Special Issue

Application of Metabolomics in Clinical Neonatology

Message from the Guest Editors

Perinatal medicine and neonatology have rapidly evolved over the last few decades, contributing significantly to the reduction in neonatal morbidity and mortality. Nevertheless, despite all advancements, there are still important gaps in knowledge, making the optimal management of various clinical conditions both in preterm and term sick neonates difficult. In this context, metabolomics could be a valuable tool in the more in-depth understanding of disease(s) pathophysiology, and the development of appropriate diagnostic–prognostic biomarkers.

This Special Issue of the journal Metabolites is dedicated to the "Application of Metabolomics in Clinical Neonatology", and investigators involved in neonatal care are encouraged to present relevant research data. Moreover, similar to other research fields, there are important challenges regarding sample type selection, metabolomics platforms and analytical techniques as well as interpretation of the results. It is hoped that metabolomics—coupled with the principles of "precision medicine"—could significantly add to the management and outcome of critically ill neonates.

Guest Editors

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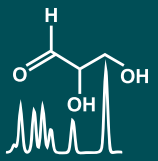

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About the Journal

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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