Special Issue

Inherited Retinal Diseases: How Can We Move Forward in Understanding and Treating Them

Message from the Guest Editors

The past decades have seen significant developments in inherited retinal diseases (IRD), with the advent of next generation sequencing, as well as innovative therapies. Nevertheless, despite this progress, the genetic defect is still missing in about 30% of non-syndromic IRD, even with comprehensive testing, including classical linkage analyses, positional cloning, candidate gene, and Sanger sequencing approaches or, more recently, targeted next generation sequencing, whole exome (WES), or whole genome sequencing (WGS). In the future, efforts should be made to identify these missing defects, to provide accurate genetic counseling and disease prognosis, and to prepare patients for therapeutic trials, but also to improve our basic understanding of retinal physiology. In this Special Issue, we welcome original research or review articles related to gene identification, functional studies to validate pathogenic mechanisms, and comprehensive phenotype–genotype correlations underlying inherited retina disorders.

Guest Editors

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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