

## Special Issue

# Gut Microbes and Gut Metabolites

### Message from the Guest Editor

Interventions can provide microbes or foods/supplements with components such as flavonoids, phenolic compounds or non-digestible carbohydrates in the diet with the aim of effecting positive changes in the gut microbiota. Several general mechanisms have been established by which the gut bacteria or their major products can affect aspects of the host's biology. However, the mechanisms by which specific probiotics or prebiotics act are much less established. Some of the microbial metabolite products and endogenous metabolites related to energy pathways and those involved in digestion have the capacity to interact with the microbiome, leading potentially to a net positive balance in health or at least to a sustainable homeostasis. In vivo and in vitro studies on host metabolism and involvement of microbiota will be particularly welcome. This special issue will display the latest results in nutritional metabolomics/lipidomics and review the current developments while providing the readers with an exciting prospect of new possibilities in preventive medicine and precision nutrition research.

### Guest Editor

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### Deadline for manuscript submissions

closed (30 April 2021)



## International Journal of Molecular Sciences

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Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



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*International Journal of  
Molecular Sciences*  
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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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