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Insights into Heritability of Glaucoma and Other Optic Neuropathies

Guest Editor:

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Deadline for manuscript submissions:
closed (5 July 2022)

Message from the Guest Editor

Glaucoma is an insidious group of diseases causing degeneration of the optic nerve and progressive loss of vision. There is only one treatable component of this disease (elevated intraocular pressure), and approximately 30% of patients continue to worsen despite treatment. This suggests that glaucoma—which has a strong genetic component—has additional disease mechanisms that could provide further therapeutic targets once elucidated, such discoveries could also aid in the development of risk models and improved screening efforts

The purpose of this Special Issue is to publish original research papers describing glaucoma heritability, including the genetic, molecular, and functional pathways associated with this disease. We are interested in papers that elucidate the mechanisms associated with disease biology, ranging from basic science discoveries to large-scale genetic analyses. Other topics of interest include the evaluation of disease risk factors, biomarker analyses, and gene risk score models. Papers that investigate glaucoma sub-phenotypes associated with genetic variation, as well as correlations with disease progression and severity, are also encouraged.

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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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