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The Role of the Gut Microbiota in Inflammation and the Potential for Manipulation

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Message from the Guest Editor

Over the last decade, the field of microbiome research has exploded and our knowledge of the importance of the gut microbiome to intestinal health and wellbeing has increased significantly. The overall balance of the composition of the gut microbiota, as well as the contribution of key species and their metabolic by-products, is important in ensuring health, with microbiome disturbances being associated with the development of a range of diseases including nutrition-related disorders and chronic inflammation, inflammatory bowel disease (IBD), obesity, and metabolic syndrome.

This Special Issue will focus on the influence of the gut microbiota on intestinal health and the development of inflammation, and the possibility to therapeutically manipulate this relationship, with a specific focus on using functional food ingredients and dietary interventions to promote health. The aim of this Special Issue is to bring together recent research on these topics. Manuscripts that provide novel and mechanistic insights into the role of the microbiota in inflammation are encouraged.



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