

Special Issue

Anticancer Drugs Activity and Underlying Mechanism

Message from the Guest Editors

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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Deadline for manuscript submissions

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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