



Genetics and Epigenetics of Eye Diseases

Guest Editors:

Prof. Dr. Janusz Blasiak

Faculty of Biology and
Environmental Sciences,
Department of Molecular
Genetics, University of Lodz, 90-
136 Lodz, Poland

Prof. Dr. Kai Kaarniranta

Department of Ophthalmology,
University of Eastern Finland,
70211 Kuopio, Finland

Deadline for manuscript
submissions:

closed (31 August 2022)

Message from the Guest Editors

Dear Colleagues,

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.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of
Odontostomatologic and
Specialized Clinical Sciences,
Sez-Biochimica, Faculty of
Medicine, Università Politecnica
delle Marche, Via Ranieri 65,
60100 Ancona, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (*Biochemistry & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI