Special Issue

Applications of Machine Learning and Statistical Modeling in Precision Oncology

Message from the Guest Editor

Data science approaches—such as artificial intelligence, machine learning and statistical modeling, which help to turn information into knowledge in order to better understand human health—have become part of the vocabulary in biological and medical research. Due to this achievement, ways to pre-process, analyze, and infer knowledge have considerably changed in recent decades, whether in relation to transcriptomics, proteomics, epigenetics, sequencing data, clinical data, electronic health records, or medicine in general. In this issue, we will discuss some aspects of this revolution, with a special emphasis on bioinformatics, machine learning, statistical modeling, how the omics data are being analyzed and used to improve cancer treatment and management.

Guest Editor

Dr. Sandeep K. Singhal

1. Department of Pathology, School of Medicine and Health Sciences, University of North Dakota, Grand Forks, ND, USA
2. Department of Biomedical Engineering, School of Electrical Engineering and Computer Science, University of North Dakota, Grand Forks, ND, USA
3. Bioinformatics Division, University of North Dakota, Grand Forks, ND, USA

Deadline for manuscript submissions

closed (30 November 2022)

Cancers

an Open Access Journal by MDPI

Impact Factor 4.4
CiteScore 8.8
Indexed in PubMed

mdpi.com/si/84409

Cancers
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
cancers@mdpi.com

mdpi.com/journal/cancers

Cancers

an Open Access Journal by MDPI

Impact Factor 4.4
CiteScore 8.8
Indexed in PubMed

mdpi.com/journal/cancers

MDPI

About the Journal

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.

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

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, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Oncology) / CiteScore - Q1 (Oncology)