

Special Issue

Oligonucleotides-Based Therapeutics

Message from the Guest Editor

Antisense oligonucleotides and small interfering RNAs are widely used tools to regulate sequence-specifically gene expression. Although envisaged early on, clinical developments turned out more difficult to implement and the first successes have been documented only in the last few years. More recently, other nucleic acids-based strategies to regulate (or promote) gene expression have been proposed, including micro RNAs (or miRNA antagonists), splice switching oligonucleotides, immune-regulating oligonucleotides and messenger RNAs. Several FDA-approved drugs as well as promising clinical trials for the treatment of several diseases or for vaccine development have emerged. Reviews and original research articles dealing with fundamental research, the improvement of pharmacological properties (specificity of target recognition and delivery in particular), as well as pre-clinical development and clinical applications will be welcomed.

Guest Editor

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Deadline for manuscript submissions

closed (30 June 2021)



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Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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