, G., & Arinzeh, T. L. (2018). Investigating cellulose derived glycosaminoglycan mimetic scaffolds for cartilage tissue engineering applications. *Journal of Tissue Engineering and Regenerative Medicine*, *12*(1), e592–e603. http://doi.org/10.1002/term.2331

Huang, G., Molina, A., Tran, N. & (2018) Investigating cellulose derived glycosaminoglycan mimetic scaffolds for cartilage tissue engineering applications. *Wiley Online Library*. Retrieved from https://onlinelibrary.wiley.com/doi/abs/10.1002/term.2331

Huang, L., Zinselmeyer, B., Chang, C. & (2018) Interleukin-17 Drives Interstitial Entrapment of Tissue Lipoproteins in Experimental Psoriasis. *Elsevier*. Retrieved from https://www.sciencedirect.com/science/article/pii/S1550413118306387

Hussein, K. H., Saleh, T., Ahmed, E., Kwak, H.-H., Park, K.-M., Yang, S.-R., Woo, H.-M. (2018). Biocompatibility and hemocompatibility of efficiently decellularized whole porcine kidney for tissue engineering. *Journal of Biomedical Materials Research Part A*, *106*(7), 2034–2047. http://doi.org/10.1002/jbm.a.36407

Huwe, L. W., Brown, W. E., Hu, J. C., & Athanasiou, K. A. (2018). Characterization of costal cartilage and its suitability as a cell source for articular cartilage tissue engineering. *Journal of Tissue Engineering and Regenerative Medicine*, *12*(5), 1163–1176. http://doi.org/10.1002/term.2630

Huwe, L. W., Sullan, G. K., Hu, J. C., & Athanasiou, K. A. (2018). Using Costal Chondrocytes to Engineer Articular Cartilage with Applications of Passive Axial Compression and Bioactive Stimuli. *Tissue Engineering Part A*, *24*(5–6), 516–526. http://doi.org/10.1089/ten.tea.2017.0136

Ishitobi, H., Sanada, Y., Kato, Y., Ikuta, Y. & (2018) Carnosic acid attenuates cartilage degeneration through induction of heme oxygenase-1 in human articular chondrocytes. *Elsevier*. Retrieved from https://www.sciencedirect.com/science/article/pii/S0014299918302292

Jia, S., Wang, J., Zhang, T., Pan, W., Li, Z., He, X., Hao, D. (2018). Multilayered Scaffold with a Compact Interfacial Layer Enhances Osteochondral Defect Repair. *ACS Applied Materials & Interfaces*, *10*(24), 20296–20305. http://doi.org/10.1021/acsami.8b03445

Jin, Q., Liu, G., Li, S., Yuan, H., Yun, Z., Zhang, W., Ma, Y. (2018). Decellularized breast matrix as bioactive microenvironment for in vitro three-dimensional cancer culture. *Journal of Cellular Physiology*. http://doi.org/10.1002/jcp.26782

Kajbafzadeh, A., Khorramirouz, R.(2018) Decellularized human fetal intestine as a bioscaffold for regeneration of the rabbit bladder submucosa. *Elsevier*. Retrieved from https://www.sciencedirect.com/science/article/pii/S0022346818300496

Kim, B., Ventura, R., & Lee, B.-T. (2018). Functionalization of porous BCP scaffold by generating cell-derived extracellular matrix from rat bone marrow stem cells culture for bone tissue engineering. *Journal of Tissue Engineering and Regenerative Medicine*, *12*(2), e1256–e1267. http://doi.org/10.1002/term.2529

Kim, J.-Y., Ahn, G., Kim, C., Lee, J.-S., Lee, I.-G., An, S.-H., Shim, J.-H. (2018). Synergistic Effects of Beta Tri-Calcium Phosphate and Porcine-Derived Decellularized Bone Extracellular Matrix in 3D-Printed Polycaprolactone Scaffold on Bone Regeneration. *Macromolecular Bioscience*, *18*(6), 1800025. http://doi.org/10.1002/mabi.201800025

Kim, S., Long, D., Tsang, M., Biomaterials, Y. W.-, & (2018) Zebrafish extracellular matrix improves neuronal viability and network formation in a 3-dimensional culture. *Elsevier*. Retrieved from https://www.sciencedirect.com/science/article/pii/S0142961218302564

Kimmerling, K. A., McQuilling, J. P., Staples, M. C., & Mowry, K. C. (2018). Tenocyte cell density, migration, and extracellular matrix deposition with amniotic suspension allograft. *Journal of Orthopaedic Research®*. http://doi.org/10.1002/jor.24173

Ko, J.-Y., Lee, J., Lee, J., Ryu, Y. H., & Im, G.-I. (2018). SOX-6, 9-Transfected Adipose Stem Cells to Treat Surgically-induced Osteoarthritis in Goats. *Tissue Engineering Part A*, ten.TEA.2018.0189. http://doi.org/10.1089/ten.TEA.2018.0189

