

Special Issue

Deep Learning and Radiomics for Cancer Diagnosis, Staging, and Treatment Response

Message from the Guest Editors

This Special Issue aims to highlight the latest advancements in the integration of deep learning and radiomics for cancer imaging analysis, with a focus on enhancing early diagnosis, accurate staging, and personalized treatment response assessment. As medical imaging technologies evolve, extracting meaningful, high-dimensional data through radiomics, combined with the predictive power of deep learning, offers new avenues in precision oncology. We invite original research articles, comprehensive reviews, and innovative methodologies that address challenges in feature extraction, model interpretability, data harmonization, and multimodal integration. The scope includes applications in all cancer types and imaging modalities (CT, MRI, PET, ultrasound), as well as studies leveraging longitudinal or real-world clinical datasets. We particularly encourage submissions that demonstrate clinical validation, novel architectures, federated learning, explainable AI, or integration with genomic, histopathological, or electronic health record (EHR) data.

Guest Editors

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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.

Editor-in-Chief

Prof. Dr. Samuel C. Mok

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