



Artificial Intelligence (AI) in Biomedicine

Guest Editors:

Prof. Dr. Jian Wu

Department of Computer Science
and Technology, Zhejiang
University, Hangzhou 310027,
China

Dr. Hongxia Xu

Innovation Institute for Artificial
Intelligence in Medicine, Zhejiang
University, Hangzhou, China

Deadline for manuscript
submissions:

closed (31 May 2024)

Message from the Guest Editors

In this Special Issue, we bring the spotlight onto the vital role of medical artificial intelligence, particularly its capacity to facilitate quantitative analysis and revolutionize healthcare delivery. The increasing sophistication of medical imaging, image segmentation, and predictive computer simulations, propelled by AI advancements, has redefined therapeutic paradigms. These tools have led to increased precision in patient-specific diagnostics and individualized surgical planning, demonstrating the transformative potential of AI in biomedicine.

In a similar vein, this issue explores the remarkable interplay between bioinformatics and AI. Bioinformatics stands at the heart of contemporary biomedicine, utilizing computational methodologies to address biological conundrums and manage vast biomedical data. By integrating AI into this domain, we can supercharge our ability to process, analyze, and interpret complex biological datasets, leading to breakthroughs in areas like genomics, proteomics, and drug discovery.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Anthony Guiseppi-Elie

Department of Biomedical
Engineering, Texas A&M
University, College Station, TX
77843, USA

Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Bioengineering* (ISSN 2306-5354). *Bioengineering* is published in open access format – research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. *Bioengineering* provides an advanced forum for the science and technology of bioengineering. We would be pleased to welcome you as one of our authors.

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](#), [Inspec](#), and [other databases](#).

Journal Rank: JCR - Q2 (Engineering, Biomedical)

Rapid Publication: manuscripts are peer-reviewed and a first decision is provided to authors approximately 19.2 days after submission; acceptance to publication is undertaken in 3.3 days (median values for papers published in this journal in the first half of 2025).

Contact Us

Bioengineering Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/bioengineering
bioengineering@mdpi.com
[X@Bioeng_MDPI](https://twitter.com/Bioeng_MDPI)