



The Role of Microbial Dysbiosis in Chronic Age-Related Diseases and Dietary Interventions

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Message from the Guest Editor

This special issue entitled “The Role of Microbial Dysbiosis in Chronic Age-related Diseases and Dietary Interventions” seeks to foster a discussion on the host-microbe mechanisms that facilitate chronic age-related disorders such as hypertension, diabetes, cardiovascular disease, obesity, and chronic kidney diseases that often exist as co-morbidities. Past work in this area has shown a number of ways in which the diet interacts with the microbiome to produce metabolites that facilitate atherosclerotic plaque accumulation, vascular calcification, chronic inflammation, and other disease. However, the common elements that link diet, microbiome, and chronic age-related renal disorders remains unclear. Such mechanistic insight is important to guide dietary interventions that can be tailored to an individual’s own microbiome to minimize the risk of chronic disease. As such, this special issue invites original research articles and comprehensive reviews focused on the topic of diet-induced changes to the microbiome that facilitate chronic conditions with special emphasis on dietary interventions that may prevent the onset of disease.





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