

Special Issue

Application of Artificial Intelligence in Disease Diagnosis and Treatment

Message from the Guest Editors

We are particularly interested in research that applies advanced AI methods—including convolutional neural networks, generative models, reinforcement learning, and explainable AI—to complex clinical challenges. Emerging topics such as federated learning, AI-integrated multiomics, clinical prediction models, and real-time decision support systems are especially welcome. Additionally, we value research that rigorously evaluates AI performance in clinical trials, benchmarks algorithms against traditional methods, or explores the ethical and regulatory dimensions of AI in medicine.

We welcome original research articles and systematic reviews that address the application of AI in medical diagnosis and treatment. Submissions should include a strong methodological foundation, clear clinical relevance, and a focus on innovation. Interdisciplinary work combining computer science, biomedical engineering, and clinical medicine is highly encouraged. We also invite perspective pieces on the integration of AI into healthcare systems and the future challenges in regulation, interpretability, and patient trust.

Guest Editors

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