



Next-Generation Sequencing and Proteomics Research for Retinal Diseases

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Message from the Guest Editor

The retina is considered our window to the outside world. It captures, integrates, and processes visual information. The dysfunction or death of retinal photoreceptors is the major cause of vision loss, leading to several retinal diseases including age-related macular degeneration (AMD), glaucoma, and retinitis pigmentosa (RP). In recent years, Next-Generation Sequencing (NGS) and proteomics technologies have enabled various diseases to be characterized at the molecular level to identify new targets and biomarkers to monitor disease progression and treatment efficacy. The analysis of several retinal diseases using NGS and proteomics methods represents a unique opportunity to understand the pathophysiological mechanisms of such diseases and to develop new therapeutic approaches. This *Biomedicines* Special Issue invites contributions dealing with the identification and characterization of new genes and proteins, and recent advances in the discovery and development of methods in NGS, proteomics, and translation, and their clinical application to retinal diseases. This Special Issue also welcomes articles on transcriptomics research on retinal disease.





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Message from the Editor-in-Chief

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