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Metabolomics in the Study of Disease

Guest Editor:

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Message from the Guest Editor

Metabolomics can be used to investigate complex diseases that affect modern society including diabetes, dementia, heart disease, and cancer. Such diseases are often associated with, and characterised by, genetic mutations, but downstream metabolic consequences are not always well understood. Metabolomics has the potential to elucidate changes in cellular metabolism that may not be predictable from genetics but that present a cellular phenotype where therapeutic interventions can have selective and targeted effects. New metabolomics methods and applications, which help us gain insight into the complexities of the disease metabolome, are of particular relevence. In this Special Issue of *Metabolites*, we will demonstrate current developments and applications for diagnosis, understanding mechanisms, and finding new treatments for disease.

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Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

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