

Special Issue

Drug Design, Synthesis, and Activity Studies of Diseases

Message from the Guest Editors

Numerous new design ideas and strategies for the development of small molecule drugs have emerged, including targeted protein degradation (TPD), ADC, AI-based drug design, and so on. Among them, TPD has become a promising frontier in the discovery and development of innovative therapeutics, especially for proteins without ligands or lacking enzymatic function. The rise of this novel technology has to some extent resolved the difficulties faced by small molecule inhibitors. As a pharmacological strategy, TPD might destabilize proteins by hijacking the intracellular proteolysis machinery. At present, many protein degraders, PROTAC, and molecular glue are in the clinical research stage. We believe that in the near future, PROTAC will soon be launched for the treatment of various diseases. This Special Issue will focus on the latest processes and strategies in the field of drug design, synthesis and activity study for disease, especially for the study of TPD.

Guest Editors

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Editor-in-Chief

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