

Special Issue

Impacts of Molecular Structure on Nucleic Acid-Protein Interactions

Message from the Guest Editors

Interactions between nucleic acids and proteins are some of the most important interactions in biology. We aim to cover important and new aspects of protein binding to sequence-specific nucleic acid targets, with emphasis on interactions that involve non-canonical DNA structures, such as G-quadruplexes, i-motifs, triplexes, and cruciform structures. We welcome contributions that involve biophysical, biochemical, and molecular biological, as well as bioinformatics, approaches for analyses of these systems. Authors are invited to submit original research in all areas of protein–nucleic acids research and/or reviews of recent work in this area. Topics considered to be appropriate include all impacts of non-canonical structures of nucleic acids, from biological activity to structure, from detection methods to their protein targeting, providing molecular insight and novel physiological and pathological functions or regulatory mechanisms of non-canonical DNA structures and their protein recognition. Submitted papers can refer to in vitro studies or can involve any cellular system or model organism.

Guest Editors

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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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