

## Special Issue

# AI-Based Applications in Cancers

### Message from the Guest Editor

The rapid advancement of artificial intelligence (AI) technologies is transforming oncology, reshaping how cancer is detected, diagnosed, and treated. This Special Issue, "AI-Based Applications in Cancers", highlights the growing impact of AI across the cancer care continuum—from early detection and risk prediction to precision therapy and real-time monitoring. Leveraging machine learning, deep learning, Bayesian networks, causal learning, large language models (LLMs), and other data-driven approaches, researchers and clinicians can now analyze complex biomedical data with greater accuracy and efficiency. This Special Issue brings together cutting-edge research and multidisciplinary perspectives to showcase the latest innovations at the intersection of AI and cancer care. By fostering collaboration between computational scientists and healthcare professionals, we aim to advance the development and responsible deployment of AI tools that improve patient outcomes. We invite authors to contribute original research papers to this Special Issue as we explore the opportunities and challenges of harnessing AI to address one of the most critical health issues of our time.

### Guest Editor

Dr. Xia Jiang

Department of Biomedical Informatics, University of Pittsburgh,  
Pittsburgh, PA 15206, USA

### Deadline for manuscript submissions

31 December 2025



## Cancers

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.4  
CiteScore 8.8  
Indexed in PubMed



[mdpi.com/si/237277](https://mdpi.com/si/237277)

*Cancers*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[cancers@mdpi.com](mailto:cancers@mdpi.com)

[mdpi.com/journal/  
cancers](https://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](https://mdpi.com/journal/cancers)



## 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)