



Research Advances in Retinal Neurodegeneration and Neuroprotection Strategies

Guest Editors:

Dr. Maccarone Rita

Department of Biotechnological
and Applied Clinical Sciences,
University of L'Aquila, 67100
L'Aquila, Italy

Dr. Darin Zerti

Department of Biotechnological
and Applied Clinical Sciences,
University of L'Aquila, 67100
L'Aquila, Italy

Deadline for manuscript
submissions:

31 December 2024

Message from the Guest Editors

Dear Colleagues,

This Special Issue will provide an update on retinal neurodegenerative diseases and neuroprotective strategies. This topic spans several fields, including physiology, neuroscience, pathology, and pharmacology. The main retinal neurodegenerative diseases caused by harmful environmental stimuli or genetic mutations include Age-Related Macular Degeneration, Glaucoma, Leber's Congenital Amaurosis, Retinitis Pigmentosa, Retinoschisis, Stargardt's Disease, and Usher Syndrome. To date, many molecular and physiological mechanisms linked to retinal disorders and vision loss have been identified. Despite the vast scientific literature available, further studies are necessary to increase our knowledge of still unknown mechanisms related to different pathologies. Furthermore, since the retina is part of the central nervous system, the identification of early biomarkers of other neurodegenerative disorders in the retina could be beneficial.

We encourage authors to submit original research articles, reviews, or short communications documenting *in vitro* and *in vivo* preclinical studies.

Dr. Maccarone Rita
Dr. Darin Zerti
Guest Editors





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 and Molecular Biology) / CiteScore - Q1 (Inorganic Chemistry)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

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