

Special Issue

Genetics and Genomics of Retinal Development and Diseases

Message from the Guest Editor

Retinal development and function are governed by complex genetic and genomic mechanisms, and disruptions to these processes can result in severe visual impairment and blindness. Advances in genetics and genomics have greatly enhanced our understanding of retinal biology, leading to new diagnostic and therapeutic approaches to retinal diseases. Exploring the genetic variants associated with the onset of retinal diseases, developing retinal model systems, identifying essential genes and genetic networks, and applying CRISPR-based genome editing are all crucial in advancing this field. To further our knowledge in this field, we invite experts to contribute research papers and critical reviews that address these key areas.

Guest Editor

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Deadline for manuscript submissions

closed (25 August 2025)

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About the Journal

Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised. Why not consider *Genes* for your next genetics paper?

Editor-in-Chief

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