Koenig, F., Kilzer, M., Hagl, C., & Thierfelder, N. (2018). Successful decellularization of thick-walled tissue: Highlighting pitfalls and the need for a multifactorial approach. *The International Journal of Artificial Organs*, 39139881880562. http://doi.org/10.1177/0391398818805624

Laoharawee, K., DeKelver, R., Therapy, K. P.-P.-M., & (2018) Dose-dependent prevention of metabolic and neurologic disease in murine MPS II by ZFN-mediated in vivo genome editing. *Elsevier*. Retrieved from https://www.sciencedirect.com/science/article/pii/S1525001618301102

Larson, B., Sarah, N., Park, H., Estes, B. & (2018) Cartilaginous and osteochondral tissue formation by human mesenchymal stem cells on three-dimensionally woven scaffolds. *Biorxiv.org*. Retrieved from https://www.biorxiv.org/content/early/2018/08/19/395202.abstract

Li, T., Song, X., Weng, C., Wang, X., Sun, L. & (2018) Self-crosslinking and injectable chondroitin sulfate/pullulan hydrogel for cartilage tissue engineering. *Elsevier*. Retrieved from https://www.sciencedirect.com/science/article/pii/S2352940717303906

Lin, A., Vapniarsky, N. & (2018) The Temporomandibular Joint of the Domestic Dog (Canis lupus familiaris) in Health and Disease. *Elsevier*. Retrieved from https://www.sciencedirect.com/science/article/pii/S0021997518301142

Lin, C., Kao, Y., Ma, H., of, R. T.-J. of the mechanical behavior, & (2018) An investigation on the correlation between the mechanical property change and the alterations in composition and microstructure of a porcine vascular tissue. *Elsevier*. Retrieved from https://www.sciencedirect.com/science/article/pii/S175161611830523X

Lin, H.-J., Wang, T.-J., Li, T.-W., Chang, Y.-Y., Sheu, M.-T., Huang, Y.-Y., & Liu, D.-Z. (2018). Development of Decellularized Cornea by Organic Acid Treatment for Corneal Regeneration. *Tissue Engineering Part A*, ten.tea.2018.0162. http://doi.org/10.1089/ten.tea.2018.0162

Liou, J.-J., Rothrauff, B. B., Alexander, P. G., & Tuan, R. S. (2018). Effect of Platelet-Rich Plasma on Chondrogenic Differentiation of Adipose- and Bone Marrow-Derived Mesenchymal Stem Cells. *Tissue Engineering Part A*, *24*(19–20), 1432–1443. http://doi.org/10.1089/ten.tea.2018.0065

Liu, G., Wang, B., Li, S., Jin, Q., & Dai, Y. (2018). Human breast cancer decellularized scaffolds promote epithelial-to-mesenchymal transitions and stemness of breast cancer cells in vitro. *Journal of Cellular Physiology*. http://doi.org/10.1002/jcp.27630

Liu, L., Yu, Q., Fu, S., Wang, B., Hu, K., Wang, L., Huang, H. (2018). CXCR4 Antagonist AMD3100 Promotes Mesenchymal Stem Cell Mobilization in Rats Preconditioned with the Hypoxia-Mimicking Agent Cobalt Chloride. *Stem Cells and Development*, *27*(7), 466–478. http://doi.org/10.1089/scd.2017.0191

Ma, J., Ju, Z., Yu, J., Qiao, Y., Hou, C., Wang, C. (2018) Decellularized Rat Lung Scaffolds Using Sodium Lauryl Ether Sulfate for Tissue Engineering. *Ingentaconnect.com*. Retrieved from https://www.ingentaconnect.com/content/wk/mat/2018/00000064/00000003/art00022

Ma, X., Yu, C., Wang, P., Xu, W., Wan, X., Lai, C. (2018) Rapid 3D bioprinting of decellularized extracellular matrix with regionally varied mechanical properties and biomimetic microarchitecture. *Elsevier*. Retrieved from https://www.sciencedirect.com/science/article/pii/S014296121830663X

Mao, Y., Hoffman, T., Wu, A., & Kohn, J. (2018). An Innovative Laboratory Procedure to Expand Chondrocytes with Reduced Dedifferentiation. *CARTILAGE*, *9*(2), 202–211. http://doi.org/10.1177/1947603517746724

Morris, A., Stamer, D., Kunkemoeller, B., Biomaterials, J. C.-, & (2018) Decellularized materials derived from TSP2-KO mice promote enhanced neovascularization and integration in diabetic wounds. *Elsevier*. Retrieved from https://www.sciencedirect.com/science/article/pii/S014296121830228X

Murdock, M. H., David, S., Swinehart, I. T., Reing, J. E., Tran, K., Gassei, K., Badylak, S. F. (2018). Human testis extracellular matrix enhances human spermatogonial stem cell survival in vitro. *Tissue Engineering Part A*, ten.TEA.2018.0147. http://doi.org/10.1089/ten.TEA.2018.0147

