

## Special Issue

# Artificial Intelligence (AI) in Biomedicine

### Message from the Guest Editor

AI in biomedicine includes both basic as well as clinical research with information of many biomedical disciplines and areas of speciality. Through these applications, AI expects to help transform the world of medicine by training models that predict how the phenotype and genotype are defined and enables the exploration of biomedical diagnosis and therapies.

This Special Issue aims to provide a place covering the applications of AI to different aspects of biomedicine.

Applications of AI in molecular biology and biochemistry

Applications of AI in bioinformatics and system biology

Applications of AI in genomics and genetics

Applications of AI in drug discovery and development

Applications of AI in biomedical imaging

Applications of AI in disease diagnosis and prognosis

Applications of AI in clinical decision support systems

Applications of AI in biomedical and health informatics

Big data analysis in biomedicine

Natural language processing in biomedical text mining

---

### Guest Editor

Dr. Le Nguyen Quoc Khanh

Professional Master Program in Artificial Intelligence in Medicine,  
College of Medicine, Taipei Medical University, Taipei 106, Taiwan

---

### Deadline for manuscript submissions

closed (30 September 2024)



## Biomolecules

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.8  
CiteScore 9.2  
Indexed in PubMed



[mdpi.com/si/131027](https://mdpi.com/si/131027)

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

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





# Biomolecules

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.8  
CiteScore 9.2  
Indexed in PubMed



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



## About the Journal

### Message from the Editorial Board

*Biomolecules* is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

---

### Editors-in-Chief

Prof. Dr. Peter E. Nielsen

Department of Cellular and Molecular Medicine, Faculty of Health and Medical Sciences, University of Copenhagen, Blegdamsvej 3C, DK-2200 Copenhagen, Denmark

Prof. Dr. Lukasz Kurgan

Department of Computer Science, Virginia Commonwealth University, Richmond, VA 23284, USA

---

### 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, Embase, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Biochemistry)