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Emerging Gene Therapy Treatments for Inherited Retinal Diseases

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

With over 270 genes known to be involved in inherited retinal diseases (IRDs), translation of treatment strategies into clinical applications has been historically difficult. However, in recent years, there has been significant advances in basic research findings, including the development of several disease models, as well as translational studies focusing on gene therapy approaches, culminating in an increasing number of ongoing gene therapy clinical trials for inherited retinal diseases. The recent approval of Luxtruna® for Leber congenital amaurosis type 2 (LCA2) has established a clinical grounding and the safety of AAV-based gene therapies. However, with the recent advances of several new technologies, such as gene editing, antisense oligonucleotides and non-viral vectors, we need to start thinking about what we want the retinal gene therapy field to look like moving forward. This Special Issue of the *Journal of Personalized Medicine* aims to highlight the current state of the field and highlight some of the latest advances and technologies that are currently being evaluated to treat vision loss in IRDs.

Dr. Livia S Carvalho
Guest Editor

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Message from the Editor-in-Chief

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