

Special Issue

Molecular Regulation and Mechanism of Ribonucleoprotein Complexes

Message from the Guest Editor

Ribonucleoprotein complexes (RNP) are essential in all cellular life forms: Bacteria, Archaea, Eukaryotes and even in non-cellular infectious agents – RNA viruses. Ribonucleoprotein complexes consists of ribonucleic acids and RNA-binding proteins. There are huge RNP complexes such as RNA viruses, vault complex, ribosome, spliceosome, heterogeneous ribonucleoprotein particles (hnRNP) and smaller ones: telomerase, replicase, RNase P, aminoacyl-tRNA synthetases and etc. These complexes have important biological roles in replication of RNA viruses, cellular transcription and translation, post-transcriptional and post-translational modification and also regulation of these processes. For Special Issue «Molecular Regulation and Mechanism of Ribonucleoprotein Complexes» of IJMS, we are interested the recent advances in the area of structural organization, mechanisms of function, assembly and transport RNPs, and also regulation of processes involving ones. The knowledge and understanding of these fundamental processes is essential for the fight against aging, genetic diseases and antibiotic resistance, for improving anticancer drugs and an antiviral therapy.

Guest Editor

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Message from the Editor-in-Chief

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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