Special Issue

Artificial Intelligence Applications in Precision Oncology

Message from the Guest Editors

Precision oncology is revolutionizing cancer care by tailoring treatment strategies to each patient's individual characteristics, including demographic, clinical, pathological, radiological, and genetic variables and molecular profiles, as well as other factors. These strategies have seen rapid advancement in recent years, generating vast numbers of complex data. As the complexity of patient data grows, the need for efficient tools to store, retrieve, and analyze them has become increasingly important. Artificial intelligence (AI) is rapidly evolving, offering techniques like data mining, machine learning, and deep learning that are gaining popularity in clinical applications. AI has unique capabilities for handling complex data, offering valuable benefits such as identifying patterns and making predictions. AI can bring numerous benefits to the clinical field, especially in precision oncology. However, a great deal of untapped potential remains to be explored in this area. This Special Issue aims to provide a platform to highlight the applications of AI in precision oncology and foster a well-rounded understanding of how AI can be applied in precision oncology.

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Message from the Editor-in-Chief

Journal of Personalized Medicine (*JPM*; ISSN 2075-4426) is an international, open access journal aimed at bringing all aspects of personalized medicine to one platform. *JPM* publishes cutting edge, innovative preclinical and translational scientific research and technologies related to personalized medicine (e.g., precision medicine, pharmacogenomics/proteomics, systems biology, 'omics association analysis). *JPM* is covered in Scopus, the Science Citation Index Expanded (SCIE), PubMed, PMC, Embase, and other databases.

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