



## Molecular Research Based on Flow Cytometry

Guest Editors:

### Dr. Paola Lanuti

Department of Medicine and Aging Science, University "G. d'Annunzio" of Chieti-Pescara, Via dei Vestini, 31, 66100 Chieti, Italy

### Dr. Pasquale Simeone

Center for Advanced Studies and Technology (CAST), Laboratory of Cytomorphology, Department of Medicine and Aging Sciences, University "G. 'Annunzio" - Chieti, Via Luigi Polacchi 11-13, 66100 Chieti Scalo, Italy

Deadline for manuscript submissions:  
**closed (31 March 2023)**

### Message from the Guest Editors

Flow cytometry is an emerging technique, characterized by the possibility of analyzing a panel of antigens and/or cell functions at a single-cell level. Flow cytometry has been also identified as a highly powerful technology to investigate the ability of cells to communicate via extracellular vesicles.

Recently, advancements in related disciplines (i.e., multispectral technology, enhanced instrument performance) have increased its polychromatic potential, making it theoretically possible to analyze more than 30 parameters at the same time.

This Special Issue aims to underline the possibility of using flow cytometry in “from bench to bed” applications. In detail, it will focus on basic research flow cytometry findings, as well as on the possibility of translating new protocols, with attention paid to the immunology and hematology fields.

Reviews and original papers based on different flow cytometry applications will be considered for publication in this Special Issue. For original articles, we encourage in-depth molecular research.





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 (Inorganic 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