

Special Issue

Pathophysiologic Mechanisms of Eye Diseases and Novel Therapeutic Approaches

Message from the Guest Editor

The eye is a remarkable organ of incredible functional complexity. Each of its structures, including the cornea and ocular surface, trabecular meshwork and sclera, ciliary body, iris and lens, neuroretina, and optic nerve, have their own specialized biology. This Special Issue of IJMS invites articles that provide new insights into the underlying mechanisms of diseases of the eye, as well as work on new diagnostic tools/biomarkers, and novel therapeutic strategies. Diseases include dry eye, pinguecula and pterygium, ocular hypertension, cataract, glaucoma, and retinal degeneration. Both preclinical and clinical studies emphasize the interest in molecular biology approaches and encourage animal models of disease. **Keywords:** eye; ocular surface; cornea; trabecular meshwork; sclera; iris; ciliary body; lens; retina; optic nerve; pathophysiology; therapeutic

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Message from the Editor-in-Chief

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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