

Special Issue

The Roles of RNA (Coding and Non-coding) in Human Disease

Message from the Guest Editor

RNA plays a multifaceted role in human disease, influencing pathogenesis at various levels. Beyond its fundamental role in protein synthesis, RNA is being increasingly recognized for its regulatory functions, impacting gene expression and cellular processes. Coding RNA and non-coding RNA represent two broad categories of RNA molecules with distinct roles in cellular processes. RNA's utility as a biomarker for disease diagnosis and prognosis is expanding, given its differential expression profiles in various conditions. Moreover, understanding RNA's functional nuances provides insights into disease mechanisms, offering potential therapeutic targets. Innovative RNA-based therapies, such as RNA interference and antisense oligonucleotides, hold promise for precision medicine by targeting specific disease-related RNA aberrations. Unraveling the complex interplay of coding and non-coding RNA in human diseases not only refines diagnostic approaches but also opens avenues for developing novel, targeted therapeutics. In this Special Issue, we welcome the submission of research articles and full reviews.

Guest Editor

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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