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Emerging Anti-cancer Therapeutics and Cancer Drug Resistance

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Message from the Guest Editors

During the past two decades, anti-cancer therapy has evolved from traditional cytotoxic chemotherapy to selective targeted therapy and antibody-based cancer immunotherapy that target not only the cancer cells, but also the cancer microenvironment. Novel anti-cancer therapeutics, such as covalent inhibitors, proteolysis targeting chimeras (PROTACs), antibody-drug conjugates (ADCs) and chimeric antigen receptor (CAR) T-cell therapy, have ushered in a new era of cancer medicine. This Special Issue aims to cover research topics on emerging anti-cancer therapeutics such as innovative targeted therapies, novel immunotherapies and rational combinatorial therapies. The goal is to improve our understanding of the critical role of the tumor heterogeneity, genetic/epigenetic adaptive response, and tumor microenvironment in defining the efficacy of anti-cancer therapeutics as well as mediating drug resistance. It also aims to reveal novel therapeutic targets for cancer treatment and overcoming drug resistance. Basic cancer biologists and physician scientists are welcome to contribute to this Special Issue.



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Special Issue



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Message from the Editor-in-Chief

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