

## Special Issue

# Polymer Biomaterials for Immune System Modulation

### Message from the Guest Editors

This Special Issue will welcome contributions ranging from materials design and processing (synthesis, functionalization, size control, microfluidics), through in vitro studies (new in vitro models, multicellular, 3D, microfluidics), to in vivo administration (pharmacokinetics, therapeutic outcomes), and will specifically focus on the immunological issues that accompany the use of (nano)materials and how the latter can influence them. This will include, but will not be limited to, studies aiming at dendritic cell targeting and vaccine development, topical and systemic anti-inflammatory therapies, cancer immunity applications, wound healing and angiogenetic processes. Keywords

- Polymers
- Nanoparticles
- Microparticles
- Matrices
- Precision medicine
- Regenerative medicine
- Drug delivery
- Immune system
- Inflammation
- Drug conjugates

---

### Guest Editors

Dr. Giuseppe Bardi

Nanobiointeractions & Nanodiagnostics, Istituto Italiano di Tecnologia, Via Morego 30, 16163 Genova, Italy

Prof. Nicola Tirelli

Istituto Italiano di Tecnologia, Genoa, Italy

---

### Deadline for manuscript submissions

closed (31 December 2019)



## International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/si/19075](https://mdpi.com/si/19075)

*International Journal of  
Molecular Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[ijms@mdpi.com](mailto:ijms@mdpi.com)

[mdpi.com/journal/  
ijms](https://mdpi.com/journal/ijms)





# International Journal of Molecular Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.9  
CiteScore 9.0  
Indexed in PubMed



[mdpi.com/journal/  
ijms](https://mdpi.com/journal/ijms)



## About the Journal

### Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* 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, and molecular biophysics. *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.

---

### Editor-in-Chief

Prof. Dr. José L. Quiles  
Department of Physiology, Institute of Nutrition and Food Technology  
"Jose Mataix", Biomedical Research Center, University of Granada,  
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

---

### 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 (Organic Chemistry)