Topical Collection

New Frontiers in Nucleic Acid Chemistry

Message from the Collection Editors

Synthetic oligonucleotides have become essential tools for biological, biomedical, and nanotechnology researches and have also shown promising results in therapeutics and diagnostics. Novel oligonucleotide derivatives with tailored properties are being continuously developed to obtain potential drugs or drug delivery agents, biosensors, diagnostic agents, etc. Along with this development, nucleic acid research is taking new directions as well: synthesis and applications of even more complex molecules, like synthetic RNA analogues, highly informative analytical methods, study of higher-order structures, and investigation of molecular electronic devices based on smart, self-assembling oligonucleotide analogues, to name just a few. The Topical Collection of *Molecules*, "New Frontiers in Nucleic Acid Chemistry", will concentrate on the latest developments in nucleic acids chemistry. We cordially invite all the researchers involved in this exciting field to contribute to the continuing success of the Topical Collection "New Frontiers in Nucleic Acid Chemistry".

Collection Editors

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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 30th 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.

Editor-in-Chief

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