Nakajima, T., Shibata, M., Nishio, M. & (2018) Modeling human somite development and fibrodysplasia ossificans progressiva with induced pluripotent stem cells. *Dev.biologists.org*. Retrieved from http://dev.biologists.org/content/145/16/dev165431.abstract

Namiri, M., Kazemi Ashtiani, M., Abbasalizadeh, S., Mazidi, Z., Mahmoudi, E., Nikeghbalian, S., Baharvand, H. (2018). Improving the biological function of decellularized heart valves through integration of protein tethering and three-dimensional cell seeding in a bioreactor. *Journal of Tissue Engineering and Regenerative Medicine*, *12*(4), e1865–e1879. http://doi.org/10.1002/term.2617

Naqvi, S., Gansau, J.& (2018) Priming and cryopreservation of microencapsulated marrow stromal cells as a strategy for intervertebral disc regeneration. *Iopscience.iop.org*. Retrieved from http://iopscience.iop.org/article/10.1088/1748-605X/aaab7f/meta

Naritomi, M., Mizuno, M., Katano, H., Ozeki, N., Otabe, K., Komori, K., Sekiya, I. (2018). Petaloid recombinant peptide enhances in vitro cartilage formation by synovial mesenchymal stem cells. *Journal of Orthopaedic Research®*. http://doi.org/10.1002/jor.24042

Nasrabadi, D., Rezaeiani, S. & (2018) Improved Protocol for Chondrogenic Differentiation of Bone Marrow Derived Mesenchymal Stem Cells-Effect of PTHrP and FGF-2 on TGFβ1/BMP2-Induced. *Springer*. Retrieved from https://link.springer.com/content/pdf/10.1007/s12015-018-9816-y.pdf

Nijst, P., Olinevich, M., Hilkens, P. & (2018) Dermal interstitial alterations in patients with heart failure and reduced ejection fraction: a potential contributor to fluid accumulation? *Am Heart Assoc*. Retrieved from https://www.ahajournals.org/doi/abs/10.1161/circheartfailure.117.004763

Nijst, P., Olinevich, M., Hilkens, P., Martens, P., Dupont, M., Tang, W. H. W., Mullens, W. (2018). Dermal Interstitial Alterations in Patients With Heart Failure and Reduced Ejection Fraction. *Circulation: Heart Failure*, *11*(7). http://doi.org/10.1161/CIRCHEARTFAILURE.117.004763

Osago, H., Kobayashi-Miura, M., Hamasaki, Y. & (2018) Complete solubilization of cartilage using the heat-stable protease thermolysin for comprehensive GAG analysis. *Elsevier*. Retrieved from https://www.sciencedirect.com/science/article/pii/S0003269718302239

Pal, A. R., Mercer, J., Jones, S. A., Bruce, I. A., & Bigger, B. W. (2018). Substrate accumulation and extracellular matrix remodelling promote persistent upper airway disease in mucopolysaccharidosis patients on enzyme replacement therapy. *PLOS ONE*, *13*(9), e0203216. http://doi.org/10.1371/journal.pone.0203216

Pal, A., Mercer, J., Jones, S., Bruce, I. & (2018) Substrate accumulation and extracellular matrix remodelling promote persistent upper airway disease in mucopolysaccharidosis patients on enzyme. *Journals.plos.org*. Retrieved from https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0203216

Park, S. M., Yang, S., Rye, S.-M., & Choi, S. W. (2018). Effect of pulsatile flow perfusion on decellularization. *BioMedical Engineering OnLine*, *17*(1), 15. http://doi.org/10.1186/s12938-018-0445-0

Philips, C., Campos, F., Roosens, A., Sánchez-Quevedo, M. del C., Declercq, H., & Carriel, V. (2018). Qualitative and Quantitative Evaluation of a Novel Detergent-Based Method for Decellularization of Peripheral Nerves. *Annals of Biomedical Engineering*, *46*(11), 1921–1937. http://doi.org/10.1007/s10439-018-2082-y

Philips, C., Cornelissen, M., neural, V. C.-J. of, & (2018) Evaluation methods as quality control in the generation of decellularized peripheral nerve allografts. *Iopscience.iop.org*. Retrieved from http://iopscience.iop.org/article/10.1088/1741-2552/aaa21a/meta

Piccoli, M., D'Angelo, E., Crotti, S., Sensi, F., Urbani, L., Maghin, E., Agostini, M. (2018). Decellularized colorectal cancer matrix as bioactive microenvironment for in vitro 3D cancer research. *Journal of Cellular Physiology*, *233*(8), 5937–5948. http://doi.org/10.1002/jcp.26403

