

Environmental Science Seminar Series

Thursday, February 15, 2024, 4:00 – 5:00 pm, S203

TITLE

Combining genomics and metabolomics for natural product discovery

SPEAKER

Dr. Christopher Boddy, University of Ottawa

ABSTRACT

Microbial natural products play essential roles for their producing organisms including nutrient acquisition, communication, and modulation of a host or competing organism's biological processes. Discovery of new microbial natural products has proven challenging since when microbes are grown in the lab, they typically produce only a small subset of their natural products. This seminar will focus on how we are using genomics and untargeted metabolomics to identify new natural products and the genes responsible for their biosynthesis in fungi and bacteria.