

3rd International Conference and Exhibition on Metabolomics & Systems Biology

March 24-26, 2014 Hilton San Antonio Airport, San Antonio, USA

Lipid profiling in clinical studies of metabolomic disease

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Both lipid and sugar metabolism play an important role in the development of metabolic disorders, cancer, inflammatory diseases and central nervous system dysfunction. Understanding these aspects of metabolism in health and disease requires analytical approaches that provide diagnostic accuracy, allowing comprehensive profiling of unique and diverse families of analytes from a wide variety of sample types. Improvements in lipid and sugar analytics have gained great momentum in recent years, and will be highlighted in this session focused on advancements in glycomics and lipidomics.

Biography

Tracy Shafizadeh received her Ph.D. in Nutritional Biology from the University of California, Davis and currently serves as Associate Director of Lipomics Services, a division of Metabolon. For the past 15 years, she has been working in the areas of personalized medicine and diagnostic development, specifically focused on the role of nutrition and metabolism in cardio-metabolic disease. Prior to joining Metabolon, she served as Product Development Manager at Tethys Bioscience, where she led the development of diagnostic tools designed to assess the risk of developing Type II Diabetes.

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