

## Special Issue

# Cell-Material Interaction 2022

### Message from the Guest Editors

There is great interest in generating materials guiding cellular behavior in fundamental studies as well as biomedical applications including regenerative medicine. Other than the molecular structure, mechanical properties, degradation behavior, stimulus-sensitivity, specific molecular interactions, and the 3D form of materials (e.g., nanoparticles, 3D scaffold, coating, film) is known to have a major influence in this respect. Furthermore, efforts have been made to design advanced biofunctional systems by combining biomaterials with cells (e.g., stem cells, differentiated cells, induced pluripotent stem cells) or drugs. In addition, cellular and protein adsorption to materials may change the material's biological effect. This Special Issue focuses on several aspects of 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
- regenerative medicine
- cell fate
- nanoparticles
- 3D scaffold
- biofunctionalization

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### Deadline for manuscript submissions

closed (30 September 2022)



## International Journal of Molecular Sciences

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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.

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