

Special Issue

Advancements in Cardiac Metabolism

Message from the Guest Editor

The heart is a metabolic omnivore, with the flexibility to shift metabolic fuel upon demand to enable constant function. Cardiac metabolism plays a crucial role in maintaining heart function and overall cardiovascular health. With cardiovascular disease being the leading cause of death worldwide, it is vital to understand the dysregulation of cardiac metabolism and its implications in numerous cardiovascular diseases, including heart failure, ischemic heart disease, and diabetic cardiomyopathy. Understanding the intricate metabolic pathways and their regulation in the heart is essential for developing novel therapeutic strategies to maintain efficient utilization of various energy substrates for continuous activity. This Special Issue will explore the latest advancements in cardiac metabolic research, including the impact of metabolic remodelling on cardiac function; the role of mitochondrial dynamics and bioenergetics in the heart; the interplay between systemic metabolic disorders and cardiac metabolism; and innovative therapeutic approaches targeting metabolic pathways to treat cardiovascular diseases.

Guest Editor

Dr. Michael Dodd

Centre for Health and Life Sciences, Coventry University, Coventry CV1 5FQ, UK

Deadline for manuscript submissions

closed (30 April 2026)



Cells

an Open Access Journal
by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed



mdpi.com/si/229078

Cells
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
cells@mdpi.com

mdpi.com/journal/

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





Cells

an Open Access Journal
by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed



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



About the Journal

Message from the Editorial Board

Cells has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

Editors-in-Chief

Dr. Alexander E. Kalyuzhny

Neuroscience, UMN Twin Cities, 6-145 Jackson Hall, 321 Church St SE,
Minneapolis, MN 55455, USA

Prof. Dr. Cord Brakebusch

Biotech Research & Innovation Centre, The University of Copenhagen,
Copenhagen, Denmark

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Cell Biology) / CiteScore - Q1 (General Biochemistry, Genetics and Molecular Biology)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.5 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).