



## Metabolomics in Human Tissues and Materials

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### Message from the Guest Editor

Large-scale metabolomics studies that use human peripheral tissues to identify biomarkers for the early prediction and/or diagnosis of disease have become very appealing due to the number of metabolites that can now be accurately measured and identified. Further, metabolomics is being incorporated into many high-impact studies that focus on the etiopathophysiology of disease due to its innate ability to provide the most comprehensive insight into any given phenotype. Moreover, metabolomics is being increasingly used in the nutritional field to determine the effects of environmental pressures on the human “ome”. This list of applications is by no means comprehensive, and as such, this Special Issue is focused on (but not limited to) highlighting the use of metabolomics in studies that use human acquired specimens to do the following: (i) identify diagnostic and prognostic biomarkers of disease; (ii) study disease pathogenesis; (iii) conduct personalized/precision medicine; (iv) identify novel therapeutic targets; and (v) determine the effect of environmental exposure (including chemical and lifestyle exposures) on the human metabolome.





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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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