Special Issue

Metabolomics in Epidemiological Studies

Message from the Guest Editor

When employed to examine biological samples, metabolomics affords epidemiologists and other investigators a means to identify novel biomarkers of disease risk, diagnosis, and prognosis. Using metabolomics, investigators can also evaluate the biological effects of environmental exposures, including both chemical and lifestyle exposures. In recent years, the application of metabolite profiling to epidemiological studies has become possible due to technological advancements in the field, allowing for large-scale population-based investigations. Although metabolomics has great potential for use in epidemiological studies, there is still a need for analytical methods to address quality control, data management, and data integration. This Special Issue highlights the use of metabolomics in epidemiological research. Specific areas include, but not limited to, are the identification of disease biomarkers and biomarkers of exposure, data integration across studies and laboratory platforms, data management, quality control, and statistical, bioinformatic, and analytical methods for large-scale studies.

Guest Editor

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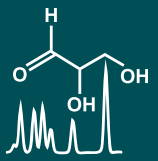

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About the Journal

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.

Editor-in-Chief

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