

Special Issue

RNA Biology and Diseases

Message from the Guest Editor

Advances in RNA biology have changed our perception of RNA beyond its classical role as merely a messenger between DNA and proteins. In recent decades, the collection of RNA species has expanded, and we have identified new mRNA modifications and uncovered a new layer of gene expression. It is now clear that RNA regulates gene expression during cell differentiation, embryonic development, and normal growth. Tipping the fine regulation of gene expression by RNA is implicated in developmental impairment and disease states.

Moreover, technological advancements further expand our knowledge, and it has also allowed us to harness RNA for new therapeutic avenues, opening new horizons in treatments of rare diseases, the rapid development of immunizations and tailored cancer therapy. This Special Issue of *Genes* titled 'RNA Biology and Diseases' will bring together cutting-edge comprehensive research on new roles of RNA in cellular processes, as well as reviews that will present new perspectives in the field. This Issue will illuminate the multifaceted roles of RNAs in both health and disease.

Guest Editor

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Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised. Why not consider *Genes* for your next genetics paper?

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