



Bioinformatics in Metabolomics

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Over the past decade and a half, bioinformatics has evolved from the role of being a support science to now becoming an integral part of all areas of metabolomics. Bioinformatic-defined models and solutions are part of the entire workflow of metabolomics, starting from methodically defining and capturing an experiment using standards, managing the vast amount of high-throughput data arising from these experiments, making sense of these data using data processing and statistical analysis methods, and finally relating the findings back to the underlying question using data integration, pathway analysis and visualization models. This Special Issue focuses on bioinformatics methods, tools, systems and solutions in metabolomics. Specific areas include, but not limited to, data standards, data management solution, database systems, data processing and statistical methods, pathway analysis and visualization techniques.

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Guest Editors

keywords:

- metabolomics bioinformatics
- data processing
- statistical analysis
- data management
- database systems





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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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