

## Special Issue

# Application of Atomic Force Microscopy in Molecular and Cell Biology

### Message from the Guest Editor

Atomic force microscopy has been robustly used in life science for various purposes, such as nanoimaging of biological samples, measurement of molecular binding affinities, and dynamic biomolecular events. The advent of high-speed atomic force microscopy (HS-AFM) has provided a significant solution for scientists to visualize the dynamic behaviors of biomolecules and organelles in a real-time manner with high spatiotemporal resolution. The application of HS-AFM is versatile; not only can it help to answer basic scientific questions, but it is also applicable to studying potential therapeutics that could inhibit target protein activities in certain diseases. In this Special Issue, we invite you to contribute original research articles and reviews on all aspects related to the theme of the “Application of Atomic Force Microscopy in Molecular and Cell Biology”. We especially hope to highlight novel findings in the biophysical properties of biomolecules/organelles and interaction between biomolecules and biomolecule–organelles.

### Guest Editor

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### Deadline for manuscript submissions

closed (20 April 2025)



## International Journal of Molecular Sciences

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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