



Infectious Ocular Disorders and Molecular Analysis

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Message from the Guest Editors

Dear Colleagues,

Pathogen detection is important in the diagnosis and diagnosis-based treatment of infectious ocular disorders. It is difficult to detect pathogens because of the small amounts of samples obtained from the ocular region. A method to detect pathogens with high sensitivity/specificity and rapidity from a small amount of specimen is required for the diagnosis of ocular infections. Our group developed the first PCR examination system in the ophthalmology field. Our fellows also established a novel multiplex PCR for detecting 24 pathogens responsible for ocular infections. This PCR is anticipated to provide easier etiological evaluation even for general ophthalmologists.

This Special Issue will focus on advances in the field of infectious ocular disorders by molecular analyses, including general PCR, real-time PCR, multiplex PCR, genome analysis, etc. The target disorders are broad ocular infections such as keratitis, ocular surface infectious diseases, corneal endothelitis, uveitis, retinitis, and endophthalmitis. Our aim is for this Special Issue to shed light on multidisciplinary researches that examine infection in the eye using new molecular analyses.





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Message from the Editor-in-Chief

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