Special Issue

Advances in Computational Metabolomics

Message from the Guest Editors

Modern analytical methods allow simultaneous detection of hundreds of metabolites, generating increasingly large and complex data sets. Analysis of metabolomics data is a multistep process that includes data processing, normalization, identification of differentially expressed metabolites, building statistical association or classification models, as well as bioinformatics analysis to aid biological data interpretation. Many commercial and open source computational tools have been built to help to perform these data analysis tasks; however, many challenges still remain. The focus of this Special Issue is to highlight the latest advances in computational methods and software tools for the analysis and modeling of metabolomics data.

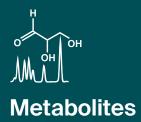### Guest Editors

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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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