



Machine Learning in Disease Diagnosis and Treatment

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Deadline for manuscript
submissions:

30 December 2024

Message from the Guest Editor

Nowadays, machine learning (ML) algorithms are revolutionizing disease diagnosis and treatment, offering enhanced accuracy and efficiency over traditional methods. This Special Issue, titled “Machine Learning in Disease Diagnosis and Treatment”, explores the transformative impact of ML on medical diagnostics and therapeutic strategies. This collection showcases research at the integration of ML with (epi)genomic, transcriptomic, proteomic, and clinical data to uncover novel biomarkers, and understanding disease mechanisms at a molecular level. Key topics include the development of predictive models for early disease detection and prognosis, innovative applications of ML in analyzing complex biological data, and the integration of artificial intelligence in personalized treatment plans. Overall, this Special Issue underscores the potential of ML to revolutionize precision medicine, offering insights into how these technologies can lead to more accurate diagnostics, tailored therapies, and improved patient outcomes.





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Message from the Editor-in-Chief

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