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Recent Advances in Inherited Eye Disease

Guest Editors:

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Deadline for manuscript submissions:
closed (31 October 2019)

Message from the Guest Editors

Inherited eye diseases (IED) represent a vast spectrum of blinding genetic disorders affecting all cells and tissue types of the globe. The genetic mechanisms that underlie these diseases are extremely complex and diverse, with hundreds of genes and many thousands of disease variants reported to date. Current diagnostic testing is focused on targeted gene panel analysis. and can identify causative variants in up to 60%–80% of cases where a clear clinical indication is present. However, despite the huge advances in knowledge and technology since the discovery of the first disease variant some 30 years ago, patients without a clear indication are often left without a molecular diagnosis, thus restricting their access to effective clinical management, counselling, and emerging therapeutics.

This Issue aims to advance the knowledge of the genetic etiology of IED and to inform future genomic studies, functional biologists, clinical diagnostic laboratories, and health care providers, and the wider field of Mendelian disease research. To this end, we invite papers reporting on novel findings in the genetics underlying any aspect of Mendelian IED.

GCAT TACG GCAT genes

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Message from the Editor-in-Chief

Genes are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving 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.

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