

Special Issue

Splicing Modulators Which Affect Gene Expression

Message from the Guest Editor

Pre-mRNA splicing is one of the most important mechanisms for accurate gene expression in eukaryotic cells. More than 90% of human genes consist of exons and introns. Consequently, aberrations in splicing machineries cause not only a decrease of spliced mRNA which is the template for translation, but also accumulation of pre-mRNA which might be translated into truncated, aberrant proteins. Such a perturbation of gene expression results in several diseases in some cases. In recent years, splicing modulators including small chemical compounds and antisense oligos attract attention because of their therapeutic potential. However, there are not many such splicing modulators with therapeutic activity. To cure a broad range of splicing-related diseases, more novel modulators and a deeper understanding of such modulators will be required. Papers related to the screening of novel splicing modulators, identification of molecular targets of modulators, as well as investigating mode of action of modulators, will be considered for this Special Issue.

Guest Editor

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