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Genetics of Retinal and Vitreoretinal Diseases

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Deadline for manuscript submissions:
closed (30 March 2022)

Message from the Guest Editors

Dear Colleagues,

Mendelian retinal diseases occur at a frequency of about 1 in 2,000 individuals. The classification of these diseases includes not only stationary and progressive, syndromic and non-syndromic rod- or cone-dominated diseases but also generalized retinal degenerations and vitreoretinal disorders. The genetic landscape of these diseases provides essential information about the numerous biological and signaling pathways which are involved in disease onset and progression in addition to underlying pathophysiologic mechanisms.

In addition to improvements in genetic testing, therapeutic interventions become increasingly realistic. Currently, five groups of therapeutic approaches to retinal diseases can be defined. The accumulation of our knowledge about genetic diseases of the retina and vitreous will hopefully lead to a more personalized care as well as treatment of an increasing number of patients in the future.

This Special Issue of *Genes* is dedicated to the molecular basis, clinical consequences, and therapeutic developments in Mendelian diseases of the retina and vitreous.

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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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