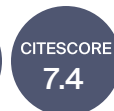




*cancers*



an Open Access Journal by MDPI

## Advanced Research in Organs-on-a-Chip and Cancer

Guest Editors:

**Prof. Dr. Josep Samitier**

**Prof. Dr. Rui L. Reis**

**Dr. David Caballero**

Deadline for manuscript  
submissions:

**closed (15 September 2023)**

### Message from the Guest Editors

The lack of controllable preclinical models able to faithfully recapitulate the human cancer microenvironment impedes the development of novel therapies and limits our understanding of tumor etiology. Combining compartmentalized microfabricated platforms with advanced tissue engineering methods offers great potential for building biomimetic microfluidic models of human tissues and organs. These so-called ‘organs-on-a-chip’ models have a unique capacity to, in vitro, recreate the biological complexity, mechanochemical cues, and fluid dynamics of native habitats of human cells and tissues, permitting the recapitulation of in vivo phenomena not achievable with traditional preclinical methods.

Overall, organ-on-a-chip technology has countless possibilities in academic, industrial and clinical cancer research. We are confident in its ability to continue to offer exciting novel developments and discoveries in upcoming years. We invite all those working in this revolutionary field to contribute to this Special Issue with original research articles, reviews, commentaries and perspectives in all relevant areas of research.



[mdpi.com/si/146208](https://mdpi.com/si/146208)

# Special Issue



# cancers



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* 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.

## 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, St. Alban-Anlage 66  
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