Special Issue

Current Advances in Cancer Genomics

Message from the Guest Editor

Cancer is driven by diverse genetic and epigenetic alterations that underlie tumor initiation, progression, and therapeutic resistance. Recent breakthroughs in high-throughput sequencing, single-cell and spatial genomics, and integrative multi-omics have significantly advanced our understanding of cancer biology, enabling new opportunities for precision medicine. However, challenges remain in translating genomic insights into reliable diagnostic tools, prognostic markers, and targeted therapies. This Special Issue, Current Advances in Cancer Genomics, aims to highlight the latest research and comprehensive reviews that advance our understanding of cancer through genomic approaches. By bringing together diverse perspectives from basic, computational, and clinical research, this Special Issue will provide an interdisciplinary platform to advance our understanding of cancer genomics and its applications in precision oncology. We welcome original research articles, reviews, and perspectives that focus on, but are not limited to, genomic and epigenomic alterations, regulatory mechanisms, single-cell and spatial genomics, computational approaches, and clinical applications.

Guest Editor

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Message from the Editorial Board

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