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RNA Chemical Biology

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Deadline for manuscript
submissions:

closed (20 October 2022)

Message from the Guest Editor

Our view of RNA has dramatically changed. While it was initially believed to be a passive messenger in genetic information transfer from DNA to protein, it is currently considered an exciting and underexplored functional molecule, which plays key roles in numerous biological processes in both normal and diseased cells. RNA chemical biology has emerged as one of the most influential research areas to revolutionize our fundamental understandings of life and the development of new RNA-based and RNA-targeted molecular tools and therapeutics, exemplified by the widely used RNA-guided genome editing tools and mRNA-based vaccinations to treat SARS-CoV-2 and other viral infections.

In this Special Issue, we welcome reviews, new methods and protocols, and original research articles covering many aspects of RNA chemical biology, highlighting how chemistry can contribute and add new frontiers to the research of RNA biology. These topics include but are not limited to RNA chemistry, RNA-based molecular tools, RNA or ribonucleoside-based therapeutics, RNA chemical modifications, RNA sequencing and structures, molecular dynamic simulation, RNA targeting and cleavage strategies, etc.



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Special Issue



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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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