Special Issue

The Role of Artificial Intelligence in Cancer Treatment: Molecular Perspective

Message from the Guest Editor

Artificial intelligence (AI) in its various forms—machine learning (ML), deep learning (DL), and hybrid techniques —has seamlessly integrated into our daily lives. This integration is especially evident in the medical field, where the explosion of data across different modalities and settings offers us unprecedented opportunities to explore and analyze diverse data types. We now have the potential to translate AI findings into clinical trials and practical applications, bridging the gap from bench to bedside. The Special Issue brings together cutting-edge research that demonstrates how AI is enabling the analysis of massive multi-omics data, including genomics, transcriptomics, proteomics, and metabolomics, to uncover novel molecular mechanisms underlying cancer progression and the response to therapies. By harnessing AI's molecular insights, we can develop cancer treatments that are not only effective but also interpretable for clinical use. Your participation and interest can help drive this exciting evolution in cancer care.

Guest Editor

Dr. Andra Valentina Krauze

Radiation Oncology Branch, Center for Cancer Research, National Cancer Institute, National Institutes of Health, Building 10, Bethesda, MD 20892, USA

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Message from the Editor-in-Chief

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Editor-in-Chief

Prof. Dr. Maurizio Battino
Department of Odontostomatologic and Specialized Clinical Sciences, Sez-Biochimica, Faculty of Medicine, Università Politecnica delle Marche, Via Ranieri 65, 60100 Ancona, Italy

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