

Brian Buckley PhD

PEER REVIEWED PUBLICATIONS and CHAPTERS

1. Cao, J., Echelberger, R., Liu, M., Sluzas, E., McCaffrey, K., **Buckley, B.**, & Patisaul, H. B. (2015). Soy but not bisphenol A (BPA) or the phytoestrogen genistein alters developmental weight gain and food intake in pregnant rats and their offspring. *Reproductive Toxicology*, 58, 282-294.
2. Zhan, L., Yang, I., Kong, B., Shen, J., **Buckley, B.**, & Guo, G. (2015). Deregulation of Bile Acid Homeostasis and Lipid Metabolism in Parenteral Nutrition Mouse Model. *The FASEB Journal*, 29(1 Supplement), 937-1
3. Wen, X., Buckley, B., McCandlish, E., Goedken, M. J., Syed, S., Pelis, R., ... & Aleksunes, L. M. (2014). Transgenic expression of the human MRP2 transporter reduces cisplatin accumulation and nephrotoxicity in Mrp2-null mice. *The American journal of pathology*, 184(5), 1299-1308.
4. Mauro, T., **Buckley, B.**, Schneider, S., Pop, C., Liu, M., Chang, B., & Shapses, S. (2015). Characterization of Serum and Urinary Zearalenone and its Metabolites (Z) and its Association with Dietary Intake. *The FASEB Journal*, 29(1 Supplement), 924-36.
5. Obiorah, M., McCandlish, E., **Buckley, B.**, & DiCicco-Bloom, E. (2015). Hippocampal developmental vulnerability to methylmercury extends into prepubescence. *Frontiers in Neuroscience*, 9, 150.
6. Mukherjee, D., Royce, S. G., Alexander J. A., **Buckley, B.**, Isukapalli, S. S., Bandera, E., Zarbl, H., and Panos G. Georgopoulos, P.G., Physiologically-Based Toxicokinetic Modeling of Zearalenone and its Metabolites: Application to the Jersey Girl Study accepted for publication PLoS One PONE-D-14-24082R2 EMID:3b25203840543d0f
7. Spayd, S. E., Robson, M. G., & **Buckley, B. T.** (2015). Whole-house arsenic water treatment provided more effective arsenic exposure reduction than point-of-use water treatment at New Jersey homes with arsenic in well water. *Science of The Total Environment*, 505, 1361-1369.
8. Wen, X., Gibson, C. J., **Buckley, B.**, Goedken, M. J., Richardson, J. R., & Aleksunes, L. M. (2014). MDR1 Transporter Protects Against Paraquat-Induced Toxicity in Human and Mouse Proximal Tubule Cells. *Toxicological Sciences*, 141(2), 475-483
9. Rodriguez-Rodriguez, L., Song, M., Muthukumaran, N., Gounder, M., Gibbon, D., Nieves-Neira, W., Vaidya, A., Hellmann, M., Goodin S. and **Buckley, B.** (2014). Abstract CT219: Selenium counteracts carboplatin drug resistance through Rad51-AP1 induction: A phase I trial in women with gynecologic cancers. *Cancer Research*, 74(19 Supplement), CT219-CT219.
10. Sahota, A., Parihar, J. S., Capaccione, K. M., Yang, M., Noll, K., Gordon, D., Reimer, D., Yang, I., **Buckley, B. T.**, Polunas, M., Reuhl, K. R., Lewis, M. R., Ward, M. D., Goldfarb, D. S. and Tischfield, J.A., (2014) Novel Cystine Ester Mimics for the Treatment of Cystinuria-induced Urolithiasis in a Knockout Mouse Model Q12, *Urology*, 84(5), 1249-e9., doi 10.1016/j.urology.2014.07.043

11. Ravit, B., Cooper, K., **Buckley, B.**, Comi, M., & McCandlish, E. (2014). Improving management support tools for reintroducing bivalve species [Eastern Oyster (*Crassostrea virginica* Gmelin)] in urban estuaries. *Integrated environmental assessment and management*, 10(4), 555-565. DOI: 10.1002/ieam.1553
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14. Wen, X., **Buckley, B.**, McCandlish, E., Goedken, M. J., Syed, S., Pelis, R., Manautou, J. E., & Aleksunes, L. M. (2014). Transgenic Expression of the Human MRP2 Transporter Reduces Cisplatin Accumulation and Nephrotoxicity in *Mrp2*-Null Mice,. *The American Journal of Pathology*, 184(5), 1299-1308.
15. Huang, L., Yu, C. H., Hopke, P. K., Lioy, P. J., Buckley, B. T., Shin, J. Y., & Fan, Z. (2014). Measurement of soluble and total hexavalent chromium in the ambient airborne particles in New Jersey. *Aerosol and Air Quality Research*, 14, 1939-1949.).
16. Richardson, J. R., Roy, A., Shalat, S. L., von Stein, R. T., Hossain, M. M., **Buckley, B.**, Geraing M., Levey, A., & German, D. C. (2014). Elevated serum pesticide levels and risk for Alzheimer disease. *JAMA neurology*, 71(3), 284-290
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19. Pavilonis, B. T., Weisel, C. P., **Buckley, B.**, & Lioy, P. J. (2014). Bioaccessibility and Risk of Exposure to Metals and SVOCs in Artificial Turf Field Fill Materials and Fibers. *Risk Analysis*, 34(1), 44-55.
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21. Yu, K., J. Ho, McCandlish, E., **Buckley, B.**, Patel, R., Li, Z. and Shapley, N., (2012) Copper ion adsorption by chitosan nanoparticles and alginate microparticles for water

- purification applications. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 425(0): 31-41 <http://dx.doi.org/10.1016/j.colsurfa..12.043>
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