



## The Roles of Deubiquitylating Enzymes (DUBs) in Cancer Inflammation

Guest Editor:

**Dr. Adán Pinto Fernández**

Target Discovery Institute, Centre  
for Medicines Discovery, Nuffield  
Department of Medicine,  
University of Oxford, Oxford OX3  
7FZ, UK

Deadline for manuscript  
submissions:

**30 August 2024**

### Message from the Guest Editor

Dear Colleagues,

Deubiquitylating enzymes (DUBs) play a pivotal role in cellular processes by cleaving ubiquitin from modified proteins. The ubiquitin system intricately regulates various cellular functions and has been implicated in numerous diseases, notably cancer. Recent insights highlight the significant involvement of DUBs in orchestrating key aspects of immune surveillance against tumors. Excitingly, the druggability of DUBs with small molecules positions them as promising therapeutic targets.

This Special Issue invites authors to contribute studies that unveil novel roles of DUBs in cellular processes intertwined with cancer inflammation. Topics of interest include the impact of DUBs on antigen presentation machinery, cytokine production, the modulation of innate immunity, immune cell function, and the regulation of immune checkpoint inhibitors. By exploring these aspects, we aim to deepen our understanding of the dynamic interplay between DUBs and cancer-related immune responses, fostering the development of innovative therapeutic strategies.

Dr. Adán Pinto Fernández

*Guest Editor*





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