

Special Issue

Age-Related Macular Degeneration: Challenges and Opportunities

Message from the Guest Editor

Age-related macular degeneration (AMD) is a complex, multifactorial disease characterized by progressive photoreceptor and retinal pigment epithelium degeneration, predominantly affecting individuals over 60 years of age. Genetic and lifestyle factors interact to contribute to its etiology. While recent advancements have yielded biologic therapies inhibiting vascular endothelial growth factor for neovascular AMD and complement activation for geographic atrophy, these treatments are limited by cost, injection-related risks, and suboptimal efficacy. Consequently, there is a need for novel, targeted therapies with improved endpoints that demonstrate both structural and functional benefits. A significant barrier to AMD drug discovery and research is the absence of preclinical models accurately recapitulating the phenotypes and progression of dry AMD. This Special Issue, entitled “Age-Related Macular Degeneration: Challenges and Opportunities”, aims to collate submissions that advance our current understanding of existing gaps in the literature and identify new directions in clinical AMD research. Papers related to the topics mentioned in the Keywords are welcome to be submitted.

Guest Editor

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