Special Issue

AI-Enabled Multimodal Data Integration for Clinical Decision-Making in Oncology

Message from the Guest Editors

Artificial Intelligence (AI) is revolutionizing precision medicine by enabling more personalized and accurate treatment plans through advanced data analysis. Machine learning algorithms are increasingly used to analyze complex datasets, such as radiographic images, genetic information, and patient records, to identify patterns and predict disease risk. These insights help tailor treatments to individual patients, potentially improving outcomes. While significant progress has been made, challenges remain, specially in integrating AI seamlessly into clinical practice, ensuring generalizability, interpretability, equitability, data privacy, addressing ethical concerns. We are pleased to announce a call for proposals for a Special Issue dedicated to exploring the transformative impact of AI-enabled multimodal data integration in oncology. This Special Issue aims to gather cutting-edge research that demonstrates how AI can enhance clinical decision-making by integrating diverse data sources such as imaging, genomics, electronic health records, and clinical data.

Guest Editors

Dr. Jayasree Chakraborty

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Dr. Natally Horvat

Dr. Georgios Karagkounis

Deadline for manuscript submissions

closed (31 March 2025)

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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