

Special Issue

Bromodomains: A New Target Class for Drug Development

Message from the Guest Editors

Bromodomains have enormous potential as targets for novel therapeutic development in cancer. An explosion of interest in these proteins was facilitated by the establishment of small molecule inhibitors with great selectivity and potency both in vitro and in vivo. On the basis of these promising early results, BET inhibitors have entered human clinical investigations for the treatment of different cancers and other diseases (Alqahtani et al., 2019). Next-generation compounds targeting BET bromodomains have been generated using proteolysis-targeted chimera (PROTAC) chemistry, in order to induce targeted degradation of BET proteins (Winter et al., 2015). In parallel, further non-BET bromodomains have been identified as targets for novel therapy in cancers and other diseases. This Special Issue will focus on recent advancements in understanding bromodomain function, ranging from structure to function, and identifying opportunities for drug development for this intriguing class of proteins.

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We hope to handle your contribution to *Pharmaceuticals* soon.

Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

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