

Special Issue

Applications of Advanced Imaging and Analytical Microscopic Techniques on Molecular and Cell Biology

Message from the Guest Editor

Various imaging techniques have long provided researchers with specific and quantitative information about molecules and cells through a wide variety of imaging modalities, from conventional microscopic and nonmicroscopic techniques to advanced and super-resolution level techniques. Today, the development and improvement of such imaging techniques allow for the establishment of next-generation biological and biomedical techniques. Moreover, the synthesis of established imaging techniques combined with analytical techniques provides new insight into various fields of life science. This Special Issue aims to serve as a guideline of various imaging and analytical methods of cells and provide a wide range of their applications.

Research on applications is expected to target specific biological and biophysical questions, which include quantification and functional analyses of the molecular and cellular states in fixed and live cells. Moreover, the content of the Special issue covers reports uncovering the molecular mechanisms underpinning biological processes encompassing various disciplines of biology and medicine.

Guest Editor

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Message from the Editor-in-Chief

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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