



## Conceptual Breakthrough of Noncoding RNAs in Biomedicine

Guest Editor:

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Deadline for manuscript  
submissions:

**closed (30 April 2023)**

### Message from the Guest Editor

This Special Issue aims to collect high-quality papers addressing the concept of the noncoding RNA (ncRNA) functional system and its role in biomedicine. The conventional understanding of ncRNA functions is largely derived from protein-driven systems derived from organisms with limited noncoding regions, such as *E. coli* and yeast. Recent big data studies revealed that ncRNAs possess a unique functional system distinctive from the protein-based system, and proteins only work in the normal physiological state, whereas ncRNAs play much broader, critical roles than originally thought when coping with a wide array of abnormal physiological states such as cancers. The protein-based concept of ncRNA function is inappropriate for understanding their roles in biomedicine. New breakthrough concepts have become critical in advancing our understanding of ncRNA functions.





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## Message from the Editor-in-Chief

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