



## Mitochondria Metabolism and Cancer Therapy

Guest Editors:

**Prof. Dr. Barbara Kofler**

Research Program for Receptor  
Biochemistry and Tumor  
Metabolism, Department of  
Pediatrics, Paracelsus Medical  
University, 5020 Salzburg, Austria

**Prof. Dr. Marie Arsenian-  
Henriksson**

Karolinska Institutet, Department  
of Microbiology, Tumor and Cell  
Biology, Nobelsväg 16, 17177  
Stockholm, Sweden

Deadline for manuscript  
submissions:

**closed (31 August 2021)**

### Message from the Guest Editors

Dear Colleagues,

Cancer is one of the most devastating and intractable diseases. Alterations of cellular metabolism, in particular of glycolysis and mitochondrial metabolism, are recognized hallmarks of most types of cancer. Adaptation of the cellular metabolism in cancer provides the necessary energy and building blocks for macromolecules, which are essential for cell proliferation. Mitochondria also regulate redox and calcium homeostasis, participate in transcriptional regulation, and govern cell death. Therefore, therapies targeting diverse mitochondrial metabolic functions have emerged as a novel potent option to enhance the efficacy of established anti-cancer treatments such as radio- and chemotherapy as well as immunotherapy. This Special Issue of *Cancers* will include the latest research on mitochondrial metabolism in cancer and the cancer microenvironment with a focus on the therapeutic potential of targeting mitochondrial metabolism for cancer therapy.

Prof. Dr. Barbara Kofler

Prof. Dr. Marie Arsenian-Henriksson

*Guest Editors*





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* (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.

## 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)

## Contact Us

---

*Cancers* Editorial Office  
MDPI, Grosspeteranlage 5  
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](https://twitter.com/Cancers_MDPI)