



*cancers*



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## Advances in Mass Spectrometry Imaging-Based Cancer Research

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

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### 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.



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# Special Issue



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## 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.

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*Cancers* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

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