

Special Issue

Genetics and Epigenetics of Eye Diseases

Message from the Guest Editors

Everything lies in genes or rather their expression, which is regulated genetically (transcription factors and other functional and structural proteins) and epigenetically (DNA methylation, histone modifications, non-coding RNAs). Deregulated gene expression is at the very heart of many human pathologies. Most human eye diseases are complex disorders, whose pathogenesis is underlined by an interplay between genetic/epigenetic, environmental, and life-style factors. The aim of this Special Issue is to shed some light on molecular aspects on this interplay. Therefore, all manuscripts, including clinical reports, experimental works and reviews as well as meta-analyses, reporting associations between eye disease phenotype and changes in the genome and epigenome are welcome. Because eye diseases in humans can be hardly studied in the target tissue, reports on experimental modeling of the involvement of genetic/epigenetic factors in their pathogenesis are also welcome.

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Deadline for manuscript submissions

closed (31 August 2022)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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*International Journal of
Molecular Sciences*
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