

## Special Issue

# Molecular Signatures of Therapy: Biomarkers Predicting Response and Relapse in Cancer

### Message from the Guest Editor

This Special Issue invites original research articles and reviews that focus on:

- **Predictive biomarkers:** molecular signatures that indicate the likelihood of response to targeted therapies, immunotherapies, or conventional modalities.
- **Therapy-induced dynamics:** changes in biomarker profiles during treatment (for example, via liquid biopsy, circulating tumour DNA, exosomes, immune signatures) that reflect early response, emerging resistance, or minimal residual disease.
- **Mechanisms of relapse:** molecular and cellular drivers of disease recurrence, including persistence of residual clones, tumour evolution under treatment pressure, microenvironmental adaptations, and immune escape.
- **Strategies for relapse-prediction and monitoring:** assays and models for timely detection of recurrence (biomarker-based surveillance, imaging-biomarker integration, multi-omics longitudinal profiling) and their translation into clinical protocols.
- **Translational and clinical implementation:** biomarker-guided clinical trials, companion diagnostics, integration of biomarkers into therapeutic decision-making and relapse prevention frameworks, and real-world evidence supporting biomarker utility.

---

### Guest Editor

Dr. Antonis Giakountis

Department of Biochemistry & Biotechnology, School of Health Sciences, University of Thessaly, 41335 Larissa, Greece

---

### Deadline for manuscript submissions

15 July 2026



## Cancers

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.4  
CiteScore 8.8  
Indexed in PubMed



[mdpi.com/si/258592](https://mdpi.com/si/258592)

*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* (ISSN 2072-6694) is an international, online journal addressing both clinical and basic science issues related to cancer research. The journal will continue its 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)