Special Issue

Application of Advanced Biomedical Imaging in Cancer Treatment

Message from the Guest Editors

Biomedical imaging, characterized by modern diagnostic methods, scanners, protocols and contrast media, improves the way we diagnose and monitor cancer. However, it is not possible without multiple technical inventions, supercomputers, machine learning and artificial intelligence support. Such inventions and discoveries are needed to enable patient-tailored treatment in personalized medicine. Imaging is also used for monitoring outcomes, and emerging techniques such as radiomics will enable the prediction of treatment outcomes before treatment begins. We would like to invite researchers in the broad field of advanced biomedical imaging, including, but not limited to, radiology, digital pathology, oncology, radiotherapy, surgical oncology, machine learning, artificial intelligence and radiomics. The goal of this Special Issue is to highlight new horizons in cancer imaging for diagnosis, treatment and monitoring, with special emphasis on:

- Imaging-based methods:
- Oncological, radiotherapy and surgical therapy planning;
- Therapy response assessment;
- Recurrence assessment.
- Experimental imaging.
- The application of ML, AI and radiomics in cancer imaging.

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

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