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## Diet, Nutrition, Microbiota and the Gut-Brain Axis

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### Message from the Guest Editor

Dear Colleagues,

The immune, nervous, and endocrine systems of the gastrointestinal tract do not function in isolation. Instead, they work in conjunction to maintain body homeostasis via perfectly orchestrated functional crosstalk. In this elegant system, the gut microbiota plays a vital role in the gastrointestinal ecosystem, mediating the bidirectional signaling between the gastrointestinal tract and the brain (the so-called *gut-brain axis*). The communication pathways along this axis include interactions between peptides, lipids, microbial metabolites, and the gut microbiota itself.

Therefore, it is with a great pleasure that we organize this Special Issue covering the fascinating theme of *Diet, Nutrition, Microbiota, and the Gut-Brain Axis*. Our goal is to deepen our knowledge of multi-tissue crosstalk, as this is essential for a better understanding of body homeostasis in health and disease.



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**Special** Issue



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