



## Cell-Biomaterial Interaction 2019

Guest Editors:

**Dr. Anna Tampieri**

National Research Council,  
Institute of Science and  
Technology for Ceramics, Roma,  
Italy

[anna.tampieri@istec.cnr.it](mailto:anna.tampieri@istec.cnr.it)

**Dr. Silvia Panseri**

National Research Council,  
Institute of Science and  
Technology for Ceramics, Roma,  
Italy

[silvia.panseri@istec.cnr.it](mailto:silvia.panseri@istec.cnr.it)

**Dr. Monica Montesi**

National Research Council,  
Institute of Science and  
Technology for Ceramics, Roma,  
Italy

[monica.montesi@istec.cnr.it](mailto:monica.montesi@istec.cnr.it)

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### Message from the Guest Editors

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. Therefore, developing innovative biomaterials with peculiar physico-chemical properties, focusing on specific architectures/porosity is instrumental to tune cell fate. Moreover, a specific biodecoration of a material with biomolecules/drugs could further enhance the bioactivity of a material itself, reflecting on an improved cellular response. 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
- regenerative medicine
- cell fate
- nanoparticles
- 3D scaffold
- biofunctionalization



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*International Journal of Molecular  
Sciences*  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

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