



## Molecular Advances in Retinal Diseases

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)**

### Message from the Guest Editor

Dear Colleagues,

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.

Dr. Jan Wijnholds  
Guest Editor





an Open Access Journal by MDPI

## 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

## 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.

## 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 (Organic 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