Message from the Guest Editor

Dear Colleagues,

The gut microbiota encompasses bacteria, archaea, fungi, viruses, and protozoans residing in the lumen and mucus layers of the small intestine and colon. There is rapidly growing recognition of the importance of the combined metabolic activity of the gut microbiome, which acts on dietary and host-derived inputs, for host physiologic processes across organ systems. This includes but is not limited to digestion/absorption, gastrointestinal motility, drug metabolism, immune responses, glucose homeostasis, lipid storage, and even behavior. Perturbations of the microbiome have the potential to alter these physiologic relationships in ways that can contribute to pathophysiology in diverse disease states, including gastrointestinal, metabolic, inflammatory, oncologic, and neurobehavioral disorders.

For this Special Issue, we invite the submission of articles that address the role of the gut microbiota in regulating the physiologic properties of their host in health and disease settings. We welcome original research articles and review articles addressing topics within this theme using data derived from either human or animal model studies.

Dr. Jonathan Jacobs
Editors-in-Chief

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Message from the Editorial Board

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