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Connection between Microbiome, Lifestyle and Diet

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Message from the Collection Editors

Over the past 10 years, microbiome research has yielded tremendous insights into the composition of the gut microbiome and has identified possible associations between the gut microbiome and several nutrition- and/or lifestyle-related diseases. A growing body of evidence suggests that the intestinal microbiome modulates the risk of several chronic diseases. Dietary habits and nutrient composition influence the chronic disease risk and modulate the composition and function of the gut microbiome. However, detailed knowledge on the relationship between the diet, the microbiome, and chronic disease risk is still limited. Many confounding factors influence the associations of the gut microbiome with disease and require large study groups to determine a more direct relation. Through this Special Issue, we aim to provide a collection of authoritative updates on the association between health, nutrition and the body's microbiota, which represents a rapidly developing field, addressing the topic from multiple aspects and involving scientists specialized in different fields of health- or disease-associated microbiology, immunology and nutrition research.



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Topical Collection



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