# **Special Issue**

# Non-Coding RNA in Physiology and Pathophysiology: Second Edition

# Message from the Guest Editor

Non-coding RNAs (ncRNAs) are a class of non-proteincoding transcripts widely expressed in mammalian cells with a tissue- and cell-specific distribution pattern. NcRNA mainly includes microRNA (miRNA), long noncoding RNA (IncRNA), and circular RNA (circRNA). The dysregulation of ncRNAs has been implicated in a wide variety of pathological conditions, including pain. senescence and degenerative disease such as cardiometabolic disease, cancer, and neurodegenerative disorders. The functions of ncRNAs in pathogenesis are unique for each disorder, as are the pertinent networks of ncRNA/miRNA/mRNA that mediate these functions. This Special Issue aims to collect novel findings on molecular mechanisms related to ncRNA function in physiological and pathological conditions. Bioinformatics studies that explore how data analysis and computational technologies can reveal new targets for the implementation of innovative therapeutic strategies are also encouraged. Original research articles, up-to-date reviews, and commentaries are all welcome.

#### **Guest Editor**

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## Deadline for manuscript submissions

20 August 2025



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# Message from the Editor-in-Chief

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## **Editor-in-Chief**

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