

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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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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