



## Advances in Cell Transplantation 2019

Guest Editor:

**Dr. Maurizio Muraca**

Department of Women's and  
Children's Health, University of  
Padova, Via Giustiniani, 3, 35128  
Padova, Italy

Deadline for manuscript  
submissions:

**closed (30 June 2019)**

### Message from the Guest Editor

Dear Colleagues,

Cell Transplantation has emerged as a promising field, based on progress in cell and molecular biology, allowing isolation, characterization, expansion, and engineering of cells as potential therapeutic tools. The field of Cell Transplantation is now entering a new phase of growth, propelled by better understanding of the therapeutic mechanisms of action, novel applications in oncology as well as by upgraded technology for cell isolation, expansion and delivery under GMP conditions. Recent advances in gene therapy also open the fascinating possibility to cure genetic diseases by cell replacement with genetically corrected autologous precursor cells.

This Special Issue will cover the whole pathway, translating scientific advances into therapeutic interventions, including in vitro and in vivo studies on mechanisms of action, animal models of target diseases, GMP production, and clinical trials. Contributions covering the links between cell therapy and gene therapy are particularly welcome.

Assoc. Prof. Dr. Maurizio Muraca  
*Guest Editor*





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