

Special Issue

Artificial Intelligence and Computational Models in Understanding Human Diseases

Message from the Guest Editor

Human health remains a critical concern in modern society. Advances in medicine and healthcare have greatly improved life expectancy, with novel technologies, including artificial intelligence (AI), playing a key role. AI has transformed medical research and healthcare by identifying disease causes, enhancing diagnostics, optimizing treatments, and improving healthcare systems. AI, along with computational modeling and simulation, offers powerful tools for understanding human diseases at biochemical, genetic, immune, behavioral, and environmental levels. It addresses long-standing challenges in accurate diagnosis and personalized treatment, leveraging vast knowledge and experience accumulated over years of medical practice. This Special Issue focuses on the transformative role of AI and computational models in advancing our understanding of human diseases. It examines their contributions to identifying disease origins, refining diagnostic methods, enabling early detection of critical conditions, and discovering novel treatments through the analysis of complex patterns in large datasets.

Guest Editor

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Deadline for manuscript submissions

28 November 2025



Life

an Open Access Journal
by MDPI

Impact Factor 3.4
CiteScore 6.0
Indexed in PubMed



mdpi.com/si/226669

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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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