Special Issue

Exploring Diagnosis at the Intersection of Artificial Intelligence and Neuroscience

Message from the Guest Editors

The combination of artificial intelligence (AI) and neuroscience is reshaping medical diagnosis. As society embraces the power of AI across various domains, its application in healthcare has gained considerable attention. The integration of AI into health data analysis has sparked a revolution, promising to enhance the accuracy and efficacy of diagnosis, prevention, and treatment of neurological conditions. Recent studies have shown the remarkable potential of AI tools to elevate patient outcomes by 30 to 40%, simultaneously reducing treatment costs by up to 50%. The combination of AI and neuroscience holds the promise of not only boosting the accuracy of physicians' work but also making healthcare more cost-effective and accessible. This Special Issue is dedicated to delving into the fascinating interaction between AI and neuroscience, with a particular focus on their impact on medical diagnostics. By spotlighting the symbiotic relationship between these two disciplines, our Special Issue seeks to demonstrate novel methodologies for the detection and prediction of various neurological disorders.

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Editor-in-Chief

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