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# **Epigenetics and Beyond: New Advances in Drug Discovery**

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### Message from the Guest Editors

Dear Colleagues,

Epigenetics studies heritable or acquired changes in gene expression. Changes are caused by non-genetic mechanisms without alterations in gene structure or sequence. Typical mechanisms are histone modifications, DNA methylation, and chromatin remodelling, which are essential in the regulation of many physiological processes. Alterations in these mechanisms can have implications in a number of cancers, as well as in immunological and neurodegenerative conditions. Several targets have emerged as tools to treat different diseases. Among these targets, histone deacetylases (HDACs), histone acetyltransferases (HATs). histone methyltransferases (HMTs), histone demethylases (KDMs), protein kinases (PTKs), protein phosphatases (PPs), ubiquitin ligases and deubiquitinating enzymes (DUBs) are druggable and offer the opportunity to study different diseases, including infectious diseases. In this context, we welcome review articles and original articles from chemical and biological points of view, ranging from drug discovery to biological/pharmacological studies, in order to fully cover topics related to the molecular sciences.









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#### Message from the Editor-in-Chief

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