



## Recent Advances in Intermediate Filaments

Guest Editor:

**Dr. Jose Maria Gonzalez-Granado**

LamImSys Lab. Instituto de  
Investigación Hospital 12 de  
Octubre (imas12), Madrid, Spain

Deadline for manuscript  
submissions:

**closed (31 May 2021)**

### Message from the Guest Editor

Intermediate filaments (IFs) are responsible for the critical structural integrity of cells and tissues and regulate several important cellular processes including cell migration and adhesion, apoptosis, proliferation, differentiation, autophagy, signaling, gene expression, vesicle trafficking, mitochondrial function, and cell fate determination. Mutation in IF genes results in a wide range of human diseases; these filaments play important roles in the context of cancer, inflammation and other immune diseases, muscular syndromes, progeria, lipodystrophies, and digestive diseases. In this Special Issue, we invite investigators to submit original research or review articles on the many facets of intermediate filament and on recent insights in this field. Topics include but are not limited to the following:

IF and mechanobiology; IF modifications and regulation; IF in nuclear function; IF in signaling; IF in digestive biology and diseases; IF in immunology and inflammation; IF in cancer; IF in laminopathies; IF in muscular diseases





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