

Special Issue

Artificial Intelligence: A Possible 'Game Changer' in the Fight Against Cancer

Message from the Guest Editor

Despite significant progress in cancer biology and therapy, particularly since the advent of immunotherapy, cancer remains one of the world's leading causes of death, ranking second only to cardiovascular diseases. A variety of technologies have been studied in the effort to discover optimal treatments for cancer. One such technology is artificial intelligence (AI). It is now a well-established fact that AI's ability to detect patterns and learn from large, multidimensional datasets has transformative potential. While AI will not replace human expertise, it will increasingly serve as a catalyst, enabling earlier detection, more precise therapies, and, ultimately, improved survival rates and quality of life for patients with cancer. In this context, the objective of this Special Issue is to compile and present the latest knowledge and developments concerning the role of AI in cancer biology, drug discovery, drug repurposing, diagnosis and detection, treatment optimization, clinical practice, and patient support, as well as the broader impact of AI in this field. Original research articles, reviews, commentaries, and other types of articles that contribute to the field are welcome.

Guest Editor

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