

## Special Issue

# The Molecular and Cellular Basis of Eye Diseases: Cataract, PCO and ERM Formation

### Message from the Guest Editor

The innovative integration of multiple complementary state-of-the-art approaches is necessary to address the molecular and cellular basis of eye diseases, here with an emphasis on cataract, posterior capsule opacification (PCO), as well as epiretinal membrane (ERM) formation, in order to improve our understanding of them and discover potential new therapeutic methods to treat or prevent them. This is important as they are a significant cause of blindness in the world. The topics of interest are the functional and structural studies on animal models, human tissue, and cell cultures, as well as cell signaling, intercellular communication, calcium homeostasis, and macromolecular cell component studies, but the topics are not limited to that. Translational research that combines basic research with clinical reality is welcomed. Pure clinical studies will not be suitable for this Special Issue. For this Special Issue, original studies and reviews are welcomed.

---

### Guest Editor

Dr. Sofija Andjelic

Eye Hospital, University Medical Centre, 1000 Ljubljana, Slovenia

---

### Deadline for manuscript submissions

closed (31 August 2023)



## International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/si/128573](https://mdpi.com/si/128573)

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

---

### 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

---

### 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)