

## From Classroom to Clinic: Lexie's Contribution to Equine Health Innovation at Metaboly

At Metaboly Research Group Inc (“Metaboly”), a leader in large animal health diagnostics, Lexie leverages her education at Trent University to make a meaningful impact in the veterinary sector. She immerses herself in hands-on projects that focus on innovating tools for equine horse health diagnostics. Under the supervision of co-founder and Chief Operations Officer (COO) William Kim, Lexie is an essential force in driving Metaboly's mission of analyzing and tracking environmental toxins in horses and cattle. Lexie's work has not only supported projects involving company partners and clients, but her involvement in Metaboly's bioinformatics pipeline is also accelerating the development of a large-animal toxin database - the first publicly accessible database of its kind in North America. This practical experience has enabled Lexie to hone essential skills in science from sample preparation and processing to more complex tasks like data analysis and reporting.

In addition to enhancing her technical abilities, Lexie's contributions are making a tangible impact on the veterinary field at large. Specifically, Lexie's research is helping to identify biomarkers for the early detection of toxins and diseases with the ultimate mission to improve horse welfare through preventative care. As she navigates this transformative experience, Lexie embodies the spirit of innovation and dedication that is vital for advancing science, paving the way for a healthier future for horses everywhere. Through this placement, Lexie will gain a set of valuable skills that will position herself well within the life science sector.

