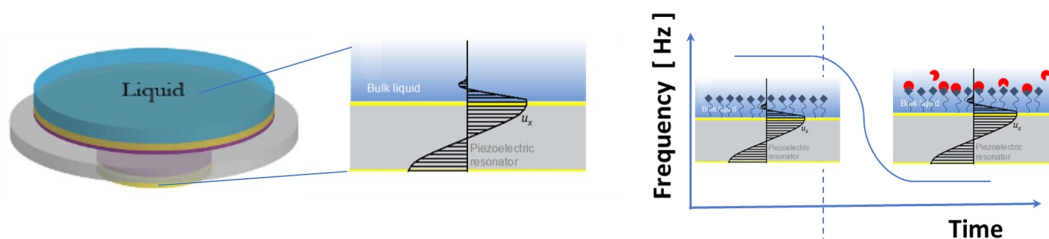


Biointerphases Call for Research Articles

Special Topic Collection: Quartz Crystal Microbalance in Biological Surface Science and Soft Matter

Biointerphases is soliciting research articles, reviews, and tutorials for publication in a Special Topic Collection dedicated to recent advances and insights in the area of soft matter and biological interfaces studied with bulk- and surface acoustic resonators (QCM, SAW, etc). The Biomaterial Interfaces Division of AVS has a rich and interesting history in the field, with many new and exciting QCMD results presented at its sessions.



Manuscript

Deadline:

December 16, 2019

Manuscript

Details &

Submission:

www.biointerphases.org

Guest Editor:

Ilya Reviakine
Advanced Wave
Sensors S.L., Spain
University of
Washington, USA

Image credit:

Stefan Zauscher

Technical developments, data analysis approaches, and applications are welcome in this Collection. Topics include bulk- and surface acoustic wave devices (QCMD and SAW) in biological- and soft interface research, from molecules to cells:

- New instrumental developments, experimental methods, and data analysis approaches;
- Critical and historical reviews;
- Applications in polymers and other coatings, including anti-fouling; surface degradation; bio-films; bio- and hemocompatibility studies;
- Studies of molecules at interfaces, conformational changes, bio and immunosensing, etc.;
- Cells at interfaces, cell adhesion, etc.;
- Surface functionalization approaches for QCM and SAW sensing devices, etc.

All submissions will undergo rigorous peer-review. Manuscripts will be published and added to the Special Topic Collection promptly after review and acceptance.