



Anticancer Drugs Activity and Underlying Mechanism

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Deadline for manuscript
submissions:

closed (31 May 2023)

Message from the Guest Editors

Dear Colleagues,

The National Cancer Institute defines oncologic precision medicine as the “use of specific information about a person’s tumor to help make a diagnosis, plan treatment, find out how well treatment is working, or make a prognosis.” Specific information about a person’s tumor includes the identification of specific molecules (“molecular targets”) that are involved in the growth, progression, and spread of cancer. Examples of conceptually different molecular targets include the overexpression of the normally expressed HER2+ protein and the expression of the abnormal (mutated) BRAF protein. These molecules are then targeted by drugs or other substances which collectively constitute the targeted cancer therapies. Since the advent of the first small molecule targeted agent (the BCR-ABL kinase inhibitor imatinib) three decades ago, the targeted, mechanism-based therapeutics along with immunotherapy have changed the paradigm for cancer treatment, which used to rely on relatively non-specific cytotoxic agents. This special issue invites original and review papers on targeted cancer therapies in any malignancy.





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Message from the Editor-in-Chief

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