Special Issue

Machine Learning in Disease Diagnosis and Treatment

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.

Guest Editor

Dr. Makrina Karaglani

1. Laboratory of Pharmacology, Department of Medicine, Democritus University of Thrace, 68100 Alexandroupolis, Greece
2. Institute of Agri-Food and Life Sciences, University Research and Innovation Centre, Hellenic Mediterranean University, 71003 Heraklion, Greece

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Message from the Editor-in-Chief

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Editor-in-Chief

Prof. Dr. Maurizio Battino
Department of Odontostomatologic and Specialized Clinical Sciences, Sez-Biochimica, Faculty of Medicine, Università Politecnica delle Marche, Via Ranieri 65, 60100 Ancona, Italy

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