

Special Issue

Molecular Tumor Boards: Promise and Limitations for Personalized Cancer Therapy

Message from the Guest Editors

The idea of adapting cancer therapy to the specific molecular features of a tumor is changing the way we treat cancer, especially advanced cancer. Such features are discussed in dedicated molecular tumor boards (MTB) in which experts from different fields (such as bioinformatics, molecular oncology, and molecular biology) work together with clinicians to select the best therapy for individual patients. Although this concept is finding its way in hospitals around the world, several limitations may make this approach ineffective. While the development of resistances is a logical limitation of targeted therapies, other challenges reflect our difficulty in dealing with multiple and often uncharacterized alterations, the lack of inhibitors for some driver mutations, and technological pitfalls. In this Special Issue, we aim to present single and multicenter experience, to introduce new methodologies or algorithms for identifying actionable aberrations, and to discuss new theories on cancer biology that may translate in a clinical application. Prof. Dr. Melanie Börries

Guest Editors

Prof. Dr. Melanie Börries

Institute of Medical Bioinformatics and Systems Medicine, Faculty of Medicine and Medical Center-University of Freiburg, 79110 Freiburg, Germany

Prof. Dr. Claudia Paret

Pediatric Hematology/Oncology, Children's Hospital, University Medical Center of the Johannes Gutenberg-University Mainz, 55131 Mainz, Germany

Deadline for manuscript submissions

closed (31 March 2023)



Cancers

an Open Access Journal
by MDPI

Impact Factor 4.4
CiteScore 8.8
Indexed in PubMed



mdpi.com/si/92168

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)