



Human Gut Microbiome and Diet in Health and Diseases

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Message from the Guest Editor

Dear Colleagues,

Prudent dietary practices and quality are important lifestyle factors concordant with human health. The intestines present the largest interface between the internal and external environment. Subsequently, the gastrointestinal tract harbors the largest biomass and concentration of bacteria. Additionally, resident in the intestines is an extensive mucosal immune and host immuno-modulation network, as well as a nutrient metabolism site that maintains the integrity of the gut architecture and microbiome, facilitating control of pathobiont influences. The inter-relationships between dietary practices, the gut microbiome and maintaining local mucosal immunity activities in equilibrium are critical signals for health maintenance and longevity.

Prof. Dr. Luis Vitetta
Guest Editor





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