

## Special Issue

# Advances in the Discovery of Retinal Degeneration

### Message from the Guest Editors

Recent years have seen significant advancements in the understanding and treatment of retinal degeneration, a group of conditions leading to progressive vision loss and blindness. The field has evolved rapidly, driven by groundbreaking discoveries in genetic research, novel imaging techniques and innovative therapeutic approaches. High-throughput sequencing technologies and genome-wide association studies have enabled researchers to pinpoint the specific genes and pathways involved in these disorders, offering new targets for therapeutic intervention. Pharmacological approaches targeting the molecular pathways implicated in retinal degeneration have also made strides. Drugs designed to modulate oxidative stress, inflammation and apoptosis are currently being explored, with some showing promising results in preclinical and early clinical studies. We invite scientists to contribute their cutting-edge research to our journal's Special Issue, providing a platform to share their findings and drive the next wave of innovation in understanding and treating retinal degeneration.

### Guest Editors

Dr. Ram Prasad

Department of Ophthalmology and Visual Sciences, University of Alabama at Birmingham, Birmingham, AL, USA

Dr. Yvonne Adu-Rutledge

Massachusetts Eye and Ear, Harvard Medical School, Boston, MA, USA

### Deadline for manuscript submissions

20 September 2025



## Cells

an Open Access Journal  
by MDPI

Impact Factor 5.2  
CiteScore 10.5  
Indexed in PubMed



[mdpi.com/si/212772](https://mdpi.com/si/212772)

*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).