

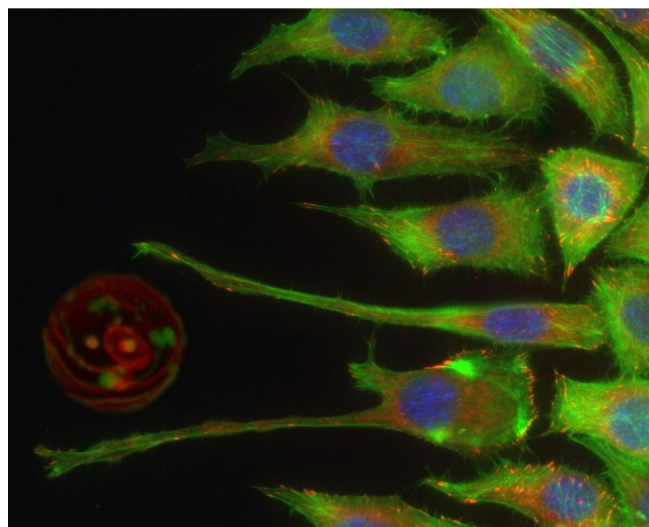
## Biointerphases Call for Research Articles

### In Focus Issue on Biointerface Dynamics

In applications ranging from precision medicine to biotechnology and bioengineering, the future depends on systems that interact with the biological environment in a specific manner at the molecular and cellular level, triggering well-defined signaling pathways and responses. In view of the complexity and dynamic nature of biological processes, artificial interfaces themselves have to become dynamic and adaptive to external stimuli. Achieving this goal entails research into their dynamics.

For this In Focus issue of *Biointerphases*, we invite technical papers and reviews on the dynamics of interfaces on bio- and bio/non-bio interfaces. Topics include:

- Cell membranes
- Cell-matrix and cell-cell interactions
- Bioengineering and biomimetic approaches to interactions between biological and artificial systems at the level of molecules and cells
- Understanding biomaterial interfaces
- Dynamic interfaces and the effect on stem cell behavior
- Implant interface design and implant integration strategies
- Dynamic interfaces in regenerative medicine
- New techniques and approaches to studying the dynamics of biological and bio/non-bio interfaces
- Translational studies in these areas



#### Manuscript

#### Deadline:

September 1, 2017

#### Manuscript Details

#### & Submission:

[www.biointerphases.org](http://www.biointerphases.org)

#### Guest Editors:

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This In Focus issue is open to all submissions. The topic was conceived with the FEBS 2017 Biological Surfaces and Interfaces workshop taking place in Sant Feliu de Guixols, Spain, and conference presenters are welcome to submit manuscripts. All manuscripts will appear in Volume 13 (2018), Issue 1 of *Biointerphases*, though manuscripts will be published online promptly after review and acceptance.