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Metabolomics–Integration of Technology and Bioinformatics

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Deadline for manuscript submissions:
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Message from the Guest Editors

Metabolomics, by its very nature, is a complex multifaceted discipline. Compounding this complexity has been the dramatic rise in the number of researchers and groups approaching metabolomic technologies with their own unique perspectives, as well as the interest to answer their specific questions or explore their special hypotheses. This increase in population and diversity has prompted an increase in the publications of new methods and software tools.

In this Special Issue of *Metabolites*, we invite authors to demonstrate their tools and explore the integration of other tools with their technology developments. It is well known that some of the best software integrates many aspects of technology into its design and interface. We feel that this is a feature of some of the most interesting areas of development, and invite developers and users to exhibit these multifaceted developments. We hope to explore a range of different metabolomic technologies in LC–MS, alterative ionization sources, MALDI, and SIMS. Tools that cover later aspects of processing, such as machine learning, but include latent effects of these technology within the model or processing are also encouraged.

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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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