



## The Role of Matrix Metalloproteinases in Ocular Pathologies

Guest Editors:

### Dr. Arantxa Acera

Ikerbasque, Department of Cell  
Biology and Histology,  
Experimental Ophthalmology  
Biology Group, University of the  
Basque Country UPV/EHU, 48940  
Leioa, Spain

### Dr. Elisa Julião Campos

Department of Ophthalmology,  
Coimbra University, 3000-548  
Coimbra, Portugal

Deadline for manuscript  
submissions:

**closed (31 July 2023)**

### Message from the Guest Editors

Dear Colleagues,

Matrix metalloproteinases (MMPs) are a family of more than twenty Zn<sup>2+</sup>-dependent endopeptidases. Their combined activity is capable of degrading almost all the components of the extracellular matrix (ECM), which points to their essential role in physiological processes that require matrix remodelling, such as embryonic development, the endometrial cycle, tissue repair or angiogenesis. Similarly, MMPs are also involved in pathological processes in which excessive degradation of the matrix occurs, such as arthritis, cancer, cardiovascular and neurological diseases.

I am pleased to invite you to contribute to this Special Issue of *Biology* entitled: “The Role of Matrix Metalloproteinases in Ocular Pathologies”. In this Special Issue, original research articles and reviews are welcome.

This Special Issue summarizes current knowledge regarding these proteins, their participation in physiological and pathophysiological roles, their involvement in activation and inhibition, and their interactions with other proteins.

I look forward to receiving your contributions.

Dr. Arantxa Acera

Dr. Elisa Julião Campos

*Guest Editors*





an Open Access Journal by MDPI

## Editors-in-Chief

### Prof. Dr. Jukka Finne

Research Programme in  
Molecular and Integrative  
Biosciences, Faculty of Biological  
and Environmental Sciences,  
University of Helsinki, P.O. Box  
56, FI-00014 Helsinki, Finland

### Prof. Dr. Andrés Moya

Integrative Systems Biology  
Institute, University of Valencia  
and CSIC, 46980 Valencia, Spain

## Message from the Editorial Board

A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

## 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, PubAg, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q1 (Biology) / CiteScore - Q1 (General Agricultural and Biological Sciences)

## Contact Us

---

Biology Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/biology](http://mdpi.com/journal/biology)  
[biology@mdpi.com](mailto:biology@mdpi.com)  
[X@Biology\\_MDPI](https://twitter.com/Biology_MDPI)