



life



an Open Access Journal by MDPI

AI and Precision Medicine: Using Machine Learning for Disease Diagnosis and Prediction

Guest Editors:

Dr. Vasilis Nikolaou

Business School, University of Surrey, Guildford, UK

Dr. Sarantis Chlamydas

Scientific Director-MultiOmics, Olink Proteomics AB, Uppsala, Sweden

Deadline for manuscript submissions:

closed (30 April 2025)

Message from the Guest Editors

In this Special Issue, we aim to explore the intersection of AI and precision medicine, with a specific emphasis on machine learning approaches. We invite researchers and experts in the fields of AI and precision medicine to submit their original research articles, reviews on the following topics:

1. Early disease detection: Innovations in AI and machine learning for the early diagnosis of diseases.
2. Risk prediction: Predictive models utilizing patient data, genetics and environmental factors to assess an individual's risk of developing specific diseases.
3. Personalized treatment: Approaches to tailoring medical treatments.
4. Diagnostic imaging: Advancements in AI for analyzing medical imaging data to enhance diagnostic accuracy.
5. Genomic analysis: Research focusing on machine learning applications in genomics, transcriptomics, and proteomics for understanding disease mechanisms.
6. Clinical Decision Support: Applications of AI as clinical decision support tools for professionals in diagnosis and treatment planning.



mdpi.com/si/190058

The Special Issue aims to provide a platform for the exchange of ideas, discussion, and dissemination of cutting-edge research in this area.

Special *Issue*



life



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Lluís Ribas de Pouplana

Institute for Research in Biomedicine (IRB Barcelona), The Barcelona Institute of Science and Technology, 08028 Barcelona, Spain

Message from the Editor-in-Chief

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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [PMC](#), [CAPus / SciFinder](#), and [other databases](#).

Journal Rank: JCR - Q1 (Biology) / CiteScore - Q1 (Paleontology)

Contact Us

Life Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/life
life@mdpi.com
[X@Life_MDPI](#)