Prasadam, I., Akuien, A., Friis, T., Fang, W. & (2018) Mixed cell therapy of bone marrow-derived mesenchymal stem cells and articular cartilage chondrocytes ameliorates osteoarthritis development. *Nature.com*. Retrieved from https://www.nature.com/articles/labinvest2017117

Pu, L., Wu, J., Pan, X., Hou, Z., Zhang, J., Chen, W., Jiang, L. (2018). Determining the optimal protocol for preparing an acellular scaffold of tissue engineered small-diameter blood vessels. *Journal of Biomedical Materials Research Part B: Applied Biomaterials*, *106*(2), 619–631. http://doi.org/10.1002/jbm.b.33827

Rahman, S., Griffin, M., Naik, A., Szarko, M. & (2018) Optimising the decellularization of human elastic cartilage with trypsin for future use in ear reconstruction. *Nature.com*. Retrieved from https://www.nature.com/articles/s41598-018-20592-x

Raj, R., Anilkumar, T.& (2018) Preparation and characterization of cholecystic extracellular matrix powder forms for biomedical applications. *Iopscience.iop.org*. Retrieved from http://iopscience.iop.org/article/10.1088/2057-1976/aacf59/meta

Rajabi, S., Jalili-Firoozinezhad, S., Ashtiani, M. K., Le Carrou, G., Tajbakhsh, S., & Baharvand, H. (2018). Effect of chemical immobilization of SDF-1α into muscle-derived scaffolds on angiogenesis and muscle progenitor recruitment. *Journal of Tissue Engineering and Regenerative Medicine*, *12*(1), e438–e450. http://doi.org/10.1002/term.2479

Rajabi, S., Pahlavan, S., Ashtiani, M. & (2018) Human embryonic stem cell-derived cardiovascular progenitor cells efficiently colonize in bFGF-tethered natural matrix to construct contracting humanized rat hearts. *Elsevier*. Retrieved from https://www.sciencedirect.com/science/article/pii/S0142961217307202

Ren, G., Zhang, Y., Wang, J. & (2018) Effect of Xylosyltransferase-I Silencing on Implanting Growth of Salivary Pleomorphic Adenoma. *Medscimonit.com*. Retrieved from https://www.medscimonit.com/abstract/index/idArt/911014

Ren, T., Faust, A., Merwe, Y. van der, Xiao, B. & (2018) Fetal extracellular matrix nerve wraps locally improve peripheral nerve remodeling after complete transection and direct repair in rat. *Nature.com*. Retrieved from https://www.nature.com/articles/s41598-018-22628-8

Robertson, M. J., Soibam, B., O'Leary, J. G., Sampaio, L. C., & Taylor, D. A. (2018). Recellularization of rat liver: An in vitro model for assessing human drug metabolism and liver biology. *PLOS ONE*, *13*(1), e0191892. http://doi.org/10.1371/journal.pone.0191892

Romanazzo, S., Vedicherla, S., Moran, C., & Kelly, D. J. (2018). Meniscus ECM-functionalised hydrogels containing infrapatellar fat pad-derived stem cells for bioprinting of regionally defined meniscal tissue. *Journal of Tissue Engineering and Regenerative Medicine*, *12*(3), e1826–e1835. http://doi.org/10.1002/term.2602

Rothrauff, B. B., Coluccino, L., Gottardi, R., Ceseracciu, L., Scaglione, S., Goldoni, L., & Tuan, R. S. (2018). Efficacy of thermoresponsive, photocrosslinkable hydrogels derived from decellularized tendon and cartilage extracellular matrix for cartilage tissue engineering. *Journal of Tissue Engineering and Regenerative Medicine*, *12*(1), e159–e170. http://doi.org/10.1002/term.2465

Sackett, S., Tremmel, D., Ma, F. & (2018) Extracellular matrix scaffold and hydrogel derived from decellularized and delipidized human pancreas. *Nature.com*. Retrieved from https://www.nature.com/articles/s41598-018-28857-1

Saheli, M., Sepantafar, M., Pournasr, B., Farzaneh, Z., Vosough, M., Piryaei, A., & Baharvand, H. (2018). Three-dimensional liver-derived extracellular matrix hydrogel promotes liver organoids function. *Journal of Cellular Biochemistry*, *119*(6), 4320–4333. http://doi.org/10.1002/jcb.26622

Sakai, D., Nakai, T., Hiraishi, S., Nakamura, Y., Ando, K., Naiki, M., & Watanabe, M. (2018). Upregulation of glycosaminoglycan synthesis by Neurotropin in nucleus pulposus cells via stimulation of chondroitin sulfate N-acetylgalactosaminyltransferase 1: A new approach to attenuation of intervertebral disc degeneration. *PLOS ONE*, *13*(8), e0202640. http://doi.org/10.1371/journal.pone.0202640

Samuel, S., Ahmad, R., Ramasamy, T. & (2018) Platelet rich concentrate enhances mesenchymal stem cells capacity to repair focal cartilage injury in rabbits. *Elsevier*. Retrieved from https://www.sciencedirect.com/science/article/pii/S0020138318300792

