

## Special Issue

# Advances in Mass Spectrometry Imaging-Based Cancer Research

### Message from the Guest Editors

Discovering molecular signatures/pathways in cells, tissues, organs, and body fluids is of great relevance in cancer research as it may lead to a better understanding of tumor biology. The science of Omics such as genomics, proteomics, lipidomics, and metabolomics has provided new opportunities in the molecular analysis of cancer facilitating and improving diagnosis and treatment. (MS) technology have made the “-omic” revolution possible, facing a series of challenging tasks such as high sensitivity, specificity, throughput, robustness, flexibility, and quantification of complex biological samples. MS-based technologies offer an ever-increasing number of outstanding contributions in the field of cancer and have entered in many clinical settings. One of the recent areas of interest in MS is tissue imaging, i.e., MS imaging (MSI). This allows simultaneous visualization of the spatial distribution of hundreds of a broad variety of biomolecules ranging from peptides, to glycans, lipids, and even metabolites, known to play important roles in cancer, directly on tissue specimen.

---

### Guest Editors

Dr. Rita Casadonte

Proteopath GmbH, Max-Planck-Str. 17, 54296 Trier, Germany

Dr. Kristina Schwamborn

Institute of Pathology, School of Medicine, Technical University of Munich, Trogerstr. 18, 81675 Munich, Germany

Dr. Mark Kriegsmann

Institute of Pathology, University Hospital Heidelberg, Im Neuenheimer Feld 224, 69120 Heidelberg, Germany

---

### Deadline for manuscript submissions

closed (28 February 2023)



## Cancers

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.5  
CiteScore 8.0  
Indexed in PubMed



[mdpi.com/si/111496](https://mdpi.com/si/111496)

*Cancers*

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 4.5  
CiteScore 8.0  
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 - Q1 (Oncology) / CiteScore - Q1 (Oncology)