

Special Issue

Circulating Non-coding RNAs as Diagnostic and Prognostic Markers of Human Diseases: 2nd Edition

Message from the Guest Editors

Circulating non-coding RNAs (ncRNAs), including microRNAs, long non-coding RNAs, and PIWI-interacting RNAs, are a class of stable RNAs that do not encode proteins, which can be detected in body fluids, including blood and urine. Several ncRNAs regulate several cellular functions, such as proliferation, apoptosis, and cell cycle progression. NcRNAs have been reported to contribute at various levels of disease pathogenesis, ranging from causative players to modifying factors. Inevitably, their role in human diseases has become apparent. Additionally, emphasis has been given to the role of these molecules as diagnostic, prognostic, and even therapeutic biomarkers of human diseases. Despite the initial difficulties on that front, due to the high intra- and intervariability, many of these discoveries are currently reaching the clinic. In the era of personalized medicine, elucidating the multifaceted role of ncRNAs in human diseases is considered of utmost importance. This Special Issue invites submissions of original papers and reviews that cover recent advances in the application of ncRNAs as prognostic and diagnostic biomarkers of human diseases and other related subjects.

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