Sarem, M., Arya, N., Heizmann, M., Neffe, A. & (2018) Interplay between stiffness and degradation of architectured gelatin hydrogels leads to differential modulation of chondrogenesis in vitro and in vivo. *Elsevier*. Retrieved from https://www.sciencedirect.com/science/article/pii/S1742706118300369

Sasaki, A., Mizuno, M., Ozeki, N., Katano, H., Otabe, K., Tsuji, K., Sekiya, I. (2018). Canine mesenchymal stem cells from synovium have a higher chondrogenic potential than those from infrapatellar fat pad, adipose tissue, and bone marrow. *PLOS ONE*, *13*(8), e0202922. http://doi.org/10.1371/journal.pone.0202922

Sasaki, H., Rothrauff, B. B., Alexander, P. G., Lin, H., Gottardi, R., Fu, F. H., & Tuan, R. S. (2018). In Vitro Repair of Meniscal Radial Tear With Hydrogels Seeded With Adipose Stem Cells and TGF-β3. *The American Journal of Sports Medicine*, *46*(10), 2402–2413. http://doi.org/10.1177/0363546518782973

Sengyoku, H., Tsuchiya, T., Obata, T., Doi, R., Hashimoto, Y., Ishii, M., Nagayasu, T. (2018). Sodium hydroxide based non-detergent decellularizing solution for rat lung. *Organogenesis*, *14*(2), 94–106. http://doi.org/10.1080/15476278.2018.1462432

Shah, B., of, N. C.-J., & (2018) Dynamic Hydrostatic Pressure Regulates Nucleus Pulposus Phenotypic Expression and Metabolism in a Cell Density-Dependent Manner. *asmedigitalcollection.asme.org*. Retrieved from http://manufacturingscience.asmedigitalcollection.asme.org/article.aspx?articleid=2666887

Shen, H., Lin, H., Sun, A., Song, S. & (2018) Chondroinductive factor-free chondrogenic differentiation of human mesenchymal stem cells in graphene oxide-incorporated hydrogels. *Pubs.rsc.org*. Retrieved from http://pubs.rsc.org/en/content/articlehtml/2018/tb/c7tb02172k

Sidney, L. E., & Hopkinson, A. (2018). Corneal keratocyte transition to mesenchymal stem cell phenotype and reversal using serum-free medium supplemented with fibroblast growth factor-2, transforming growth factor-β3 and retinoic acid. *Journal of Tissue Engineering and Regenerative Medicine*, *12*(1), e203–e215. http://doi.org/10.1002/term.2316

Singh, B. & (2018) Fabrication and evaluation of non-mulberry silk fibroin fiber reinforced chitosan based porous composite scaffold for cartilage tissue engineering. *Elsevier*. Retrieved from https://www.sciencedirect.com/science/article/pii/S0040816618302313

Song, M., Liu, Y. & (2018) Preparation and characterization of acellular adipose tissue matrix using a combination of physical and chemical treatments. *Spandidos-Publications.com*. Retrieved from https://www.spandidos-publications.com/mmr/17/1/138

Srinivasan, A., Chang, S., Zhang, S., Toh, W. & (2018) Substrate stiffness modulates the multipotency of human neural crest derived ectomesenchymal stem cells via CD44 mediated PDGFR signaling. *Elsevier*. Retrieved from https://www.sciencedirect.com/science/article/pii/S0142961218301893

Tellado, S., Chiera, S., Bonani, W., Poh, P., & (2018) Heparin functionalization increases retention of TGF-β2 and GDF5 on biphasic silk fibroin scaffolds for tendon/ligament-to-bone tissue engineering. *Elsevier*. Retrieved from https://www.sciencedirect.com/science/article/pii/S1742706118301375

Teong, B., Wu, S.-C., Chang, C.-M., Chen, J.-W., Chen, H.-T., Chen, C.-H., Ho, M.-L. (2018). The stiffness of a crosslinked hyaluronan hydrogel affects its chondro-induction activity on hADSCs. *Journal of Biomedical Materials Research Part B: Applied Biomaterials*, *106*(2), 808–816. http://doi.org/10.1002/jbm.b.33881

Tsuyuguchi, Y., Nakasa, T., Ishikawa, M., Miyaki, S., Matsushita, R., Kanemitsu, M., & Adachi, N. (2018). The Benefit of Minced Cartilage Over Isolated Chondrocytes in Atelocollagen Gel on Chondrocyte Proliferation and Migration. *CARTILAGE*, 194760351880520. http://doi.org/10.1177/1947603518805205

Urbani, L., Camilli, C. & (2018) Multi-stage bioengineering of a layered oesophagus with in vitro expanded muscle and epithelial adult progenitors. *Nature.com*. Retrieved from https://www.nature.com/articles/s41467-018-06385-w

