

Topical Collection

Matrix Effectors and Cancer

Message from the Collection Editors

Extracellular matrices (ECMs) are highly dynamic three-dimensional structural meshworks composed of macromolecules, such as proteoglycans/glycosaminoglycans (PGs/GAGs), collagens, laminins, elastin, glycoproteins and proteinases. Matrix macromolecules are characterized by high structural complexity and heterogeneity. They form complex networks through which they dynamically communicate with cells, thus serving as critical regulators of several homeostatic and pathological processes, such as cancer. ECM molecular composition varies among the tissue of origin and it undergoes significant remodeling during cancer progression. The elucidation of the mechanistic aspects governing matrix assembly and cell–matrix interactions is of critical importance to discover matrix-mediated cancer pathobiology and novel therapeutic approaches. The aim of this Collection of *Cancers* is to highlight the emerging roles of effective matrix macromolecules, including matrix metalloproteinases, proteoglycans, specific types of collagens and matrix (glyco)proteins that play key roles in cancer development and aggressiveness.

Collection Editors

Prof. Dr. Nikos Karamanos

Biochemistry, Biochemical Analysis and Matrix Pathobiology Research Group, Laboratory of Biochemistry, Department of Chemistry, University of Patras, 26504 Patras, Greece

Prof. Dr. Zoi Piperigkou

Biochemistry, Biochemical Analysis and Matrix Pathobiology Research Group, Laboratory of Biochemistry, Department of Chemistry, University of Patras, 26504 Patras, Greece



Cancers

an Open Access Journal
by MDPI

Impact Factor 4.4
CiteScore 8.8
Indexed in PubMed



mdpi.com/si/43300

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 (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.

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)