Special Issue

Artificial Intelligence (AI) in Biomedicine

Message from the Guest Editors

In this Special Issue, we bring the spotlight onto the vital role of medical artificial intelligence, particularly its capacity to facilitate quantitative analysis and revolutionize healthcare delivery. The increasing sophistication of medical imaging, image segmentation, and predictive computer simulations, propelled by AI advancements, has redefined therapeutic paradigms. These tools have led to increased precision in patient-specific diagnostics and individualized surgical planning, demonstrating the transformative potential of AI in biomedicine.

In a similar vein, this issue explores the remarkable interplay between bioinformatics and AI. Bioinformatics stands at the heart of contemporary biomedicine, utilizing computational methodologies to address biological conundrums and manage vast biomedical data. By integrating AI into this domain, we can supercharge our ability to process, analyze, and interpret complex biological datasets, leading to breakthroughs in areas like genomics, proteomics, and drug discovery.

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