Urciuolo, A., Urbani, L., Perin, S. & (2018) Decellularised skeletal muscles allow functional muscle regeneration by promoting host cell migration. *Nature.com*. Retrieved from https://www.nature.com/articles/s41598-018-26371-y

Vafaei, S., Tabaei, S. R., Guneta, V., Choong, C., & Cho, N.-J. (2018). Hybrid Biomimetic Interfaces Integrating Supported Lipid Bilayers with Decellularized Extracellular Matrix Components. *Langmuir*, *34*(11), 3507–3516. http://doi.org/10.1021/acs.langmuir.7b03265

Vafaei, S., Tabaei, S., Guneta, V., Choong, C., Langmuir, N. C.-, & (2018) Hybrid Biomimetic Interfaces Integrating Supported Lipid Bilayers with Decellularized Extracellular Matrix Components. *ACS Publications*. Retrieved from https://pubs.acs.org/doi/abs/10.1021/acs.langmuir.7b03265

Vas, W. J., Shah, M., Blacker, T. S., Duchen, M. R., Sibbons, P., & Roberts, S. J. (2018). Decellularized Cartilage Directs Chondrogenic Differentiation: Creation of a Fracture Callus Mimetic. *Tissue Engineering Part A*, *24*(17–18), 1364–1376. http://doi.org/10.1089/ten.tea.2017.0450

VeDepo, M., Buse, E., Paul, A. & (2018) Comparison of Candidate Cell Populations for the Recellularization of Decellularized Heart Valves. *Springer*. Retrieved from https://link.springer.com/content/pdf/10.1007/s12195-018-0524-0.pdf

VeDepo, M., Buse, E., Quinn, R., Hopkins, R., & Converse, G. (2018). Extended bioreactor conditioning of mononuclear cell-seeded heart valve scaffolds. *Journal of Tissue Engineering*, *9*, 204173141876721. http://doi.org/10.1177/2041731418767216

Vedicherla, S., Romanazzo, S., Kelly, D. J., Buckley, C. T., & Moran, C. J. (2018). Chondrocyte-based intraoperative processing strategies for the biological augmentation of a polyurethane meniscus replacement. *Connective Tissue Research*, *59*(4), 381–392. http://doi.org/10.1080/03008207.2017.1402892

Velusami, C. C., Richard, E. J., & Bethapudi, B. (2018). Polar extract of Curcuma longa protects cartilage homeostasis: possible mechanism of action. *Inflammopharmacology*, *26*(5), 1233–1243. http://doi.org/10.1007/s10787-017-0433-1

Ventura, R., Padalhin, A. & (2018) In-vitro and in-vivo evaluation of hemostatic potential of decellularized ECM hydrogels. *Elsevier*. Retrieved from https://www.sciencedirect.com/science/article/pii/S0167577X18312035

Wang, F., Maeda, Y., Zachar, V. & (2018) Regeneration of the oesophageal muscle layer from oesophagus acellular matrix scaffold using adipose-derived stem cells. *Elsevier*. Retrieved from https://www.sciencedirect.com/science/article/pii/S0006291X18313263

Wang, L., Di, L., & (2018) Abundance of saccharides and scarcity of glycosaminoglycans in the soft tissue of clam, Meretrix meretrix (Linnaeus). *Elsevier*. Retrieved from https://www.sciencedirect.com/science/article/pii/S0065128118301235

Wang, X., Xue, Y., Ye, W., Pang, J., Liu, Z. & (2018) The MEK-ERK1/2 signaling pathway regulates hyaline cartilage formation and the redifferentiation of dedifferentiated chondrocytes in vitro. *Ncbi.nlm.nih.gov*. Retrieved from https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6220221/

Wang, Y., Zhang, J., Qin, Z., Fan, Z., Lu, C., Chen, B. (2018) Preparation of high bioactivity multilayered bone-marrow mesenchymal stem cell sheets for myocardial infarction using a 3D-dynamic system. *Elsevier*. Retrieved from https://www.sciencedirect.com/science/article/pii/S1742706118301831

Wang, Z., Li, Z., Li, Z., Wu, B., Liu, Y. & (2018) Cartilaginous extracellular matrix derived from decellularized chondrocyte sheets for the reconstruction of osteochondral defects in rabbits. *Elsevier*. Retrieved from https://www.sciencedirect.com/science/article/pii/S1742706118305956

Wei, T., Qi, X., Duan, J., Zheng, Y., Xu, H. & (2018) Characterization of pathological and biochemical changes in rat destabilization of medial meniscus models of osteoarthritis. *Ijcem.com*. Retrieved from http://www.ijcem.com/files/ijcem0080430.pdf

