



METABOLON®

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Precision Metabolomics™ - Current State and Future Plans

We will present an overview of Precision Metabolomics™, an advanced approach to metabolomics that has the sensitivity and specificity to accurately measure metabolites at a level that makes an n of 1 study in an individual practicable. This approach uses extensively controlled processes to provide data with the smallest degree of variability in the measurement (<5%) to allow precise identification of the maximum possible number of biologically relevant metabolites in a sample. The goal is to comprehensively and reproducibly map metabolism, and metabolic change induced by perturbation such as disease or treatment, with sufficient precision to produce actionable information at the level of the individual.

At Metabolon, we have put this technology into practice, with processes that are tightly regulated through infrastructure controls, documented SOPs, labelled internal standards and proprietary informatics, and the use of a tier one approach to identification of metabolites in each sample. In this presentation, we discuss the technology that is in use today that allows us to carry out n of 1 studies that enable precision medicine, show the importance of Precision Metabolomics alongside genomic studies, and discuss some of our future technology improvements to continue to expand our capabilities.

Metabolomics 2017:

Lunch Presentation - Thursday June 29th

12:35 - 13:35

Location: Meeting Room 3

Presenter:

Luke Miller, Ph.D.

Vice President, Laboratory Operations

Metabolon, Inc.



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