

Special Issue

Advances in Targeting Canonical and Non-canonical Nucleic Acids Structures

Message from the Guest Editors

In this Special Issue, we invite the submission of short communications, original research articles, and reviews focusing on the biophysical determination and regulation of canonical and noncanonical nucleic acid/protein complexes, including, among others, histones or histon-like proteins, transcription factors, and repair and duplication enzymes. The interaction of small molecules/metal complexes with canonical/noncanonical nucleic acid structures, as well as the effect of DNA lesions on the molecular structure, will also constitute a particular focus of this issue. Moreover, research contributions combining molecular modeling along with experimental structural, photophysical, and molecular biology techniques (e.g., Cryo-EM, X-ray, UV-Vis spectroscopy, circular dichroism, FRET, fluorescence analyses, etc.) able to synergically shed light into the drug/target binding mechanism are particularly welcomed.

Guest Editors

Dr. Angelo Spinello

Prof. Dr. Giampaolo Barone

Dr. Antonio Monari

Deadline for manuscript submissions

closed (30 June 2022)



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About the Journal

Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 29th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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