

## Special Issue

# The Role of Light in Ocular Health and Disease

### Message from the Guest Editors

This Special Issue focuses on light's critical role in ocular health and disease. This rapidly evolving field attracts attention across vision science, ophthalmology, and neuroscience. Light is essential for vision, influences circadian rhythms, retinal neurotransmission, and cellular homeostasis, and has healing capabilities when used appropriately. However, inappropriate light exposure links to ocular pathologies including retinal degeneration, myopia, cataract, and oxidative stress damage to the cornea and lens.

We invite manuscripts exploring light's impact on ocular physiology/pathology, covering anterior/posterior ocular segments. Key interests: light-induced retinal changes, protective/harmful wavelengths, anterior segment light responses, molecular pathways linking light to ocular disease. We also welcome light-based diagnostic/therapeutic research (e.g., light treatments) and preventive strategies. This Special Issue synthesizes basic science advances to highlight light's role in eye health, identify gaps, and guide future interventions. We encourage contributions addressing this timely field, showcasing light as a resource, treatment, or risk factor for ocular health.

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### Guest Editors

Dr. Krisztina Valter

Dr. María Ana Contin

Dr. Monica Acosta

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### Deadline for manuscript submissions

15 May 2026



## Cells

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## 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.

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### Editors-in-Chief

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#### 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).