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MicroRNAs and Complex Disease: Prevention, Diagnosis, Treatment, and Mechanism

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Message from the Guest Editor

Dear Colleagues,

microRNAs (miRNAs) are small noncoding RNA molecules that mainly function as gene regulators at the posttranscriptional level. Increasing evidence has shown that miRNAs have critical roles in almost all important biological processes, and thus their dysfunction are associated with a large number of human diseases. Therefore, they show great potential in the prevention, diagnosis, treatment, and mechanisms of complex diseases. Although significant advances have been made, there are many challenges in investigating the roles of miRNAs in disease formation and development, disease prevention, diagnosis, and treatment. In this Special Issue, we are inviting reviews, perspectives, and original research articles to address some of these challenges. Topics will include, but are not limited to, miRNA function, mechanisms, biomarkers, targets, disease treatment, computational biology and bioinformatics.



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Special Issue



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Message from the Editor-in-Chief

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