

## Special Issue

# Purinergic Signalling and Inflammation-Related Diseases

### Message from the Guest Editors

Compelling evidence accumulated over the past number of decades has demonstrated purinergic signalling to mediate a broad range of cellular functions in health and disease. Among these, inflammation has attracted the most attention as one of the main pathways by which purinergic signalling contributes to diseases. Much progress has been made in dissecting purinergic signalling cascades, and, most importantly, the use of highly specific drugs targeting different components of the purinergic system has provided compelling evidence for a causal role of purinergic signalling in almost every human pathological condition ranging from cancer, to bone diseases, to diabetes, and to diseases of the brain. This present Special Issue will provide a broad overview of how purinergic signalling regulates inflammatory pathways and the contribution of purinergic signalling to acute and chronic diseases.

### Guest Editors

Dr. Tobias Engel

Department of Physiology and Medical Physics, Royal College of Surgeons in Ireland, Dublin 2, Ireland

Dr. Eva María Jiménez-Mateos

Trinity College Dublin, Dublin, Ireland

Prof. Dr. Miguel Diaz-Hernandez

Department of Biochemistry and Molecular Biology, Veterinary Faculty, Complutense University of Madrid, 28040 Madrid, Spain

### Deadline for manuscript submissions

closed (15 November 2021)



## Cells

an Open Access Journal  
by MDPI

Impact Factor 5.2  
CiteScore 10.5  
Indexed in PubMed



[mdpi.com/si/31865](https://mdpi.com/si/31865)

*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/  
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).