

Special Issue

Chemically Modified Antisense Oligonucleotides: Promising Tools for the Therapy of Diseases

Message from the Guest Editors

Antisense oligonucleotides (AONs) have been widely studied as regulators of gene expression by their direct interaction mainly with RNA or RNA regulating molecules. During the last 20 years, AONs have shown to have the potential to treat various diseases, such as cardiovascular diseases, diabetes, cancer, neurological diseases, and muscular dystrophies. Nevertheless, several drawbacks have been identified towards this way. Introduction of chemical modifications to AONs have shown to be beneficial in several cases, providing among other things, resistance to nucleases, stability, and increased target affinity. I would like to welcome you to submit articles and reviews on chemically modified AONs against diseases.

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Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

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