Special Issue

Artificial Intelligence and MRI Characterization of Tumors

Message from the Guest Editors

Cancer diagnosis and management remain complex and frequently require a multi-imaging assessment that allows for the staging of local and systemic disease. MRI is a highly accurate technique for the diagnosis and assessment of local disease extension, while CT, 18F-FDG PET/CT, and scintigraphy are often used for the confirmation of lymph node and systemic localization. In recent years, imaging-based machine learning processes, referred to as artificial intelligence, have been employed in many oncological fields, with promising results in the support of medical decisions. In this Special Issue, we intend to enclose a current and important chapter on the role of artificial intelligence applied to various types of imaging modalities, in all phases of cancer evaluation, from diagnosis, to therapy, to prognosis. Both types of traditional machine learning approaches will be examined: radionics analysis and convolutional neural networks.

Guest Editors

Dr. Eliodoro Faiella

Dr. Paolo Soda

Dr. Domiziana Santucci

Dr. Ermanno Cordelli

Deadline for manuscript submissions

closed (25 October 2023)

Cancers

an Open Access Journal by MDPI

Impact Factor 4.4
CiteScore 8.8
Indexed in PubMed

mdpi.com/si/107178

Cancers
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
cancers@mdpi.com

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

MDPI

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)