



Multi-Omics in Health and Disease

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Message from the Guest Editors

Dear Colleagues,

The past decade has seen advances in technologies such as high-throughput sequencing and mass spectrometry, resulting in large-scale production of omic data. Technologies can capture omic data across various cellular levels. However, no one technology can individually capture the full complexity and heterogeneity of disease. To provide a more comprehensive view of human health and disease, the integration of multi-omics data has been proposed to understand, diagnose, and aid in providing targeted treatment/prevention plans to patients. In this Special Issue, we welcome original research and review articles presenting novel computational and bioinformatics methodologies and algorithmic approaches that address the challenges in (1) multi-omics and clinical data integration, (2) handling heterogenous multi-omics big data, (3) bioinformatics tools to integrate and visualise multi-omics biological data, (4) multi-omics data sharing, standards, privacy, and protection, (5) applications of multi-omics approaches to improving our understanding of disease mechanisms and their integration into clinical practice.

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Message from the Editor-in-Chief

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