Weinmann, D., Mueller, M., Walzer, S. M., Hobusch, G. M., Lass, R., Gahleitner, C. Toegel, S. (2018). Brazilin blocks catabolic processes in human osteoarthritic chondrocytes via inhibition of NFKB1/p50. *Journal of Orthopaedic Research®*, *36*(9), 2431–2438. http://doi.org/10.1002/jor.24013

Wijburg, F., Whitley, C., Muenzer, J. & (2018) Intrathecal heparan-N-sulfatase in patients with Sanfilippo syndrome type A: A phase IIb randomized trial. *Elsevier*. Retrieved from https://www.sciencedirect.com/science/article/pii/S1096719218305353

Woods, A., & Couchman, J. R. (2018). Proteoglycan Isolation and Analysis. *Current Protocols in Cell Biology*, *80*(1), e59. http://doi.org/10.1002/cpcb.59

Wright, G. J., Coombs, M. C., Wu, Y., Damon, B. J., Bacro, T. H., Kern, M. J., Yao, H. (2018). Electrical Conductivity Method to Determine Sexual Dimorphisms in Human Temporomandibular Disc Fixed Charge Density. *Annals of Biomedical Engineering*, *46*(2), 310–317. http://doi.org/10.1007/s10439-017-1963-9

Wright, G., Coombs, M., Wu, Y. & (2018) Electrical Conductivity Method to Determine Sexual Dimorphisms in Human Temporomandibular Disc Fixed Charge Density. *Springer*. Retrieved from https://link.springer.com/article/10.1007/s10439-017-1963-9

Wu, J., Brazile, B., McMahan, S. R., Liao, J., & Hong, Y. (2018). Heart valve tissue-derived hydrogels: Preparation and characterization of mitral valve chordae, aortic valve, and mitral valve gels. *Journal of Biomedical Materials Research Part B: Applied Biomaterials*. http://doi.org/10.1002/jbm.b.34266

Wu, L., Magaz, A., Wang, T., Liu, C., & (2018) Stiffness memory of indirectly 3D-printed elastomer nanohybrid regulates chondrogenesis and osteogenesis of human mesenchymal stem cells. *Elsevier*. Retrieved from https://www.sciencedirect.com/science/article/pii/S0142961218306446

Wu, Q., Liu, J., Liu, L., Chen, Y., Wang, J., Leng, L.,Wang, Y. (2018). Establishment of an ex Vivo Model of Nonalcoholic Fatty Liver Disease Using a Tissue-Engineered Liver. *ACS Biomaterials Science & Engineering*, *4*(8), 3016–3026. http://doi.org/10.1021/acsbiomaterials.8b00652

Yang, J., Liu, Y., He, L., Wang, Q., Wang, L., Yuan, T. (2018) Icariin conjugated hyaluronic acid/collagen hydrogel for osteochondral interface restoration. *Elsevier*. Retrieved from https://www.sciencedirect.com/science/article/pii/S1742706118302745

Yang, K., Sun, J., Guo, Z., Yang, J., Wei, D., & (2018) Methacrylamide-modified collagen hydrogel with improved anti-actin-mediated matrix contraction behavior. *Pubs.rsc.org*. Retrieved from https://pubs.rsc.org/en/content/articlehtml/2018/tb/c8tb02314j

Yang, S., Ku, K., Chen, S. & (2018) Development of chondrocyte-seeded electrosprayed nanoparticles for repair of articular cartilage defects in rabbits. *Journals.sagepub.com*. Retrieved from http://journals.sagepub.com/doi/abs/10.1177/0885328217740729

Yang, S.-W., Ku, K.-C., Chen, S.-Y., Kuo, S.-M., Chen, I.-F., Wang, T.-Y., & Chang, S.-J. (2018). Development of chondrocyte-seeded electrosprayed nanoparticles for repair of articular cartilage defects in rabbits. *Journal of Biomaterials Applications*, *32*(6), 800–812. http://doi.org/10.1177/0885328217740729

Yang, Y., Lin, H., Shen, H., Wang, B., Lei, G. & (2018) Mesenchymal stem cell-derived extracellular matrix enhances chondrogenic phenotype of and cartilage formation by encapsulated chondrocytes in vitro and in vivo. *Elsevier*. Retrieved from https://www.sciencedirect.com/science/article/pii/S1742706118300023

Yin, H., Zhang, Y., Wang, K., Song, Y., Tu, J., (2018) The involvement of regulated in development and DNA damage response 1 (REDD1) in the pathogenesis of intervertebral disc degeneration. *Elsevier*. Retrieved from https://www.sciencedirect.com/science/article/pii/S0014482718310693

Yin, L., Wu, Y., Yang, Z., Denslin, V., Ren, X., Tee, C. (2018) Characterization and application of size-sorted zonal chondrocytes for articular cartilage regeneration. *Elsevier*. Retrieved from https://www.sciencedirect.com/science/article/pii/S0142961218301509

