

Special Issue

Genetic and Genomic Biomarkers of Cancer

Message from the Guest Editor

Genetic and genomic assays are increasingly being used in medical practice. Cancer genetic and genomic tests typically analyze nucleic acid-based biomarkers and can be diagnostic, prognostic, or predictive. Cancer diagnostic tests are used for cancer screening, diagnosis, subtyping, and staging; cancer prognostic tests reveal the nature course of cancer, disease outcome, and recurrence risk, whereas cancer predictive tests provide information on the likely response of a patient to a drug or therapy. Often, a single genetic or genomic oncology test can be applied to several clinical scenarios. Genetic and genomic tests are expected to have ever-increasing impact on the clinical management of cancer patients. For example, such tests are developed to select patients who will benefit from targeted therapy, monitor the development of treatment resistance, assess recurrence following treatment, modify the dose of a therapeutic, and identify the pharmacogenetic risk of adverse drug reactions. This way, the optimal treatment is determined for every patient, non-effective treatments can be spared, and side-effects can be avoided, thus leading to personalized cancer management.

Guest Editor

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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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