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Metabolic Features and Nutritional Interventions in Chronic Diseases

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Message from the Guest Editors

Dear Colleagues,

Emerging evidence indicates an extensive metabolic dysfunction in many chronic diseases, comprising aging, cancer and diseases affecting cardiovascular system, liver and kidney. The phenotypes associated with metabolic dysfunction vary depending on disease type. In turn, altered metabolism drives disease pathology. Consequently, nutritional modulation of metabolic status in chronic disease is widely acknowledged to reduce disease incidence. For instance, tailored nutritional intervention in cancers with altered metabolism determines the improved therapeutic responses. Mechanistically, nutritional supports modulate metabolism through mitochondria, immuno-regulation and epigenome regulation to impact disease progression.

This Special Issue aims to be an interdisciplinary platform covering:

1. Characterization of metabolic features or nutritional requirement in a certain chronic disease;
2. Defining effects and mechanism of a specific nutrient or nutritional intervention on metabolism;
3. Development of new nutritional strategy improving disease outcome by altering metabolism.

We invite well-designed research articles, reviews and meta addressing the above issues.



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Special Issue



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