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Application of Artificial Intelligence in Human Disease Understanding and Drug Discovery

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Message from the Guest Editor

In recent years, deep learning has shown outstanding performance in fields such as speech recognition, natural language processing, and image processing. These successes inspired researchers in bioinformatics and drug discovery to adopt this technique for solving complex biological tasks such as protein structure prediction and novel drug design. However, there are still many areas to explore in human disease understanding and drug discovery, and there are still limitations in the full utilization of deep learning which need to be solved in order to be effectively employed in human disease understanding and drug discovery.

This Special Issue will provide AI-enabled methods (e.g., machine learning and deep learning) that aid in human disease understanding and drug discovery. It will provide the recent practices in deep learning for improving the prediction performance and enhancing our understanding of human disease and drug discovery from genomics data. We welcome your contributions in the form of original research articles with sound and innovative methodology.



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Special Issue



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Message from the Editor-in-Chief

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