



## Machine Learning and Radiomics Applications of MRI-Guided Treatments in Cancers

Guest Editor:

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Deadline for manuscript  
submissions:

**closed (30 September 2023)**

### Message from the Guest Editor

Dear colleagues,

Advances in artificial intelligence and machine learning over the recent years including deep learning has spurred a lot of interest and applications of these techniques in several aspects of medicine including cancer diagnosis and treatment. Automated methods for analyzing medical images, including deep learning based detection and segmentation of cancers and normal organs, automated biomarkers for diagnosis and classification of cancer aggressiveness and prediction of outcomes will provide more reproducible and quantitative biomarkers to target and treat cancers.

The purpose of this special issue is to highlight the advances in all aspects of machine learning, both deep learning and standard radiomics based machine learning applied to MRI for the purpose of robust detection, prognosis, prediction of response to cancer treatments. Submissions focusing on using MRI for cancer response assessment/prediction, improving robustness and reproducibility of MRI radiomics, classification or segmentation from MRI, and methods combining MRI with other imaging or non-imaging modalities are highly relevant.





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## Editor-in-Chief

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## 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.

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