

Special Issue

Biophysical Study of the Structure, Dynamics, and Function of Nucleic Acids

Message from the Guest Editors

Nucleic acids play an important role in all biological processes related to genetic information such as replication, transcription, translation, repair, and recombination. Over the years, biophysical tools such as X-ray crystallography, NMR spectroscopy, and cryo-EM have been employed to study the structure of nucleic acids to understand their biological functions. In addition, biophysical studies of the dynamic features of nucleic acids should be conducted, because their less populated conformations can contribute to folding, stability, and biological functions. Recently, many experimental and theoretical approaches have been reported to understand the correlation between the structure and dynamics of nucleic acids and their biological functions. This Special Issue will introduce new interesting developments in the field of structure and dynamics of nucleic acids and complexes with target proteins.

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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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