



## Mass Spectrometry in Molecular Biology

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### Message from the Guest Editor

Modern applications of mass spectrometry techniques in molecular and structural biology rely on the ability to vaporize and ionize macromolecules, which was made possible with the advent of electrospray ionization coupled to liquid chromatography or matrix-assisted laser desorption/ionization coupled to high-resolution mass spectrometers. Quantitative studies of individual macromolecules and their function in cells grown in different media were made possible by isotope-coded affinity tags technology. With the ever-growing volume of biological molecules' mass spectra data, our ability to identify them in complex mixtures relies on the continuous development of efficient algorithms to search, rank, and interpret entries in online databases. This Special Issue on "Mass Spectrometry in Molecular Biology" invites original research and reviews on all aspects of development, verification, and maturation of sample preparation protocols, measurement techniques, and supporting computational and theoretical methods to interpret the structural and functional properties of biomolecules.





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## Message from the Editor-in-Chief

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