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Histone Deacetylase Inhibitors in Disease

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Deadline for manuscript
submissions:

closed (20 June 2022)

Message from the Guest Editor

We are pleased to invite you to submit original articles to a Special Issue entitled *Histone Deacetylase Inhibitors in Disease*. Histone deacetylases (HDACs) are the crucial enzymes that catalyze the deacetylation of the lysine residues of histone and non-histone proteins and execute epigenetic genome expression and post-translational modification of transcription factors for regulating fundamental cellular processes. In particular, the histone acetylation homeostasis is dysregulated and impaired in the development of cancers and neurodegenerative and inflammatory diseases. HDAC inhibitors (HDACi), with their actions of hyperacetylation, have shown potential for the treatment of diverse diseases. Due to the important role of HDACs in different biological processes, their dysregulation or malfunction may cause several pathological conditions and diseases.

The goal of this Special Issue is to collect original research papers that explore the role of HDACs in human diseases and highlight the therapeutic uses of these novel HDACi.



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Special Issue



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Message from the Editorial Board

Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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