

Special Issue

The MicroRNAs in the Pathophysiology of Chronic Diseases

Message from the Guest Editors

MicroRNAs (miRNAs) are a class of small non-coding RNA molecules. miRNAs block translation and/or promote mRNA degradation by binding to the 3'-untranslated regions of messenger RNAs. A consistent body of literature has acknowledged the key role of miRNAs in a wide range of physiological and pathophysiological processes, including cancer, cardiovascular diseases, metabolic disorders and neurodegenerative diseases.

This Special Issue welcomes original research and critical reviews on the role of miRNAs (long non-coding RNAs; circular-RNAs are also accepted) in physiological and pathological processes. The topics of this Special Issue include but are not limited to the following: i. the molecular mechanisms and regulatory pathways influenced by non-coding RNAs; ii. the prognostic and therapeutic relevance of these molecules and iii. their role in chronic diseases (such as cancer, cardiovascular disease, neurological diseases, immune-related diseases and metabolic disorders) and in response to unhealthy habits and environmental stressors.

Guest Editors

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