Special Issue

Predictive Biomarker for Oncology

Message from the Guest Editors

Precision oncology has increasingly focused on the development of predictive biomarkers and targeted anti-cancer drugs, and the co-development process of novel predictive biomarkers and targeted anti-cancer drugs is contributing to the advance of precision oncology. Recent predictive biomarker research has been conducted for a variety of (1) predictive biomarker candidates including HER2, EGFR, PDL1, microsatellite instability-high, and homologous recombination deficiency, (2) platform technologies (e.g., next-generation sequencing, multiomics, and single-cell genomics), and (3) sample resources, such as exosome, circulating tumor DNA, and circulating tumor cells. The research of predictive biomarkers will lead to precision oncology for all cancer patients. This Special Issue will host review and research articles that focus on the composition of therapeutic and diagnostic approaches using predictive biomarkers and targeted anti-cancer drugs that would provide theoretical background and evidence for precision oncology. In addition, we specifically welcome multidisciplinary research articles including omics and bioinformatic analysis, non-clinical, and clinical models.

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Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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