



Gut Microbiome and Metabolome Studies in Animal Models: Clinical, Translational, and Basic Research Applications

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Deadline for manuscript submissions:

closed (31 January 2023)

Message from the Guest Editors

This Special Issue welcomes the submission of novel research papers with an emphasis on gut microbiome and metabolome studies in animal models. Topics that will be covered include (but are not limited to) basic, pre-clinical, and clinical research studies using animal models in the following aims:

- i. To understand the role(s) of the gut microbiome and metabolome in the prevention and treatment of infectious and/or chronic diseases.
- ii. To assess the utility and feasibility of gut microbiome and metabolome endpoints, including biomarkers, in clinical veterinary diagnostics.
- iii. To evaluate novel therapeutics in animals that work via modulation of the gut microbiome and metabolome, including biologic therapeutics (e.g., probiotics, prebiotics, synbiotics, bacteriophages, etc.).

Neither in vitro nor ex vivo models will be considered in this Special Issue. Additionally, studies that only present metabolomic data without concurrent microbiome analysis will not be considered.





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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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