

Special Issue

Genetics and Pathogenesis of Inherited Eye Diseases

Message from the Guest Editors

The field of genetic eye diseases is advancing, with numerous clinical trials underway and the first retinal gene therapy available for patients as an approved treatment, made possible due to an improved molecular diagnosis and greater understanding in disease mechanisms. With the expansion of these genotypes, we can now begin to establish clearer genotype–phenotype correlations to guide the prognosis and accurate management of patients through a multidisciplinary team approach. Disease models are used to validate novel variants and dissect disease mechanisms, going on to reveal therapeutic targets for pre-clinical testing.

In this Special Issue, we plan to highlight the genetics of inherited eye diseases to build on our knowledge of genotype–phenotype correlations and establish the optimal management pathways for patients. Multiomics approaches in patients and disease models (animals and cellular) are helping to identify new variants, including deep intronic and noncoding regulatory changes, epigenetic and transcriptomic changes that lead to genetic eye diseases

What kind of papers we are soliciting: Original research articles, reviews and cohort studies

Guest Editors

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Deadline for manuscript submissions

closed (10 May 2023)

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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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