

## Publications for Aaron Schindeler

### 2018

Daly, S., Fathi, A., Bahramian, B., Manavi Tehrani, I., McClure, D., Valtchev, P., Schindeler, A., Dehghani, F., Kavanagh, J. (2018). A green process for the purification of biodegradable poly(B-hydroxybutyrate). *The Journal of Supercritical Fluids*, 135, 84-90. <a href="http://dx.doi.org/10.1016/j.supflu.2018.01.007">[More Information]</a>

Torabian, G., Bahramian, B., Zambon, A., Spilimbergo, S., Adil, Q., Schindeler, A., Valtchev, P., Dehghani, F. (2018). A hybrid process for increasing the shelf life of elderberry juice. *The Journal of Supercritical Fluids*, 140, 406-414. <a href="http://dx.doi.org/10.1016/j.supflu.2018.07.023">[More Information]</a>

Mills, R., Cheng, T., Mikulec, K., Peacock, L., Isaacs, D., Genberg, C., Savage, P., Little, D., Schindeler, A. (2018). CSA-90 Promotes Bone Formation and Mitigates Methicillin-resistant Staphylococcus aureus Infection in a Rat Open Fracture Model. *Clinical Orthopaedics and Related Research*, 476(6), 1311-1323. <a href="http://dx.doi.org/10.1097/01.blo.0000533624.79802.e1">[More Information]</a>

Summers, M., Vasiljevski, E., Mikulec, K., Peacock, L., Little, D., Schindeler, A. (2018). Developmental dosing with a MEK inhibitor (PD0325901) rescues myopathic features of the muscle-specific but not limb-specific Nf1 knockout mouse. *Molecular Genetics and Metabolism*, 123(4), 518-525. <a href="http://dx.doi.org/10.1016/j.ymgme.2018.02.009">[More Information]</a>

Fiscaletti, M., Coorey, C., Biggin, A., Briody, J., Little, D., Schindeler, A., Munns, C. (2018). Diagnosis of Recurrent Fracture in a Pediatric Cohort. *Calcified Tissue International*, 103(5), 529-539. <a href="http://dx.doi.org/10.1007/s00223-018-0449-6">[More Information]</a>

Summers, M., Rupasinghe, T., Vasiljevski, E., Evesson, F., Mikulec, K., Peacock, L., Quinlan (nee Edwards), K., Cooper, S., Roessner, U., Stevenson, D., Little, D., Schindeler, A. (2018). Dietary intervention rescues myopathy associated with neurofibromatosis type 1. *Human Molecular Genetics*, 27(4), 577-588. <a href="http://dx.doi.org/10.1093/hmg/ddx423">[More Information]</a>

Morse, A., Cheng, T., Schindeler, A., McDonald, M., Mohanty, S., Kneissel, M., Kramer, I., Little, D. (2018). Dkk1 KO Mice Treated with Sclerostin Antibody Have Additional Increases in Bone Volume. *Calcified Tissue International*, 103(3), 298-310. <a href="http://dx.doi.org/10.1007/s00223-018-0420-6">[More Information]</a>

McDonald, M., Morse, A., Schindeler, A., Mikulec, K., Peacock, L., Cheng, T., Bobyn, J., Lee, L., Baldock, P., Croucher, P., Tam, P., Little, D. (2018). Homozygous Dkk1 Knockout Mice Exhibit High Bone Mass Phenotype Due to Increased Bone Formation. *Calcified Tissue International*, 102(1), 105-116. <a href="http://dx.doi.org/10.1007/s00223-017-0338-4">[More Information]</a>

Deo, N., Cheng, T., Mikulec, K., Peacock, L., Little, D., Schindeler, A. (2018). Improved union and bone strength in a mouse model of NF1 pseudarthrosis treated with recombinant human bone morphogenetic protein-2 and zoledronic acid.

*Journal of Orthopaedic Research: a journal for musculoskeletal investigation*, 36(3), 930-936. <a href="http://dx.doi.org/10.1002/jor.23672">[More Information]</a>

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Vasiljevski, E., Summers, M., Little, D., Schindeler, A. (2018). Lipid storage myopathies: Current treatments and future directions. *Progress In Lipid Research*, 72, 1-17. <a href="http://dx.doi.org/10.1016/j.plipres.2018.08.001">[More Information]</a>

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Schindeler, A., Mills, R., Bobyn, J., Little, D. (2018). Preclinical Models for Orthopedic Research and Bone Tissue Engineering. *Journal of Orthopaedic Research*, 36(3), 832-840. <a href="http://dx.doi.org/10.1002/jor.23824">[More Information]</a>

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McDonald, M., Morse, A., Birke, O., Yu, N., Mikulec, K., Peacock, L., Schindeler, A., Liu, M., Ke, H., Little, D. (2018). Sclerostin antibody enhances bone formation in a rat model of distraction osteogenesis. *Journal of Orthopaedic Research: a journal for musculoskeletal investigation*, 36(4), 1106-1113. <a href="http://dx.doi.org/10.1002/jor.23726">[More Information]</a>

Manavi Tehrani, I., Fathi, A., Schindeler, A., Dehghani, F. (2018). Sustained Protein Release from a Core-Shell Drug Carrier System Comprised of Mesoporous Nanoparticles and an Injectable Hydrogel. *Macromolecular Bioscience*, 18(12). <a href="http://dx.doi.org/10.1002/mabi.201800201">[More Information]</a>

### 2017

Little, D., Peacock, L., Mikulec, K., Kneissel, M., Kramer, I., Cheng, T., Schindeler, A., Munns, C. (2017). Combination sclerostin antibody and zoledronic acid treatment outperforms either treatment alone in a mouse model of osteogenesis imperfecta. *Bone*, 101, 96-103. <a href="http://dx.doi.org/10.1016/j.bone.2017.04.016">[More Information]</a>

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Morse, A., McDonald, M., Schindeler, A., Peacock, L., Mikulec, K., Cheng, T., Liu, M., Ke, H., Little, D. (2017). Sclerostin Antibody Increases Callus Size and Strength but does not Improve Fracture Union in a Challenged Open Rat Fracture Model. *Calcified Tissue International*, 101(2), 217-228. <a href="http://dx.doi.org/10.1007/s00223-017-0275-2">[More Information]</a>

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Bobyn, J., Little, D., Gray, R., Schindeler, A. (2015). Animal Models of Scoliosis. *Journal of Orthopaedic Research: a*

*journal for musculoskeletal investigation*, 33(4), 458-467. <a href="http://dx.doi.org/10.1002/jor.22797">[More Information]</a>

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Schindeler, A., Yu, N., Cheng, T., Sullivan, K., Mikulec, K., Peacock, L., Matthews, R., Little, D. (2015). Local delivery of the cationic steroid antibiotic CSA-90 enables osseous union in a rat open fracture model of Staphylococcus aureus infection. *Journal of Bone and Joint Surgery: American Volume*, 97(4), 302-309. <a href="http://dx.doi.org/10.2106/JBJS.N.00840">[More Information]</a>

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