Special Issue

Cell Therapy for Retinal Diseases

Message from the Guest Editors

Retinal diseases, including age-related macular degeneration, diabetic retinopathy, and inherited retinal dystrophies, are leading causes of vision loss worldwide. Cell therapy has emerged as a promising strategy to repair or replace damaged retinal cells, offering new hope for patients with currently untreatable conditions. Advances in stem cell biology, gene editing, tissue engineering, and neuroprotection have accelerated the development of cell-based therapies for retinal diseases, including the use of pluripotent stem cells, cell transplantation, and cell reprogramming techniques. This Special Issue will highlight recent breakthroughs in cell therapy for retinal diseases, addressing key challenges such as immune rejection, cell integration, and functional restoration. Contributions exploring novel in vitro and in vivo models, neuroprotection, reprogramming approaches, cell sources, delivery methods, clinical translation, and long-term efficacy are especially welcome. We aim to provide a comprehensive overview of the current state and future prospects of cell-based approaches in retinal medicine. We look forward to your valuable contributions

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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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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).