

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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