

Special Issue

The Role of Histone Modifications, Variants and Mutations in Gene Regulation and Human Diseases

Message from the Guest Editor

Histones are small nuclear proteins that are required for packaging genomic DNA into the nucleus. Importantly, histones also serve as epigenetic elements for gene regulation without changing the DNA sequence. Recent studies of the K-to-M oncohistones of histone H3 and the other missense histone mutations in H2B and H4 demonstrated that histones play a significant role in maintenance of the genome's stability. This Special Issue "The role of histone modifications, variants and mutations in gene regulation and human diseases" aims to provide new insight into the gene regulation functions of different histone modifications and variants in gene regulation and the mechanisms of different oncohistones in human diseases. Authors are invited to submit original research and review articles related to these subjects.

Guest Editor

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