



cells



an Open Access Journal by MDPI

Purinergic Signalling and Inflammation-Related 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)

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.



mdpi.com/si/31865

Special Issue



cells



an Open Access Journal by MDPI

Editors-in-Chief

Prof. 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

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.

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](#), [CAPlus / SciFinder](#), and [other databases](#).

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

Contact Us

Cells Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/cells
cells@mdpi.com
[X@Cells_MDPI](#)