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Small-Molecule Modulators Targeting Emerging Therapeutic Pathways: Design, Synthesis and Biological Evaluation

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

In the post-genomic era, the therapeutic modalities of human diseases have evolved dramatically. Small-molecule modulators used to be the standard option for defined therapeutic pathways; however, antibodies, nucleotide-based drugs, and cell-based therapies are attracting increasing amounts of attention. Many novel therapeutic targets are emerging driven by advancements in biologic and clinical research, providing new opportunities for small-molecule modulators. In addition, specific cellular protein(s) can now be selectively degraded in the presence of rationally designed PROTACs and/or molecular glues, while small-molecule modulators of human immunity also show great therapeutic promises in human clinical trials. Notwithstanding, small-molecule modulators of enzymes are still a fruitful area of research delivering numerous marketed drugs.

In view of the dynamic evolution of small-molecule modulators targeting emerging therapeutic pathways, this Special Issue welcomes original research concerning their design, synthesis and biological evaluation.

Prof. Dr. Yujun Zhao
Guest Editor

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Message from the Editor-in-Chief

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