

## Special Issue

# Immunometabolism: A Therapeutic Target in Cancer and Inflammatory Diseases?

### Message from the Guest Editor

Macrophages are very plastic cells that react to external signals by a fast reprogramming at the genetic and metabolic levels, thus, facilitating an adequate answer to a changing environment. We have only started to realize the high relevance of metabolic changes for their immunological functions in physiological but also in pathophysiological conditions, such as in cancer. Interest in the field of immunometabolism, which we define as the interplay between immunological and metabolic processes, is motivated indeed by the realization that dysregulated metabolism in macrophages accompanies and/or promotes their tumour-supportive capacities. Manipulating macrophage metabolism might offer new avenues in cancer therapy. This is particularly interesting when considering tumours such as glioblastoma. These aggressive brain tumours harbour a large number of microglia and macrophages and are characterised by strong metabolic alterations.

### Guest Editor

Dr. Anne Régnier-Vigouroux  
Johannes Gutenberg Universität Mainz, Mainz, Germany

### Deadline for manuscript submissions

closed (31 December 2021)



## Cells

an Open Access Journal  
by MDPI

Impact Factor 5.2  
CiteScore 10.5  
Indexed in PubMed



[mdpi.com/si/59403](https://mdpi.com/si/59403)

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

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

Dental Basic Sciences, University of Minnesota, 308 Harvard 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, CAPus / 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 16 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).