

Special Issue

The Role of Inflammation in AMD (Multifactorial Age-Related Macular Degeneration)

Message from the Guest Editors

The most common reason for blindness in developed countries is multifactorial age-related macular degeneration (AMD). Its development is associated with aging, gene defects, hypercholesterolemia, hypertension, arteriosclerosis, obesity, smoking, and unhealthy diet. At the tissue and cellular levels, rod and cone photoreceptors, retinal pigment epithelial cells, and the underlying choroid perform metabolic alterations and degenerative changes in AMD. Chronic oxidative stress, inflammation, and paracellular permeability changes may induce outer blood retinal barrier dysfunction and promote cellular phenotype changes, finally leading to late-state AMD and visual loss. In this Special Issue of the journal *Cells*, we would like to invite you to provide original clinical reports, experimental studies utilizing cell and animal models, and reviews or shorter perspective articles on all aspects related to the theme of “The Role of Inflammation in AMD”. Expert articles describing genetics/epigenetics, metabolic, mechanistic, functional, cellular, biochemical, or general aspects of inflammation in AMD are warmly welcome.

Guest Editors

Prof. Dr. Kai Kaarniranta

Prof. Dr. Anu Kauppinen

Prof. Dr. Heping Xu

Deadline for manuscript submissions

closed (20 April 2023)



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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 17.5 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the first half of 2024).