# Special Issue

# Cellular Protection and Regeneration in Age-Related Diseases of the Retina

## Message from the Guest Editor

The retina is a central nervous system tissue that carries out the remarkable task of converting photons of light into complex signals to the visual cortex to create high-resolution images of our surrounding environment. There are 8 major cell types in the retina, each possessing a highly specialized structure and function, and a few of these cell types are affected in retinal diseases. The retina is susceptible to several age-related diseases, including age-related macular degeneration, glaucoma, and diabetic retinopathy. There are promising potential therapies on the horizon, but more research and development needs to be done to arrive at a cure. Research areas that offer promise for retinal diseases include reducing oxidative stress, modifying inflammatory signaling, and maintaining metabolic homeostasis and cell transplant/replacement. This Special Issue is to highlight current multidisciplinary approaches and developments in the field of age-related diseases of the retina including pharmacology, drug delivery, and cell replacement to combat retinal cell pathology. Your contributions in this regard are warmly welcome.

## Guest Editor

Dr. Raymond Scott Duncan
School of Biological Sciences, University of Missouri at Kansas City, Kansas City, MO 64108, USA

## Deadline for manuscript submissions

closed (1 February 2022)

**Cells**

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**Impact Factor 5.2**
**CiteScore 10.5**
**Indexed in PubMed**

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*Cells*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
cells@mdpi.com

mdpi.com/journal/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.

## Editors-in-Chief

Dr. Alexander E. Kalyuzhny
Dental Basic Sciences, University of Minnesota, 308 Harvard St. SE, Minneapolis, MN 55455, USA

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**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).