

Special Issue

Molecular Advances in Retinal Diseases

Message from the Guest Editor

Loss of vision due to retinal degeneration can have monogenic or multifactorial causes. There is an urgent search for cures, treatments and prevention for children, as well as adults affected by retinitis pigmentosa, age-related macular degeneration, Usher syndrome and other retinal degenerative diseases. The retina is well-accessible through image-guided surgical intervention, including gene therapy and the transplantation of retinal cells.

This Special Issue of the International Journal of Molecular Sciences will focus on recent insights into “Molecular Advances in Retinal Diseases”, including hereditary disease, human and animal retinal pathology due to gene mutations, retinal inflammation, retinal gene therapy, hiPSC-derived neural retinal organoids and RPE, natural history studies on patients, pre-clinical and clinical gene therapy, animal models for hereditary retinal dystrophy, retinal imaging and scRNAseq. All submissions dealing with these topics are welcome. According to the Aims and Scope of IJMS, each manuscript must include basic studies in biochemistry, molecular biology or molecular medicine.

Guest Editor

Dr. Jan Wijnholds

Department of Ophthalmology, Leiden University Medical Center (LUMC), Albinusdreef 2, 2333 ZA Leiden, The Netherlands

Deadline for manuscript submissions

closed (30 July 2024)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/176998

*International Journal of
Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)



About the Journal

Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* 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, and molecular biophysics. *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.

Editor-in-Chief

Prof. Dr. José L. Quiles
Department of Physiology, Institute of Nutrition and Food Technology
"Jose Mataix", Biomedical Research Center, University of Granada,
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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, CAPus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)