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Epigenetic Drugs

Guest Editor:

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Deadline for manuscript
submissions:

closed (15 December 2021)

Message from the Guest Editor

Dear Colleagues,

Many diseases (e.g., cancer, diabetes, heart, mental, and autoimmune diseases) are associated with epigenetic aberrations including DNA methylation, histone post-translational modifications, chromatin remodeling, and regulatory RNA. Until now, the DNMT inhibitors 5-azacytidine and 5-aza-20-deoxycytidine and the HDAC inhibitors belinostat, panobinostat, romidepsin, vorinostat have been approved by the FDA for the treatment of various cancers. Many of these drugs suffer from high toxicity, rapid metabolism, poor bioavailability, and limited effectiveness in monotherapy. However, in combinatorial therapy, they can be beneficial to patients. In this Special Issue, we would like to invite the submission of manuscripts containing new findings, which may contribute to the design and use of new epigenetic drugs with improved activity, functional significance of different epigenetic drugs (or candidates)-induced signaling pathways and their clinical implications, improvement of the new drugs selectivity, identification of new molecular targets of epigenetic drugs and their clinical significance, and potential combined epigenetic therapies.



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Special Issue



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Message from the Editor-in-Chief

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