



Gastroenterology Research and Practice

Special Issue on
**Metabolic Crosstalk between the Host and
Microbiome**

CALL FOR PAPERS

The human intestine harbors the majority of the body's microbes. This so-called microbiota has coevolved with man to perform various beneficial functions; these extend beyond the gastrointestinal tract, immune development, metabolism, and food preferences to influence brain development, stress responses, pain, and behavior. Moreover, the trillions of bacteria that make up the human microbiome, through the digestion of specific food material, produce metabolic by-products, which have the properties of medicinal drugs and their effects modulate the host response. Understanding the diverse and complex host-microbiota interactions remains the focus of research in this domain to date as it is central to our ability to treat the expanding repertoire of human diseases that are associated with changes in the microbiota and its metabolites.

As new evidence that supports a crucial role of endogenous bacterial metabolites in the connection between the gut microbiome and host health and disease continues to arise, this journal announces a special issue that aims to explore the potential impact of the metabolic crosstalk between the gut microbiota and the host. With this special issue, our goal is to contribute to a significant expansion of the knowledge base of how the gut microbiome may impact the human health but also the incidence and treatment of human diseases, with regard to mechanisms, associations, treatments, or other topics. We are soliciting manuscripts including original research articles and review articles.

We are especially interested in communications that focus on the impact of human milk oligosaccharides on the establishment of microbiome as well as communications that describe efforts to expand the array of treatments of human diseases by impacting the microbiome.

Potential topics include, but are not limited to:

- ▶ Metabolic crosstalk between host and microbiome
- ▶ Influence of diet and dietary components on the microbiome
- ▶ Microbiome to brain crosstalk

Authors can submit their manuscripts via the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/grp/mchm/>.

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Manuscript Due

Friday, 21 October 2016

First Round of Reviews

Friday, 13 January 2017

Publication Date

Friday, 10 March 2017