

Special Issue

Cellular and Molecular Insights into Ocular Changes Associated with Systemic Disorders and Conditions

Message from the Guest Editors

The relationship between ocular alterations and systemic diseases has recently gained significant attention. The eye offers a unique opportunity for the direct, in vivo observation of the neurosensory and microvascular systems. Numerous systemic diseases have ocular manifestations such as diabetes mellitus, neurodegenerative, psychiatric, cardiovascular, endocrinological, etc. Additionally, pregnancy, various genetic syndromes, as well as certain medications and medical treatments may potentially induce ocular changes. In some cases, the ocular findings may be the initial manifestation of the systemic disease preceding the appearance of systemic symptoms. Given the significance of ocular changes as potential biomarkers for systemic diseases, it is essential for medical specialists and interdisciplinary researchers to comprehend the interrelationships between ocular findings and systemic diseases and conditions.

This Special Issue encompasses research that provides new insights into cellular and molecular mechanisms, focusing on the latest advancements in understanding ocular pathology and its associations with various systemic conditions.

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Deadline for manuscript submissions

closed (20 May 2025)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/183584

*International Journal of
Molecular Sciences*
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