Metabolomics

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Abstract

Metabolomics is the study of the small molecules present within living organisms. Metabolites are typically defined as molecules less than 1,000 Daltons. The Metabolite Profiling Facility at Purdue University is a core facility that collaborates with researchers to meet their bioanalytical needs. We perform quantitative and comparative analysis measurements of metabolites and lipids in biological systems. The facility utilizes highly sensitive mass spectrometry coupled with liquid chromatography and gas chromatography. This seminar will discuss the benefits of metabolite analysis, and highlight the workflow for conducting a quantitative and a comparative analysis experiment.

References: