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Research Updates in Hereditary Eye Diseases

Guest Editors:

Dr. Kirk Stephenson

Dr. Sabrina Reinehr

Dr. Laura Whelan

Deadline for manuscript submissions:
closed (30 October 2023)

Message from the Guest Editors

Dear Colleagues,

There are more than 350 hereditary eye diseases, including corneal dystrophies, glaucoma, Leber Congenital Amaurosis, retinitis pigmentosa and retinoblastoma, to name just a few. Although great progress has been made using advanced molecular diagnostic techniques to characterize different genotypes, disease-modifying therapeutic options are slow to progress toward clinical accessibility. Hope for inherited retinal degenerations (IRD) therapeutics, for example, has been rekindled with the success of gene therapy for RPE65-mediated Leber Congenital Amaurosis (Luxturna) and the potential for other gene-specific and broad-access treatments (e.g. neuroprotectants, optogenetics) currently in the clinical trial stage.

In this special issue, we aim to create a platform to describe not just the clinical and genetic characteristics of hereditary eye diseases, but practical strategies to provide timely support to patients/families. We welcome all novel basic science, clinical, and translational research in eye diseases with a focus on facilitating equitable access to diagnostics and treatment.

Dr. Kirk Stephenson
Dr. Sabrina Reinehr
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Message from the Editor-in-Chief

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