

# Publications for Ciara Murphy

## 2017

Yu, N., Fathi, A., Murphy, C., Mikulec, K., Peacock, L., Cantrill, L., Dehghani, F., Little, D., Schindeler, A. (2017). Local co-delivery of rhBMP-2 and cathepsin K inhibitor L006235 in poly(D,L-lactide-co-glycolide) nanospheres. *Journal of Biomedical Materials Research - Part B Applied Biomaterials*, 105B (1), 136-144. <a href="http://dx.doi.org/10.1002/jbm.b.33481">[More Information]</a>

## 2015

Ravarian, R., Murphy, C., Schindeler, A., Rawal, A., Hook, J., Dehghani, F. (2015). Bioactive poly(methyl methacrylate) for bone fixation. *RSC Advances*, 5(75), 60681-60690. <a href="http://dx.doi.org/10.1039/c5ra08824k">[More Information]</a>

Cheng, T., Murphy, C., Ravarian, R., Dehghani, F., Little, D., Schindeler, A. (2015). Bisphosphonate-adsorbed ceramic nanoparticles increase bone formation in an injectable carrier for bone tissue engineering. *Journal of Tissue Engineering*, 6, 1-9. <a href="http://dx.doi.org/10.1177/2041731415609448">[More Information]</a>

Murphy, C., Schindeler, A., Cantrill, L., Mikulec, K., Peacock, L., Little, D. (2015). PTH(1-34) Treatment Increases Bisphosphonate Turnover in Fracture Repair in Rats. *Journal of Bone and Mineral Research*, 30(6), 1022-1029. <a href="http://dx.doi.org/10.1002/jbmr.2424">[More Information]</a>

## 2014

Murphy, C., Schindeler, A., Gleeson, J., Yu, N., Cantrill, L., Mikulec, K., Peacock, L., O'Brien, F., Little, D. (2014). A collagen-hydroxyapatite scaffold allows for binding and co-delivery of recombinant bone morphogenetic proteins and bisphosphonates. *Acta Biomaterialia*, 10, 2250-2258. <a href="http://dx.doi.org/10.1016/j.actbio.2014.01.016">[More Information]</a>

Shen, K., Murphy, C., Chan, B., Kolind, M., Cheng, T., Cheng, T., Mikulec, K., Peacock, L., Xue, M., Park, S., Little, D., Jackson, C., Schindeler, A. (2014). Activated Protein C (APC) can Increase Bone Anabolism via a Protease Activated Receptor (PAR)1/2 Dependent Mechanism. *Journal of Orthopaedic Research*, 32(12), 1549-1556. <a href="http://dx.doi.org/10.1002/jor.22726">[More Information]</a>

Cheng, T., Murphy, C., Cantrill, L., Mikulec, K., Carpenter, C., Schindeler, A., Little, D. (2014). Local delivery of recombinant human bone morphogenetic proteins and bisphosphonate via sucrose acetate isobutyrate can prevent femoral head collapse in Legg-Calve-Perthes disease: a pilot study in pigs. *International Orthopaedics*, 38(7), 1527-1533. <a href="http://dx.doi.org/10.1007/s00264-013-2255-0">[More Information]</a>

Yu, N., Gdalevitch, M., Murphy, C., Mikulec, K., Peacock, L., Fitzpatrick, J., Cantrill, L., Ruys, A., Cooper-White, J., Little, D., Schindeler, A. (2014). Spatial control of bone formation using a porous polymer scaffold co-delivering anabolic rhbmp-2 and anti-resorptive agents. *European Cells and Materials*, 27, 98-111. <a href="http://dx.doi.org/10.22203/ecm.v027a08">[More Information]</a>

<a href="http://dx.doi.org/10.22203/ecm.v027a08">[More Information]</a>

## 2013

Cheng, T., Valtchev, P., Murphy, C., Cantrill, L., Dehghani, F., Little, D., Schindeler, A. (2013). A sugar-based phase-transitioning delivery system for bone tissue-engineering. *European Cells and Materials*, 26, 208-221. <a href="http://dx.doi.org/10.22203/ecm.v026a15">[More Information]</a>

Murphy, C., O'Brien, F., Little, D., Schindeler, A. (2013). Cell-scaffold interactions in the bone tissue engineering triad. *European Cells and Materials*, 26, 120-132. <a href="http://dx.doi.org/10.22203/ecm.v026a09">[More Information]</a>

Ravarian, R., Zhong, X., Barbeck, M., Ghanaati, S., Kirkpatrick, C., Murphy, C., Schindeler, A., Chrzanowski, W., Dehghani, F. (2013). Nanoscale Chemical Interaction Enhances the Physical Properties of Bioglass Composites. *ACS Nano*, 7(10), 8469-8483. <a href="http://dx.doi.org/10.1021/nn402157n">[More Information]</a>