

Special Issue

Matrix Glycans as Multifunctional Pathogenesis Factors and Therapeutic Targets in Cancer

Message from the Guest Editors

Cancer is a leading cause of mortality within the aging population. Tumor angiogenesis, tumor–stroma interactions, interactions with immune cells and the extracellular matrix and cancer stem cell niches allow for malignant cell survival and promote metastasis, the leading cause for cancer-associated mortality. Proteoglycans (PGs) and glycosaminoglycans (GAGs) – structurally diverse carbohydrates of the extracellular matrix and cell surfaces – have emerged as novel biomarkers and molecular players both within tumor cells and their microenvironment. Furthermore, most constituents of the extracellular matrix are glycosylated, including large structural glycoproteins such as collagens, laminins, and tenascins, with important implications for molecular interactions and functions. Importantly, their expression is dysregulated in numerous tumor entities, and modulates all molecular steps towards cancer metastasis. This Special Issue of *Cancers*, therefore, encompasses new research articles and timely reviews on all aspects of the role of matrix glycans in human cancer.

Guest Editors

Prof. Dr. Ludwig Kiesel

Department of Gynecology and Obstetrics, Münster University Hospital, Albert-Schweitzer-Campus 1, 48149 Münster, Germany

Prof. Dr. Martin Götze

Department of Gynecology and Obstetrics, Münster University Hospital, Albert-Schweitzer-Campus 1, 48149 Münster, Germany

Deadline for manuscript submissions

closed (31 January 2023)



Cancers

an Open Access Journal
by MDPI

Impact Factor 4.4
CiteScore 8.8
Indexed in PubMed



mdpi.com/si/66675

Cancers
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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 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 - Q2 (Oncology) / CiteScore - Q1 (Oncology)