



cells



an Open Access Journal by MDPI

Cell Biology of Age-Related Macular Degeneration

Guest Editor:

Dr. Imre Lengyel

The Wellcome-Wolfson Institute,
For Experimental Medicine,
School of Medicine, Dentistry and
Biomedical Science, Queen's
University Belfast, 97 Lisburn
Road, Belfast BT9 7BL, UK

Deadline for manuscript
submissions:
closed (25 May 2023)

Message from the Guest Editor

Dear Colleagues,

Age-related macular degeneration (AMD) is a complex disease that primarily affects central vision, although peripheral retinal abnormalities are also observed. A variety of cellular changes are involved in the initiation and progression of AMD, and patient-derived cells with a varied genetic background now highlight further complexities. Given the emergence of gene and cell therapy approaches to combat irreversible visual loss, a better understanding of the role different cells play in AMD is paramount.

This Special Issue will focus on cell biology studies on this complex disease. Results on any of the retinal or choroidal cells are welcome as this issue aims to reflect the complexity of AMD through cell biology approaches. We hope that the combination of a variety of original experimental and bioinformatics papers and focused reviews will become a useful resource for developing new approaches to slow the progression or prevent the development of AMD.



mdpi.com/si/98114

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](#)