Special Issue

Application of Artificial Intelligence in Personalized Medicine: Diagnosis and Treatment

Message from the Guest Editor

This Special Issue aims to focus on the transformative role of artificial intelligence (AI) in advancing personalized medicine, particularly in terms of diagnosis and treatment. AI technologies are revolutionizing healthcare by enabling more precise, individualized approaches to patient care. The integration of AI with medical imaging has a rich history, evolving from basic pattern recognition to sophisticated deep learning models capable of analyzing complex radiological data. Today, AI algorithms can detect subtle abnormalities in medical images, predict disease progression, and recommend personalized treatment plans with unprecedented accuracy. Objectives: Our aim is to explore cutting-edge AI applications in personalized medicine, emphasizing novel diagnostic tools and tailored therapeutic strategies. We seek to highlight how AI is enhancing clinical decision-making, improving patient outcomes, and reshaping the landscape of precision medicine and healthcare. We welcome the submission of original research articles, comprehensive reviews, and other types of research that demonstrate innovative AI approaches in medical imaging for personalized diagnosis and treatment.

Guest Editor

Dr. Abdulkader Helwan

Department of Health, Medicine and Caring Sciences, Linköping University, 581 85 Linköping, Sweden

Deadline for manuscript submissions

28 February 2026

Journal of Personalized Medicine

mdpi.com/journal/
jpm

About the Journal

Message from the Editor-in-Chief

Journal of Personalized Medicine (*JPM*; ISSN 2075-4426) is an international, open access journal aimed at bringing all aspects of personalized medicine to one platform. *JPM* publishes cutting edge, innovative preclinical and translational scientific research and technologies related to personalized medicine (e.g., precision medicine, pharmacogenomics/proteomics, systems biology, 'omics association analysis). *JPM* is covered in Scopus, the Science Citation Index Expanded (SCIE), PubMed, PMC, Embase, and other databases.

Editor-in-Chief

Prof. Dr. Kenneth P.H. Pritzker
Department of Laboratory Medicine and Pathobiology, Department of Surgery, University of Toronto, 6 Queens Pk Crescent W,F, Toronto, ON M5S 3H2, Canada

Author Benefits

High Visibility:
indexed within Scopus, PubMed, PMC, Embase, and other databases.

Journal Rank:
CiteScore - Q1 (Medicine (miscellaneous))

Rapid Publication:
manuscripts are peer-reviewed and a first decision is provided to authors approximately 21.5 days after submission; acceptance to publication is undertaken in 3.5 days (median values for papers published in this journal in the first half of 2025).

MDPI