

## Special Issue

# Molecular Pathogenesis and Therapies for Retinal and Optic Nerve Diseases

### Message from the Guest Editor

Most retinal and optic nerve diseases, such as diabetic retinopathy, glaucoma, retinitis pigmentosa, optic neuritis, or optic neuropathy, are sight-threatening diseases that cause vision loss. Neurovascular abnormalities are involved in the pathogenesis of most retinal and optic nerve diseases, and neuronal cell death as well as axon degeneration are irreversible changes that lead directly to vision loss. The establishment of therapeutic approaches, including neuroprotection and regeneration in addition to neurovascular protection, are required to protect the visual function of patients with retinal and optic nerve diseases. This Special Issue focuses on the pathogenesis of and therapeutic approaches for retinal and optic nerve diseases. The areas of this Special Issue are widely covered with basic studies on the molecular level regarding retinal and optic nerve diseases. Hopefully, this Special Issue will be helpful for researchers in their specific fields in scientific manners.

### Guest Editor

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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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