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Lipid Biomarkers of Infectious Diseases

Guest Editor:

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Deadline for manuscript submissions:
closed (30 May 2023)

Message from the Guest Editor

Dear Colleagues,

Molecular diagnostics provide early, rapid, and accurate detection of infectious agents. Early detection is critical for the treatment of rapidly progressing infections and for containing potential epidemics. This Special Issue will provide detailed information regarding lipidomics analyses of bacteria and fungi, which have demonstrated that they possess a number of unique lipids not present in humans or livestock, making them potential biomarkers for the presence and density of active bacterial populations. The roles of bacterial and fungal infections in disease pathology are complex and remain under intensive investigations as a result of their negative impacts on human longevity and on agricultural productivity. Lipidomics is one technology platform that offers the specificity and sensitivity to monitor active bacterial and fungal infections and their sequalae. Infectious disease lipidomics represents a new facet in the development of novel molecular biomarkers and has the potential to be utilized both for individualized medicine and for the early detection of epidemics. Manuscripts addressing these diverse issues are encouraged for submission.

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Editor-in-Chief

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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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