



## Pharmacogenomics 2.0

Guest Editor:

**Prof. Dr. Ramón Cacabelos**

Eurospes Biomedical Research  
Center, International Center of  
Neuroscience and Genomic  
Medicine, 15165 Corunna, Spain

Deadline for manuscript  
submissions:

**closed (31 December 2022)**

### Message from the Guest Editor

It is a great pleasure for me to accept the kind invitation of the *International Journal of Molecular Sciences* to serve as Guest Editor of a Special Issue on “Pharmacogenomics”. I think that this is a timely initiative which will be of interest to most medical disciplines. Cardiovascular disorders (25%–30%), cancer (20%–25%) and brain disorders (10%–15%) represent over 60%–70% of morbidity and mortality in developed countries. Approximately 10%–20% of direct costs for disease management are attributed to pharmacological treatment, and, unfortunately, it is estimated that drug efficacy is restricted to 20%–30% of the cases treated with a particular drug in almost any medical specialty. Many different factors influence drug efficacy and safety, including the chemical properties of a drug, route of administration, disease stage, nutrition, compliance, drug–drug interactions, and pharmacogenomics.

In the coming years, the onset of a revolutionary transformation of protocols and strategies for drug development is expected. Pharmacogenomics is one of the doors through which to enter the complex building of personalized medicine.





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