

Special Issue

Technology Advance and Application of Cryo-Electron Microscopy in Molecular Biology and Biomedicine

Message from the Guest Editors

This Special Issue will focus on all aspects of technological advancement and the application of cryo-EM, including in situ cryo-electron tomography (cryo-ET), in molecular biology and biomedicine. We particularly welcome high-quality original studies with respect to experimental methods for cryo-EM/ET sample preparation and imaging, computational and machine-learning tools for analyzing heterogeneous cryo-EM/ET data, cryo-EM/ET analysis of structural dynamics of important molecular machines using novel strategies and approaches, and particularly the application and development of cryo-EM/ET to structure-based drug discovery and pharmacological applications, as well as the integration or hybridization of cryo-EM/ET with complementary approaches. Both high-quality original research articles and cutting-edge focused reviews summarizing important advances in the field are welcome for submission. Authors are encouraged to take advantage of the great flexibility of the article format with unlimited length, and to use this Special Issue as a permanent digital forum to document their unique scholarly opinions and novel concepts.

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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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