



## Retinal Neurodegenerative Diseases: Molecular Targets Driving Neuroinflammation and Neuroprotection

Guest Editors:

**Dr. Ana Raquel Santiago**

Coimbra Institute for Clinical and Biomedical Research (iCBR), Faculty of Medicine, University of Coimbra, Coimbra, Portugal

**Dr. Raquel Boia**

Coimbra Institute for Clinical and Biomedical Research (iCBR), Faculty of Medicine, University of Coimbra, Coimbra, Portugal

Deadline for manuscript submissions:

**closed (30 November 2021)**

### Message from the Guest Editors

Retinal neurodegenerative diseases are among the major causes of blindness worldwide. Glaucoma, diabetic retinopathy, and age-related macular degeneration (AMD) are chronic diseases affecting more than 150 million people worldwide. Despite their different etiologies, chronic neuroinflammation is a common feature that correlates with neurodegeneration. Several cells, like microglia, astrocytes, and immune cells from the periphery and endothelial cells, orchestrate an inflammatory response that drive neurodegeneration. The inflammatory signals occur early and precede neurodegeneration, suggesting that strategies targeting the control of inflammation could provide therapeutic benefits for the treatment of retinal diseases. Several molecular targets and strategies have been proposed to afford protection to the retina, either by acting directly on the affected cells or by controlling inflammation.





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