

## 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

Prof. Dr. Ricardo Martínez-Murillo

Neurovascular Research Group, Instituto Cajal (CSIC), Avenue Doctor Arce 37, 28002 Madrid, Spain

Dr. Oscar Casanova Carvajal

Laboratorio de Bioinstrumentación y Nanomedicina, Centro de Tecnología Biomédica, Universidad Politécnica de Madrid, 28040 Madrid, Spain

---

### Deadline for manuscript submissions

25 September 2026



## Medicina

---

an Open Access Journal  
Published by MDPI

---

Impact Factor 2.9  
CiteScore 4.6  
Indexed in PubMed



[mdpi.com/si/243530](https://mdpi.com/si/243530)

*Medicina*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[medicina@mdpi.com](mailto:medicina@mdpi.com)

[mdpi.com/journal/  
medicina](https://mdpi.com/journal/medicina)





# Medicina

---

an Open Access Journal  
Published by MDPI

---

Impact Factor 2.9  
CiteScore 4.6  
Indexed in PubMed



[mdpi.com/journal/  
medicina](https://mdpi.com/journal/medicina)



## About the Journal

### Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Medicina* (ISSN: 1648-9144). *Medicina* is an open access, peer-reviewed scientific journal that publishes original articles, critical reviews, research notes, and short communications on medicine. The scientific community and the general public can access the content free of charge as soon as it is published.

---

### Editor-in-Chief

Prof. Dr. Edgaras Stankevičius  
Medical Academy, Lithuanian University of Health Sciences, Kaunas,  
Lithuania

---

### 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, MEDLINE, PMC, and other databases.

#### Journal Rank:

JCR - Q1 (Medicine, General and Internal) / CiteScore - Q1 (General Medicine)