



## Machine Learning for Imaging-Based Cancer Diagnostics

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### Message from the Guest Editors

Medical imaging has been ubiquitously used in clinical point-of-care and plays an important role in cancer screening, diagnosis, and treatment. There are many types of medical imaging modalities, for example, MRI, CT, X-ray, PET, mammography, ultrasound, colposcopy, microscopy, endoscopy, and fluoroscopy. Innovations in machine learning and computer-aided techniques to medical imaging in combination with various omics applications can provide valuable information to clinicians to aid in decision-making as well as improve the quality and efficiency of medical care.

This Special Issue aims to promote and advance machine learning techniques in medical applications, especially regarding the use of intelligent medical imaging to aid the diagnostics, therapeutics, and predictive risk assessment of cancers of various organs. Research areas may include (but are not limited to) the following:

- Computer-aided diagnosis;
- Medical image analysis;
- Image-guided interventions and surgery;
- Network interpretability and explainability for medical applications;
- Visualization in medical imaging;
- Multiomics with imaging applications for cancer diagnostics and therapeutics.





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## Editor-in-Chief

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## 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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