

Special Issue

Harnessing Cancer Metabolism: Unveiling New Therapeutic Approaches and Diagnostic Tools

Message from the Guest Editors

This Special Issue will showcase contributions from authors with novel evidence highlighting the influence of cancer metabolism on both therapeutic strategies and biomarker discovery. We encourage contributions exploring how metabolic vulnerabilities can be targeted to disrupt tumour growth and induce apoptosis or ferroptosis, as well as how metabolite profiling can aid in the early detection and diagnosis of tumours. We also encourage contributions proposing methods to improve the detection of metabolites, as well as review articles and comments on the current landscape of cancer metabolism and metabolic biomarkers. Potential topics include, but are not limited to, the following:

- Novel metabolic targets for cancer treatment;
- Novel links between cell signalling and metabolic pathways;
- Interactions between metabolic pathways and cell cycle progression;
- Role of metabolism in cell migration and invasion;
- New mechanistic insights into the connection between metabolism and apoptosis or ferroptosis;
- Novel methodologies to detect or improve the detection of polar and non-polar metabolites involved in cancer.

Guest Editors

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Deadline for manuscript submissions

15 November 2026



Metabolites

an Open Access Journal
by MDPI

Impact Factor 3.7
CiteScore 8.1
Indexed in PubMed



mdpi.com/si/255553

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About the Journal

Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

Editor-in-Chief

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Author Benefits

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Journal Rank:

JCR - Q2 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Endocrinology, Diabetes and Metabolism)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.7 days after submission; acceptance to publication is undertaken in 3.6 days (median values for papers published in this journal in the second half of 2025).