



## Molecular Biology of Age-Related Macular Degeneration (AMD)

Guest Editors:

**Prof. Dr. Janusz Blasiak**

Faculty of Biology and  
Environmental Sciences,  
Department of Molecular  
Genetics, University of Lodz, 90-  
136 Lodz, Poland

**Prof. Dr. Kai Kaarniranta**

Department of Ophthalmology,  
Kuopio University Hospital, 70211  
Kuopio, Finland

### Message from the Guest Editors

Age-related macular degeneration (AMD) is an important element of the global issue of vision loss. AMD is a complex disease that associates with aging and several genetic and environmental risk factors. Cellular reaction to oxidative stress, senescence, autophagy, inflammatory response, and DNA damage reaction are frequently reported to be impaired in AMD, but causative relationships between AMD and these effects are not completely clear. Therefore, studies on the molecular mechanisms of AMD pathogenesis are justified and can bring results important regarding its biology and therapy.

Deadline for manuscript  
submissions:

**closed (15 October 2018)**





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 (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