

## Special Issue

# Molecular Stress Response Dysregulation in Cancer: Therapeutic Targets and Opportunities

### Message from the Guest Editor

The paradoxical combination of an age-related increase in cancer incidence and a demographic shift towards senescent populations has greatly exacerbated the role of cancer as a major medical challenge of global proportions, creating an urgent need for the discovery of novel molecular cancer therapeutics. Seminal research has provided cumulative evidence that oncogene-driven tumorigenesis dictates the dysregulated occurrence of genotoxic, mitotic, metabolic, proteotoxic, immunomodulatory, and redox stress responses. On the other hand, tumorigenic progression depends on the counter-regulatory activation of cytoprotective stress response pathways that represent a specific mechanistic vulnerability amenable to therapeutic intervention by molecularly targeted therapeutics. This special issue gathers original research and review papers positioned at the forefront of our current understanding of molecular stress response dysregulation in cancer, representing both a major pathological driving force and promising therapeutic target.

---

### Guest Editor

Prof. Dr. Georg T. Wondrak

Department of Pharmacology and Toxicology, College of Pharmacy and UA Cancer Center, University of Arizona, Tucson, AZ 85724, USA

---

### Deadline for manuscript submissions

closed (1 April 2019)



## Cancers

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.4  
CiteScore 8.8  
Indexed in PubMed



[mdpi.com/si/13062](https://mdpi.com/si/13062)

*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)