

Special Issue

Cell-Biomaterial Interaction

Message from the Guest Editors

Efforts have been made in designing advanced biofunctional systems by combining cells (e.g., stem cells, differentiated cells, induce pluripotent stem cells) and biomaterials. It is well-known that cells recognize and interact with biomaterials in different forms (e.g., nanoparticles, 3D scaffold, coating, film), through a plethora of plasma membrane proteins that activate a signal cascade, steering cells toward a selected behavior. This Special Issue focuses on several aspects of the cell/biomaterial interaction, and we invite contributions of reviews and/or original papers reporting recent efforts in the field of biomaterials applications.

Keywords:

- cell-material interaction
- biomaterials
- regenerative medicine
- stem cells
- cell therapy
- nanomedicine
- cell fate
- nanoparticles
- 3D scaffold
- biofunctionalization

Guest Editors

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closed (20 September 2018)



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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.

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