



## **A Disintegrin and Metalloproteases (ADAMs): Activation, Regulation and Mechanisms of Catalysis**

Guest Editor:

**Dr. Thorsten Maretzky**

1. Inflammation Program, Roy J. and Lucille A. Carver College of Medicine University of Iowa, Iowa City, IA 52242, USA
2. Department of Internal Medicine, Roy J. and Lucille A. Carver College of Medicine University of Iowa, Iowa City, IA 52242, USA
3. Holden Comprehensive Cancer Center, University of Iowa, Iowa City, IA 52242, USA

### **Message from the Guest Editor**

The aim of this Special Issue of *IJMS* is to provide *novel insights* into the physiological and pathological functions of these membrane-anchored molecular *scissors*. To this end, we welcome experts in the field to contribute research articles and critical reviews on molecular mechanisms involved in the regulation of these fascinating enzymes, such as how they target their substrates, how they are activated, and their functions in development and disease, with special attention paid to their potential as therapeutic targets in areas such as inflammatory and metabolic disorders, cancer, and autoimmune diseases.

Deadline for manuscript  
submissions:

**closed (15 March 2021)**





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 & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

## Contact Us

*International Journal of Molecular  
Sciences* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/ijms  
ijms@mdpi.com  
X@IJMS\_MDPI