

Special Issue

Zebrafish Models in Cardiovascular and Metabolic Precision Medicine

Message from the Guest Editor

Zebrafish (*Danio rerio*) have emerged as a powerful model organism in biomedical research, offering unique advantages for studying human cardiovascular and metabolic diseases. Their genetic tractability, physiological similarity to humans, and transparent embryos make zebrafish ideal for high-throughput screening, in vivo imaging, and real-time analysis of disease progression. This Special Issue will showcase cutting-edge research that leverages zebrafish models to advance our understanding of cardiovascular and metabolic disorders, with a focus on translational approaches and personalized treatment strategies. We welcome contributions highlighting innovative methodologies, novel therapeutic targets, and integrative studies bridging zebrafish research with clinical applications. By bringing together insights from molecular biology, pharmacology, and genetics, this Special Issue seeks to illuminate the pivotal role of zebrafish in shaping the future of precision medicine.

Guest Editor

Dr. Angom Ramcharan Singh

Department of Biochemistry and Molecular Biology, Mayo Clinic
College of Medicine and Science, Jacksonville, FL 32224, USA

Deadline for manuscript submissions

closed (7 November 2025)



Biomolecules

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 9.2
Indexed in PubMed



mdpi.com/si/240266

Biomolecules
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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, CAPIus / SciFinder, and other databases.

Journal Rank:

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