

Special Issue

Molecular Mechanisms of Retina Degeneration

Message from the Guest Editor

Retinal degenerative diseases are the leading cause of blindness worldwide. These diseases are associated with immense clinical and genetic heterogeneity, and their manifestation is often influenced by environmental factors. Extensive studies have been performed in various animal models to understand the mechanisms of retinal diseases. However, it has been difficult to effectively translate the results to the clinic. Therefore, the aim of this Special Issue is to understand how the outcomes of the mechanistic and pre-clinical therapeutic studies using different disease modeling platforms can be unified, or at least stratified based on the species, in order to a clearer understanding of the translatability of the studies to humans. We invite researchers and specialists in the field to submit articles on a wide range of retinal degenerative disease fields, focusing in particular on understanding the disease mechanisms and designing therapeutic modalities in the modeling platform of choice. Preference will be given to articles that also include a correlation guide of their outcomes to what is known or observed in the clinic.

Guest Editor

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Deadline for manuscript submissions

closed (20 April 2025)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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*International Journal of
Molecular Sciences*
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Message from the Editor-in-Chief

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