Yoon, J., Lee, S., Shin, S. & (2018) Comparative Analysis of Platelet-rich Plasma Effect on Tenocytes from Normal Human Rotator Cuff Tendon and Human Rotator Cuff Tendon with Degenerative Tears. *Search.ebscohost.com*. Retrieved from http://search.ebscohost.com/login.aspx?direct=true&profile=ehost&scope=site&authtype=crawler&jrnl=122693

44&AN=129917244&h=kKLDtjdesQQuAqLlwxmYkmunAh%2BcXp%2B%2FGI4sku%2BQF9UcZQIw2T1EYMcAn%2FCiSbIjFp5g0dyc0tB3YL1O9Iqejw%3D%3D&crl=c

Yu, C., Liu, J., Lu, G., Xie, Y., Sun, Y. & (2018) Repair of osteochondral defects in a rabbit model with artificial cartilage particulates derived from cultured collagen-chondrocyte microspheres. *Pubs.rsc.org*. Retrieved from https://pubs.rsc.org/en/content/articlehtml/2018/tb/c8tb01185k

Yu, H., Chen, Y., Kong, H. & 2018) The rat pancreatic body tail as a source of a novel extracellular matrix scaffold for endocrine pancreas bioengineering. *Jbioleng.biomedcentral.com*. Retrieved from https://jbioleng.biomedcentral.com/articles/10.1186/s13036-018-0096-5

Yu, H., Chen, Y., Kong, H., He, Q., Sun, H., Bhugul, P. A., Zhou, M. (2018). The rat pancreatic body tail as a source of a novel extracellular matrix scaffold for endocrine pancreas bioengineering. *Journal of Biological Engineering*, *12*(1), 6. http://doi.org/10.1186/s13036-018-0096-5

Yu, T., Qu, J., Wang, Y., & Jin, H. (2018). Ligustrazine protects chondrocyte against IL-1β induced injury by regulation of SOX9/NF-κB signaling pathway. *Journal of Cellular Biochemistry*, *119*(9), 7419–7430. http://doi.org/10.1002/jcb.27051

Yu, T., Qu, J., Wang, Y. (2018) Ligustrazine protects chondrocyte against IL-1β induced injury by regulation of SOX9/NF-κB signaling pathway. *Wiley Online Library*. Retrieved from https://onlinelibrary.wiley.com/doi/abs/10.1002/jcb.27051

Zambaiti, E., Scottoni, F., Rizzi, E., & (2018) Whole rat stomach decellularisation using a detergent-enzymatic protocol. *Springer*. Retrieved from https://link.springer.com/article/10.1007/s00383-018-4372-8

Zambaiti, E., Scottoni, F., Rizzi, E., Russo, S., Deguchi, K., Eaton, S., De Coppi, P. (2018). Whole rat stomach decellularisation using a detergent-enzymatic protocol. *Pediatric Surgery International*. http://doi.org/10.1007/s00383-018-4372-8

Zhang, S., Chuah, S., Lai, R., Hui, J., Lim, S. & (2018) MSC exosomes mediate cartilage repair by enhancing proliferation, attenuating apoptosis and modulating immune reactivity. *Elsevier*. Retrieved from https://www.sciencedirect.com/science/article/pii/S0142961217307548

Zhao, C., Wang, S., Wang, G., Su, M., Song, L., & (2018) Preparation of decellularized biphasic hierarchical myotendinous junction extracellular matrix for muscle regeneration. *Elsevier*. Retrieved from https://www.sciencedirect.com/science/article/pii/S1742706117308012

Zhou, H., Kitano, K., Ren, X., Rajab, T., & (2018) Bioengineering human lung grafts on porcine matrix. *Journals.lww.com*. Retrieved from https://journals.lww.com/annalsofsurgery/Abstract/2018/03000/Bioengineering_Human_Lung_Grafts_on_Porcine_Matrix.32.aspx

Zhou, X., Wang, J., Huang, X., Fang, W., Tao, Y. & (2018) Injectable decellularized nucleus pulposus-based cell delivery system for differentiation of adipose-derived stem cells and nucleus pulposus regeneration. *Elsevier*. Retrieved from https://www.sciencedirect.com/science/article/pii/S1742706118305737

Zhou, Y., Chen, C., Guo, Z., Xie, S., Hu, J., & Lu, H. (2018). SR-FTIR as a tool for quantitative mapping of the content and distribution of extracellular matrix in decellularized book-shape bioscaffolds. *BMC Musculoskeletal Disorders*, *19*(1), 220. http://doi.org/10.1186/s12891-018-2149-9

Žigon-Branc, S., Barlič, A., Knežević, M., Jeras, M., & Vunjak-Novakovic, G. (2018). Testing the potency of anti-TNF-α and anti-IL-1β drugs using spheroid cultures of human osteoarthritic chondrocytes and donor-matched chondrogenically differentiated mesenchymal stem cells. *Biotechnology Progress*, *34*(4), 1045–1058. http://doi.org/10.1002/btpr.2629