

Special Issue

Application of Artificial Intelligence in Human Disease Understanding and Drug Discovery

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.

Guest Editor

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Life (ISSN 2075-1729) is an international, peer-reviewed open access journal that publishes scientific studies related to fundamental themes in life sciences. Some papers are published individually, while others are submitted for inclusion in special issues with guest editors. You are invited to contribute a research article, essay, or a review to be considered for publication.

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