



*cancers*



an Open Access Journal by MDPI

## Application of Multi-Omics Analysis in Cancer Diagnosis, Treatment and Prognosis

Guest Editors:

**Dr. Wei Wu**

Department of Medicine, Helen  
Diller Family Comprehensive  
Cancer Center, University of  
California, San Francisco, CA  
94143, USA

**Prof. Dr. Trever G. Bivona**

Department of Medicine, Helen  
Diller Family Comprehensive  
Cancer Center, University of  
California, San Francisco, CA  
94143, USA

Deadline for manuscript  
submissions:

**closed (15 November 2023)**

### Message from the Guest Editors

Dear Colleagues,

Cancer is currently viewed as a disease of evolving genomic instability and abnormal epigenomic modifications. Pioneering work had discovered and chromosomally mapped the genomic locations of oncogenes and tumor suppressor genes that are responsible for cancer initiation, progression, and metastasis. As such, we are witnessing mutation signatures, gene copy number alterations and aberrant gene expression profiles in specific types of cancer.

This Special Issue will highlight recent developments in computational biology and cancer biology, a major focus is on the integration of multi-omics data such as WGS, WES, scRNAseq, and spatial transcriptomics and proteomics to better understand the basis of the initiation of cancer, its evolution, and drug tolerant persister cancer state and full therapy resistance. Unbiased, systematic analyses using multi-omics data could advance our knowledge to further improve cancer treatment. This Special Issue accepts all types of papers, including reviews, perspectives, or original research articles, from a wide range of types of cancers.

Dr. Wei Wu

Prof. Dr. Trever G. Bivona

*Guest Editors*



[mdpi.com/si/123517](https://mdpi.com/si/123517)

# Special Issue



# cancers



an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Samuel C. Mok**

Department of Gynecologic  
Oncology and Reproductive  
Medicine, The University of Texas  
MD Anderson Cancer Center,  
Houston, TX 77030, USA

## Message from the Editor-in-Chief

*Cancers* is an international online journal addressing both clinical and basic science issues related to cancer research. The journal is publishing in Open Access format, which will certainly evolve to ensure that the journal takes full advantage of the rapidly changing world of information and knowledge dissemination. It publishes high-quality clinical, translational, and basic science research on cancer prevention, initiation, progression, and treatment, as well as other related topics, particularly to capture the most seminal studies in the rapidly growing area of immunology, immunotherapy, and tumor microenvironment.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (*Oncology*) / CiteScore - Q1 (*Oncology*)

## Contact Us

*Cancers* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/cancers](http://mdpi.com/journal/cancers)  
[cancers@mdpi.com](mailto:cancers@mdpi.com)  
X@Cancers\_MDPI