

Special Issue

Integrating Imaging AI into Glioma Clinical Workflows: Deployment, Technical Challenges and Real-World Impact

Message from the Guest Editors

Despite significant advances in machine-learning approaches to imaging analysis, their integration into everyday clinical workflows remains limited. The focus of this Special Issue is the practical integration of imaging AI tools into real-world clinical workflows for gliomas. Such applications encompass a range of clinical utilities, from diagnosis and classification to prognostication, surgical planning and radiation oncology. Relevant studies would focus on the deployment of AI tools in real clinical workflow and hospital environments, addressing technical challenges such as software interoperability, workflow integration and clinician adoption. Emphasis is placed on demonstrated clinical impact: for example, AI-assisted tumor segmentations embedded in PACS to streamline radiology workflows or AI-guided tools that enhance surgical resection and radiotherapy planning. Such implementations illustrate how integrating AI can improve efficiency and decision-making, ultimately leading to improved patient outcomes in neuro-oncologic care.

Guest Editors

Prof. Dr. Sotirios Bisdas

1. Department of Translational Neuroscience and Stroke, University College London, London WC1N 3BG, UK

2. School of Medicine, European University Cyprus, 1516 Nicosia, Cyprus

Dr. Loizos Siakallis

Department of Translational Neuroscience and Stroke, University College London, London WC1N 3BG, UK

Deadline for manuscript submissions

31 August 2026



Cancers

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/267715

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 4.8
CiteScore 9.0
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)