



## Transcriptional Therapy and Nucleic Acid-Based Therapeutics: From Molecular Targets to Preclinical Studies: 2nd Edition

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Deadline for manuscript  
submissions:

**closed (20 May 2024)**

### Message from the Guest Editor

Dear Colleagues,

The exponential growth of genomic information has become crucial to develop new treatments based on molecular tools able to transcriptionally or post-transcriptionally modify the expression of coding and non-coding RNA. To date, antisense oligonucleotides, aptamers and RNA interference, and CRISPR/Cas9 systems are the most common tools used for transcriptional therapy, and some of these tools have been approved by regulatory authorities for the therapy of diseases such as age-related macular degeneration, Duchenne muscular dystrophy, and spinal muscular atrophy. These approaches are exciting and advantageous for both monogenic and polygenic diseases. In the latter case, autoimmune and inflammatory diseases, neurological diseases, cancer, metabolic syndrome, and obesity represent the areas in which transcriptional therapy and nucleic acid-based therapeutics are continuing to expand.

This Special Issue will gather papers reporting on investigations focused on concepts, interpretations, and experiments concerning nucleic acid-based therapeutics, ranging from the identification of molecular targets to their application in preclinical studies.





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## Message from the Editor-in-Chief

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