



## Ribonucleotides in Genomic DNA: Molecular Mechanisms and Biological Implications

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### Message from the Guest Editor

Dear Colleagues,

Initiating a scientific exploration, this Special Issue of the *International Journal of Molecular Sciences* is devoted to investigating the multifaceted landscape of “Ribonucleotides in Genomic DNA”, elucidating their molecular intricacies and far-reaching biological consequences. Our objective is to spotlight enzymatic processes dictating ribonucleotide incorporation, emphasizing pivotal players such as DNA polymerases and ribonucleotide reductase. This Special Issue aims to illuminate ribonucleotide excision repair mechanisms safeguarding genomic integrity and address the delicate balance contributing to genome stability. Special attention is provided to the functional dynamics of ribonucleotides in DNA, revealing their role in influencing DNA structure and inducing mutations. This call to action is extended to solicit both research articles and insightful reviews that collectively contribute to a comprehensive elucidation of the sources, functions, and consequences of ribonucleotides in genomic DNA.





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## Message from the Editor-in-Chief

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