

Special Issue

New Regulators and Modulators of MicroRNA

Message from the Guest Editor

The role of microRNAs in the biological and clinical worlds has advanced tremendously in the past decade. There is now a much better understanding of their biogenesis, regulation, and function. Current research has gone beyond just measuring differential expressions of microRNAs in diseased versus normal conditions. Research has shown ways of manipulating microRNAs as diagnostic and prognostic tools. New areas of research are highlighting conditions where there is cross-talk between microRNAs and other epigenetic pathways such as DNA methylation or histone modifications. With the current interest in microbiomes, there are also suggestions of gut microbes regulating microRNAs or in turn being regulated by microRNAs. Exciting new findings have been made in the microRNA research field, and hence we have decided to revisit our Special Issue focus on “New Regulators and Modulators of MicroRNA”. Potential topics include, but are not limited to, the following:

- MicroRNAs as disease markers: the latest advances
- MicroRNA regulation and editing
- MicroRNA regulation of other epigenetic pathways
- MicroRNAs in aging
- MicroRNAs and gut microbiomes
- MicroRNA and redox stress

Guest Editor

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Message from the Editor-in-Chief

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