Special Issue

Multi-omics Approaches for Biomarker Discovery in Early Ovarian Cancer Diagnosis

Message from the Guest Editor

Ovarian cancer presents a significant challenge in oncology, often diagnosed at advanced stages with limited treatment options. The emergence of multi-omics approaches offers promising avenues for early disease detection and personalized treatment strategies. This Special Issue explores the integration of diverse molecular data sets to identify robust biomarkers for early ovarian cancer diagnosis. Researchers can uncover molecular signatures indicative of ovarian cancer onset and progression by leveraging genomics, transcriptomics, proteomics, metabolomics, and other omics platforms. By exploring the complex interplay between the biological pathways and molecular alterations of ovarian cancer, we will enable more effective personalized medicine interventions and improved patient outcomes. Furthermore, bioinformatics approaches, including traditional pipelines and new artificial intelligence models, may be crucial for analyzing multi-omics data required for biomarker discovery and clinical decision-making support.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Journal of Personalized Medicine is one of the few journals that covers the diverse areas involved in the field, including research at basic, translational, and clinical levels. It focuses on "omics"-level studies that seek to define the basis of interindividual variation in susceptibility for a disease, its prognosis or definition of clinical
subsets, and response to therapy (pharmacogenomics). We are also interested in systems biology as it relates to interindividual variation, and research on new methodologies, informatics, and biostatistics, in the aforementioned areas.

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