

Special Issue

Multimodal Artificial Intelligence/Machine Learning Applications in Malignant Tumors: Diagnosis, Prognosis, and Management

Message from the Guest Editors

Artificial intelligence (AI) and machine learning (ML) models have shown promising results in the extraction of subtle imaging features that are beyond human perception from medical images, improving the detection of malignancies, risk stratification, and response assessments. The integration of multi-modal imaging data with clinical, molecular, and genomic information through AI/ML models further adds to the potential of precision oncology. However, the clinical translation of these technologies requires their rigorous validation, interpretability, and integration into complex healthcare workflows. This Special Issue of *Cancers* highlights cutting-edge research on AI/ML applications across the continuum of cancer care, from automated detection and segmentation to outcome prediction and the optimization of therapy. We invite contributions addressing methodological advances, clinical implementation, multi-institutional validation, and ethical considerations, aiming to bridge the gap between technical innovation and real-world impact in oncologic imaging.

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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.

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