

Special Issue

Application of Bioinformatics to Unravel the Molecular Mechanisms of Cancer Biology

Message from the Guest Editor

Cancer is a heterogeneous group of diseases characterized by uncontrolled cell growth, metastasis, and invasiveness. Although significant progress has been made in cancer biology research, the underlying mechanisms of carcinogenesis remain incompletely understood. Bioinformatics can accelerate the elucidation of key molecular pathways and networks driving cancer progression. This Special Issue aims to focus on the application of bioinformatics in unraveling the genetic and epigenetic mechanisms underlying cancer initiation and advancement. We invite submissions of original research papers covering integrative analyses of cancer genomics, transcriptomics, and epigenomics data to gain deeper insights into the molecular mechanisms of cancer and facilitate the discovery of cancer biomarkers and novel drug targets.

Guest Editor

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A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

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