



## ABC Transporters in Human Diseases

Guest Editor:

**Dr. Thomas Falguières**

French Institute of Health and  
Medical Research, Inserm, Paris-  
Saclay University, Faculty of  
Science, Rue des Adèles,  
Bâtiment 440, Orsay, France

Deadline for manuscript  
submissions:

**closed (28 February 2021)**

### Message from the Guest Editor

Dear colleagues,

The aim of this Special Issue, “ABC Transporters in Human Diseases”, is to present, through original articles, reviews, and commentaries, the state-of-the-art of our current knowledge about the role of ABC transporters in human diseases and the proposed therapeutical options based on studies ranging from cell and animal models to patients. Topics may include, but are not limited to:

- Phylogeny of ABC transporters and conservation through species
- ABC transporters and multidrug resistance in cancer
- Defective ABC transporters and human diseases
- Regulation of the function of ABC transporters involved in multidrug resistance
- Targeted therapies to rescue the function of defective ABC transporters
- Cell and animal models for studying ABC transporters in health and disease
- Structural insights into the molecular mechanisms of ABC-related diseases and the interaction of drug candidates with ABC transporters
- Perspectives for diseases related with ABC transporter defects





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