



## Cells and Materials for Disease Modeling and Regenerative Medicine

Guest Editors:

**Dr. Ander Abarrategi**

CICbiomaGUNE

**Dr. Senentxu Lanceros-Mendez**

BCMaterials, Basque Center for  
Materials, Applications and  
Nanostructures, UPV/EHU  
Science Park, 48940 Leioa, Spain

Deadline for manuscript  
submissions:

**closed (30 July 2020)**

### Message from the Guest Editors

Materials science and engineering are continuously developing tools that are potentially useful in biological and biomedical applications. Interestingly, concepts related to molecular and cellular biology are now being used to yield approaches with biological rationale, biocompatible and/or bioactive, and useful for novel in vitro testing strategies and in vivo regenerative advanced therapies (gene therapy, cell therapy, and tissue engineering).

This Special Issue of *IJMS* will compile original scientific experimental articles and comprehensive reviews focused on using “Cells and Materials for Disease Modeling and Regenerative Medicine” purposes. It will cover in vitro and in vivo strategies based on cell-material interactions, targeting any tissue and aiming to respond to any physiological and/or pathological question relevant to the field.





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, CAPus / 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