International Journal of
Molecular Sciences

IMPACT FACTOR 5.6 | Indexed in: PubMed | CITESCORE 7.8

an Open Access Journal by MDPI

Glaucoma: From Pathophysiology to Novel Therapies

Guest Editor:

Dr. Gulab S. Zode
Department of Pharmacology and Neuroscience, North Texas Eye Research Institute - UNTHSC, Fort Worth, TX, USA

Deadline for manuscript submissions:
closed (30 June 2022)

Message from the Guest Editor

Dear Colleagues,

Primary open-angle glaucoma (POAG) is the leading cause of irreversible blindness affecting over 57 million people worldwide. Progressive loss of retinal ganglion cells (RGCs) and degeneration of optic nerve axons constitute the pathological hallmark of glaucoma. Elevated intraocular pressure (IOP) due to dysfunction of trabecular meshwork (TM) is the most significant and the only known modifiable risk factor for glaucoma. Although glaucomatous TM damage is known to be mainly responsible for IOP elevation, which can lead to optic neuropathy and vision loss, none of the current treatments target TM pathology—this is partly due to the lack of understanding of pathological mechanisms of TM damage. In this Special Issue, we invite original manuscripts and review articles that focus on understanding the pathological mechanisms of glaucomatous TM damage and novel therapies targeting these pathologies.

International Journal of
Molecular Sciences

IMPACT FACTOR 5.6 | Indexed in: PubMed | CITESCORE 7.8

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