

## Special Issue

# Development of Microfluidic Technologies That Enable Advanced Mass Spectrometry Detection

### Message from the Guest Editor

Recent years have witnessed significant progress in the development of instrumentation for the characterization of biological samples. Microfluidics and mass spectrometry have evolved independently to address needs of throughput, complexity, omics-level analysis, and single-cell explorations. Process integration and multiplexing have brought unique benefits to advancing the use of microfluidic devices in basic biology research, biomarker discovery, or point-of-care diagnostics. On the other hand, mass spectrometry detection has enabled a detailed and accurate characterization of the molecular components of a cell, providing unprecedented insights into the biochemistry of cellular processes. To facilitate the merger of these two powerful technologies and advance biological research, this Special Issue of *Micromachines* is aimed at capturing the most recent developments in the field of microfluidics that focus on the analysis of biological samples by capitalizing on the power of mass spectrometry detection. Original research papers and reviews are all encouraged for submission.

### Guest Editor

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### Deadline for manuscript submissions

closed (15 April 2021)



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Impact Factor 3.0  
CiteScore 6.0  
Indexed in PubMed



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### Message from the Editor-in-Chief

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